



PEGASUS USER'S GUIDE

GPS /GPRS SOLUTION FOR YOUR FLEET

Table of Contents

00	Contents	Pages
01	General Information	05
02	Login	05
03	Main Graphical user interface	06
04	Device Panel	08
	A Show Unit	08
	B Unit Name	08
	C Keep Unit in View	08
	D Motion States	08
	E GPS Locking	09
	F Position Detection	09
	G Communication Mode	09
	H Feature Set	09
05	Information Grid	10
	A Status Bar	11
06	Search Devices	12
07	Action	13
	A Communicate to Device	13
	B Add Device	18
	C View Details	20
	D Edit Device	21
	E Delete Devices	21
	F Device History	22
	G Device Report	22
	H Device Zones	23
	I Update Locating	23
	J Client Correspondence	23
	K Device Maintenance	24

	L	Command History	25
	M	Show Group	25
08		Administration	26
	A	Accounts	26
	B	Users	27
	C	Roles	30
	D	Change Password	31
	E	Manage AMF	31
	F	Sub Account Access	32
	G	Log back to Master	32
	H	User Settings	32
	I	Complaint	33
	J	Uninstall Device	33
09		Tools	34
	A	Device Profiles	34
	B	Attach Driver	36
	C	Camera Gallery	36
	D	Faults Management	37
	E	Medical Rescues	38
	F	Fuel Entries	39
10		Zones	40
	A	Geo Zones	40
	B	Routes	41
	C	POIs	41
	D	Find Nearest Vehicles	42
11		Reports	43
	A	Vehicle History	44
	B	Trip Report	45
	C	Idle Time Report	46
	D	Mileage Report	47
	E	Driving safety Reports	48
	F	Vehicle Maintenance	49
	G	Driver Vehicle Report	50
	H	Device Status	50
	I	Home Visit Report	51

J	POI Reports (3)	52
K	POI Routes	53
L	Fuel Type Report	54
M	Trip Fuel Report	57
N	Gen Set Reports	58
O	Alerts Reports	59
P	Alert Ack Report	59
Q	Action Log Report	60
Q	AMF Report	60
S	NR/Unlocked Devices	60
T	SIM Report	61
U	Attribute Report	62
V	Device Maintenance	63
W	Geo Fence Report	64
X	Temperature Reports (2)	65
Y	Trip Exception Report	67
Z	Shipments Report	68
AA	Vehicles Report	69
AB	Ignition ON/OFF Report	69
AC	Notification Report	71
AD	Daily Summary Report	72
12	Excel Reports	73
A	Trip Report	73
B	Dashboard Report	74
C	Fuel Report	75
D	Report Emailing	77
E	Report Scheduling	77
F	Scheduled Reports	78
13	Vehicles	79
A	Add/Edit Vehicle	79
B	Vehicle Maintenance	80
C	Vehicle Incident	81
D	Drivers	82
E	Shipments	83
F	Show Tracks	84

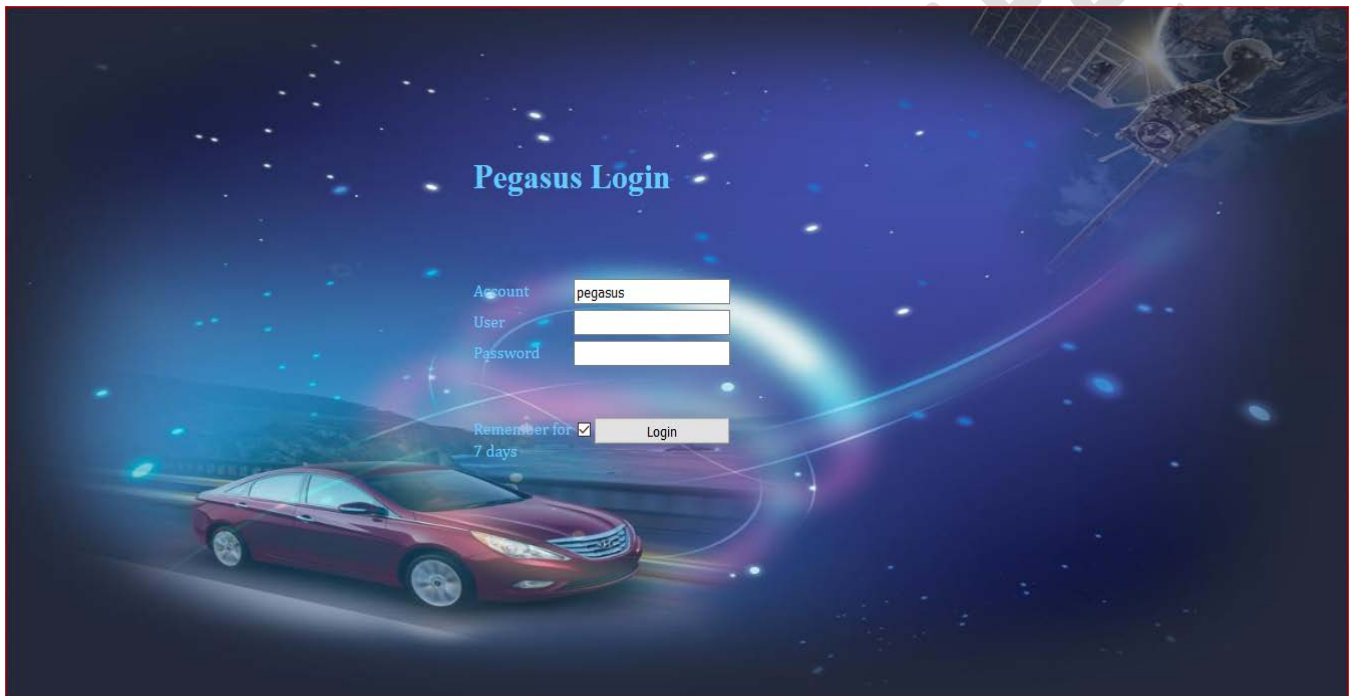
14	Communication	85
	A Comms Log	85
	B Alerts Log	86
	C Message Log	87
	D Installations Log	88
	E Group Command	89
	F NR Devices	89
15	Groups	90
	A Main Groups	90
	B Sub Groups	90
16	Customers	92
	A Customer Detail	92
17	Notifications	93
	A Manage Notifications	93
	B Notification types	96
18	SIMs	102
	A SIMs Management	102
19	Logout	

General Introduction

This user manual will walk you through initial login and the various capabilities of the Pegasus system, including Device Initialization, Profile Creation, Mapping, Device Communication and Reporting capabilities. The intention of this user manual is to be a step-by-step guide, showing how each of the various features and capabilities of the software are accessed and exercised in order to learn how it can be of benefit to you and your business. You can follow along with the Pegasus Site at <http://pegasus.naxertech.com/MainPage.aspx> with the given login information.

Login

The Pegasus login is at URL <http://pegasus.naxertech.com/MainPage.aspx>. The user login option is also available at our official website www.naxertech.com. By using these options, you will be presented with a Login window as shown below:



Please use the provided credentials and click Login button. This will take you to the main user interface of the Pegasus software as shown in the image on the next page.

Compatibility

Pegasus System does support all available versions of windows including Microsoft windows 7, 10 ...etc. We do recommend to login Pegasus System by using Microsoft Internet explorer version 11 or Mozilla Firefox ESR (Extended support Release) for better browsing results and getting most advanced features of Pegasus Systems.

Main Graphical User Interface

Device	Time	Address	Speed	Odometer	IGN	Alerts	Src	GPS	Attributes	Latitude	Longitude	Analog	Pkt#	Status	Sats	Fields
DEMO-118	22/05/2018 15:18	Hilton, South Staffordshire District.	0.1	0.0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GPRS	<input checked="" type="checkbox"/>		52.4149	-1.5301	0.000	9	200000	9	St:00000000.S:80.B:100
DEMO-118	22/05/2018 15:18	Hilton, South Staffordshire District.	0.1	0.0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GPRS	<input checked="" type="checkbox"/>		52.4149	-1.5301	0.000	9	200000	9	St:00000000.S:80.B:100
DEMO-118	22/05/2018 15:18	Hilton, South Staffordshire District.	0.3	0.0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GPRS	<input checked="" type="checkbox"/>		52.4149	-1.5301	0.000	9	200000	9	St:00000000.S:80.B:100
DEMO-118	22/05/2018 15:18	Hilton, South Staffordshire District.	0.4	0.0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GPRS	<input checked="" type="checkbox"/>		52.4149	-1.5301	0.000	9	200000	9	St:00000000.S:80.B:100

A. Actions

Actions button in the Devices Panel offers variety of functionalities and correspondence to specific and multiple installed devices. You can also add/edit or delete devices here. Click on [Actions](#).

B. Administration

Accounts button enables you to Create & Edit Administrator/ Master Accounts, User Accounts and set roles for the Users. More details under [Administration](#) section.

C. Tools

Tools button opens a whole bundle of options to set various settings that should be applied to a tracking device. More detail under [Tools](#) section.

D. Zones

This contains options i.e. Geo Zones, routes, POI and find nearest vehicle. POIs button opens up Point of Interest dialog box which allows marking points of interest on the map. Each place can have its image on the map (an icon). Geo Zones button open up Geo Zone dialog box where co-ordinates could be specified to set a geo zone. More detail under [Zones](#) section.

E. Reports

Reports button open up a Reports dialog box where you can generate variety of reports for the vehicles added to the Pegasus system. More detail under [Reports](#) section.

F. Vehicle

You can Add/Edit or delete vehicle details and this can be reflected under installed devices description. Driver ID and Shipment handling are its most enhanced features. More detail under [Vehicle](#) section.

G. Communication

You can find all the logs of communication between Pegasus software and tracking device and vice versa. For example, Comm logs, Alert log, Event log, Installation logs, not responding devices and Group commands privileges. A panel listing all the alerts generated by the tracking device(s) added to the Pegasus system under a Master account. Enabling/ Disabling the Alert checkbox enable/ disable alert notifications

H. Groups

Groups button open up Device Groups dialog box where you can Add & Edit a group and assign multiple vehicle to a group. You can maintain subgroups with desired attributes of alerts popup. This usually used for fleet management. More detail under [Groups](#) section.

I. Customers

Customers Information dialog box where you can Add & Edit information about the customers and attach customer profile to a particular device or group. More detail under [Customers](#) section.

J. SIMs

SIMs is an extra feature which facilitates user (especially for Distributors or large Fleet Management) to manage SIMs of different GSM operators in a country that are in use with the tracking devices. More detail under [SIMs](#) section.

K. Notifications

This notification system is a combination of software and hardware that provides a means of delivering a message to the recipient(s). More detail under [Notifications](#) section.

L. Dashboard

With one glance, a dashboard offers the user an array of important business insight i.e Moving vehicles, Idle Vehicles, stop vehicles along with forecast of weather conditions. More details under [Dashboard](#).

M. Log Out

Click to log out from Pegasus system.

N. Devices Panel

Device panel displays all the devices that are added to the Pegasus system. Devices panel provides variety of options which are available through graphics displayed in front of each tracking device added to the Pegasus system. More details under [Devices Panel](#) section.

O. Map

Digital map from Google to display devices and tracks of vehicles where currently located.

P. Information Grid

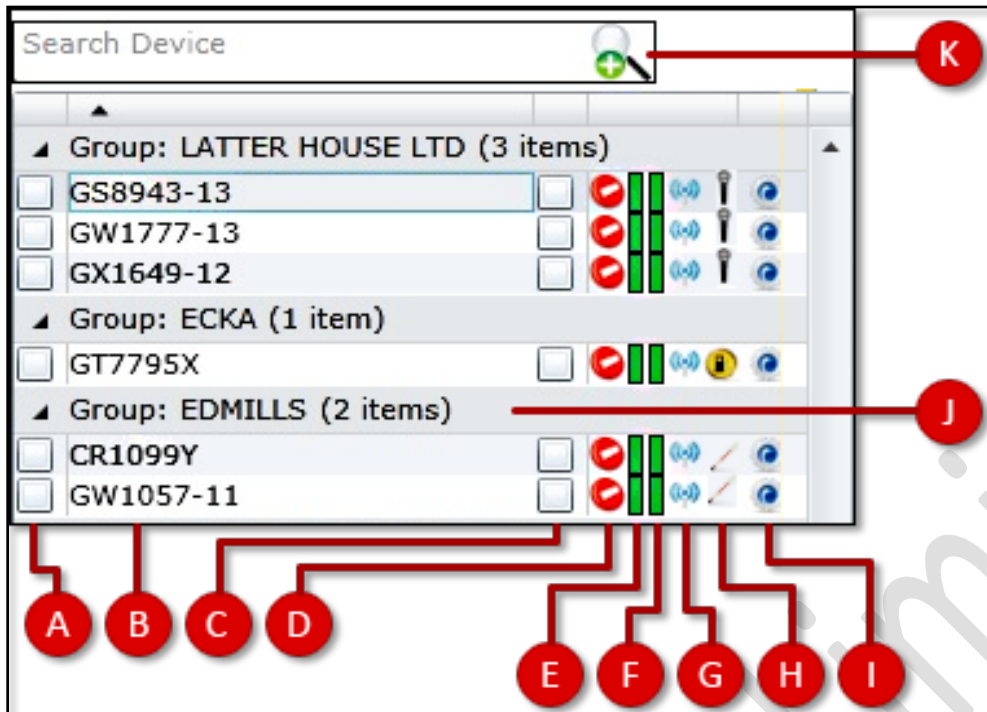
Information grid displays all the necessary, required information for the selected device. It includes, Name, Time, Address, Speed, Odometer, IGN, Alerts, Src, GPS, Attributes, Latitude/ Longitude, Analog, Pkt#, Status, Sats and Fields. More detail under [Information Grid](#) section.

Q. Status Bar

Status bar of the Pegasus system provides more helpful options. These options include Locations, Logs, Show POIs, Hide List, Focus and Export. More detail under [Status Bar](#) section.

Devices Panel

Device panel displays all the devices that are added to the Pegasus system. Devices panel provides variety of options which are available through graphics displayed in front of each tracking device added to the Pegasus system. Let's first discuss the options that are available to us in graphical shape. Most of these options are for informational purpose as shown in the below image.



A. Show Unit

Enabling the check Show Unit check box in the Device Panel shows the last location of the tracking unit on the map. By default, all the check boxes are checked when the user logs into the Pegasus system and Pegasus displays all the vehicles in the group on the map as per the last location sent by the tracking unit.

B. Unit Name

Devices are displayed under the Devices Panel by the names given to them in the Device Form. Devices can be named with a specific naming convention followed in your company or it can be a license plate number.

C. Keep Unit in View

Enabling this check box will locate the unit/ vehicle instantly on the map and will always display it on the map. If the vehicle is moving, map will automatically refresh itself with the current position of the vehicle and there will be no need to refresh the browser to get the updated location of the vehicle on the map. Unit/ Vehicle will not be displayed on the map if the check box is not enabled. This option is provided if you do not want a specific Unit/ vehicle(s) to be displayed on the map simultaneously this will help you to locate a Unit/ vehicle quickly and allowing the software to consume less resources of the machine which means high efficiency of the Pegasus system.





D. Motion States

This column displays different Motion States of the unit and the icons changes as per the current state of a unit/ vehicle. Below is the list of motion states with description.

Icon	Description	Icon	Description
	Engine is on & vehicle is Moving.		Engine is on but vehicle is stopped.
	Engine is off & vehicle is not moving.		Last known status is standing.
	Unknown motion status and it appears if the time is passed more than 90 minutes.		Engine Immobilized





E. GPS Locking

This column displays different states of GPS Locking. If the GPS of the tracking unit is completely locked, an icon colored in green will display. Below is the matrix of the different state of the GPS lock.

Icon	Description	Icon	Description
	GPS is locked.		
			GPS never locked.

F. Position Detection

This column displays different states of Position Detection. It is based on the time interval; icon will be colored green if the time interval is less. Below is the matrix of the different state of the Position Detection.

Icon	Description	Icon	Description
	Currently detected position.		Communicated an hour before.
	Fours hours passed.		Never detected any position or last position detected X days ago.






G. Communication Mode

This column displays the last Communication Mode of the unit over which it was connected to the server. Below is the matrix of the different type of Communication Mode.

Icon	Description	Icon	Description
	Last connection on GPRS.		Last connection on SMS.

H. Feature Set

This column displays the icon of the feature set. Feature set selection is available under Add Device discussed above in the document. Below is the matrix of the different type of Feature sets.

Icon	Description	Icon	Description
	Voice Interface. (NTT-101 Voice Model)		Temperature (NTT-101 Temperature Model)
	Fuel (NTT-101 Fuel Model)		iButton (NTT-101 iButton Model)
	Camera (NTT-101 Camera Model)		

Information Grid

Information grid displays such information regarding selected device(s) for which is required instantly by the user. An image of the information grid is shown below:

Device	Time	Address	Speed	Odometer	IGN	Alerts	Src	GPS	Attributes	Latitude	Longitude	Analog	Pkt#	Status	Sats	Fields
GC7083-12	09 May 2014 10:35	Tarkwa - Aqona Road, Apemenyim	70.376	112017.034	✓		GPRS	✓		4.93484	-1.977855	0	672	240001	10	SMS:4 V:2.12,B:4.61,S:9,H:0.9
GC7083-12	09 May 2014 10:36	Tarkwa - Aqona Road, Apemenyim	57.412	112018.479	✓		GPRS	✓		4.946013	-1.978797	0	673	240001	9	SMS:4 V:2.12,B:4.61,S:10,H:0.9
GC7083-12	09 May 2014 10:37	Tarkwa - Aqona Road, Apemenyim	62.968	112019.115	✓		GPRS	✓		4.955864	-1.979547	0	674	240001	9	SMS:4 V:2.12,B:4.61,S:5,H:0.9
GC7083-12	09 May 2014 10:38	Tarkwa - Aqona Road, Apemenyim	57.412	112020.903	✓		GPRS	✓		4.966547	-1.982167	0	676	240001	10	SMS:4 V:2.09,B:4.61,S:13,H:0.9
GC7083-12	09 May 2014 10:41	3.8 Km from Aqona - Elubo Road,	62.968	112023.325	✓		GPRS	✓		4.977435	-1.999856	0	677	240001	10	SMS:4 V:2.05,B:4.61,S:5,H:0.9
GC7083-12	09 May 2014 10:42	4.3 Km from Aqona - Elubo Road,	70.376	112024.019	✓		GPRS	✓		4.983889	-2.007944	0	678	240001	10	SMS:4 V:2.09,B:4.61,S:20,H:0.9
GC7083-12	09 May 2014 10:43	5.0 Km from Aqona - Elubo Road,	66.672	112026.028	✓		GPRS	✓		4.992206	-2.018355	0	679	240001	10	SMS:4 V:2.05,B:4.61,S:19,H:0.9

Explanation of each column of the Information Grid is given below:

A. Device

Displays the name(s) of the device(s) selected in the Device Panel.

B. Time

Displays the date & time of the location packet received by the Pegasus system.

C. Address

Displays the address of the location sent by the device to Pegasus system.

D. Speed

Displays the speed of the vehicle detected and reported by the device to the Pegasus system.

E. Odometer

Displays the current odometer reading of the vehicle if synced with the vehicle's odometer when adding the device to the Pegasus system.

F. IGN

Displays the ignition status of the vehicle reported by the device to the Pegasus system. If checked vehicle's ignition is on otherwise Off.

G. Alerts

Displays the alerts reported by the device to the Pegasus system.

H. Src

Displays the communication medium used by the device to send location packet by the device to Pegasus system i.e. GPRS or SMS.

I. GPS

Displays the status of the GPS of the device reported to Pegasus system. Checked if GPS is locked, unchecked when GPS is unlocked.

J. Latitude/ Longitude

Displays the latitude/ longitude values detected by the GPS module of the device and reported by the device to Pegasus system.

K. Analog

Displays the voltage detected by the device, connected to the analog input of the device, to Pegasus system.

L. Pkt#

Displays the number of location packets sent by the device to Pegasus system.

M. Status

Displays the status bits.

N. Sats

Displays the number of satellites connected to the device, when location was saved by the device.

O. Fields

Displays other informational data related to the device.

i. SMS

Displays the number of SMS sent by the device.

ii. V

Displays the voltage of the main battery i.e. vehicle's own battery.

iii. B

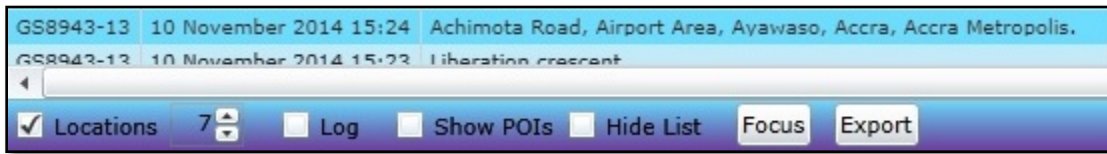
Displays the voltage of the backup battery i.e. battery inside the device.

iv. H

Displays the HDOP value calculated by the device when the location was saved by the device.

Status Bar

Status bar of the Pegasus system provide more useful options to users. Status bar is located at the bottom and just under the Information Grid of the Pegasus system as shown in the below image:



Let's discuss in detail all the options that are available to us on the status bar of the Pegasus system.

A. Locations

Enable the check box to hide/ unhide the Information Grid. Increase/ Decrease the number of locations either by inputting a numerical digit or by the pressing the increase/ decrease buttons.

B. Log

Get real time location updates by enabling the check box labeled as log. By default, its unchecked. Select any vehicle(s) by enabling the check box having tool tip "Keep asset in view" and enable the check box available at the bottom of the Pegasus system GUI labeled as "Log". A small window will appear on the map and start populating with the information of Time when location packet received by Pegasus system, Name of the selected vehicle(s) and Time when device took the location. Information grid available on the main GUI of the Pegasus system will also update with the current location of the vehicle. Please note that information will be available for the current location only.

C. Show POIs

Enable the check box labeled as Show POIs in Status Bar to display POIs on the map. By default, POIs are hidden on the map to avoid clutter and speed up refresh.

D. Hide List

Enable the check box labeled as hide list to hide the Device Panel. This is to allow maximum map size.

E. Focus

Clicking the focus button will re-focus map on the selected assets/ devices in Device Panel.

F. Export

All the data available in the Information Grid on the main GUI of the Pegasus system can be exported to an Excel file. Please follow the given below steps:

- Double click any device in the Device Panel and Pegasus system will populate the Information Grid with all the location data sent by the device.
- Click the Export button, it will open the File Saving dialog box.
- Select a proper location to save the file on the machine.
- Give a proper name to the Excel file and click Save button.
- Pegasus system will create & save an excel file at the desired location populated with the same data that is available in the Information Grid.

Device Configuration status

Clicking this icon displays a dialog box showing all the configuration settings of the respective device as shown in the below image:

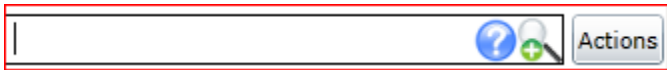
Group Bar

Group bar displays the name of the group and number of vehicles that are under a group.



Search Devices

Installed devices can be searched in search bar which is top left side of Pegasus application.



You can type partial or full devices name or Group name to filter matching devices. Here is “question mark” sign to help you in syntax for apply in search bar.

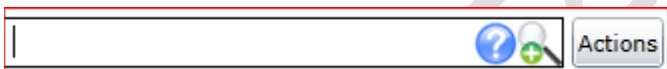
Device Search Help

You can type partial or full Device Names or Group Name to filter matching devices. Following switches can be used for Advanced Search. Switch must come in start of line.

- !nr : Show all Not Responding Devices.
- !nr=d[X] : Show all Not Responding Devices for at least X number of DAYS.
Example: !nr=d3 (Show devices NR for 3 days)
- !nr=X : Show all Not Responding Devices for X number of HOURS.
- !gps=1 : Devices in which GPS is Locked.
- !gps=0 : Devices in which GPS is Unlocked.
- !gps=a : Devices in AGPS mode.
- !id=xxxxx : Device having this ID.
- !v=xxx : Devices having this firmware version.
- !sms : Devices reporting on SMS.
- !ign=1 : Devices with Ignition ON
- !ign=0 : Devices with Ignition OFF

Advance Device Search

Advanced device search option will popup new window when your click on + sign with magnifier (Describing in picture)



It will let you find the device even you don't know vehicle registration number. There are several fields in Advance Device Search and you only need to provide 1 information and reset of record finding will be done automatically. These required fields can be seen in the picture.

Advance Device Search

Device ID:	<input type="text"/>	IMEI Number:	<input type="text"/>
REG. Number	<input type="text"/>	SIM Number:	<input type="text"/>
Engine Number	<input type="text"/>	Chassis Number	<input type="text"/>

Account ID	Device Name	Device ID	IMEI Number	SIM Number
------------	-------------	-----------	-------------	------------

Actions

When a new account will be created there wouldn't be any device added to the Devices Panel but the Actions button will be enable so that a device could be added which is the next step after adding SIM in the SIMs module and creating a Profile in the Pegasus system.

In other case if there are devices added to the Pegasus system and are available in the Devices Panel, Actions button will only enable if a device is selected from the Devices Panel to perform any action. Below is an image illustrating Actions menu:



Communicate to Device: Pegasus offers you to communicate its hardware level. You can setup devices , get their status, implement securities and administrate tracking device through its shell commands.

Add Device: A device form will be opened for basic information that is required to add the device in Pegasus database. *Discussed in detail below in "Add Device" section)*

View Details: This opens the Device Form in view mode in which information can only be read.

Edit Device: By using this, you can edit existing devices. Selecting this option opens the Device Form in edit mode in which you can make changes to the form fields and Save the changes.

Delete Device: For deleting existing vehicles and will no more appear under the Device Panel. *(By default, this option is disabled)*

Device History: Here you can provide the appropriate parameters and Pegasus will draw the whole route on the map as per the locations received from the device.

Device Reports: Pegasus will open its Reports panel which is also available from main menu where various forms of reports could be generated.

Device Zones: Selecting this option, Pegasus will open Geo Zone dialogue box, where you can apply Polygonal or Route, geo zone to the device.

Update Location: It will retrieve all available positions recorded on the current day from its database and will update map with its complete route.

Client Correspondence: This is to send customized messages to multiple registered numbers of the client.

Device Maintenance: Maintenance dialog box, where you can save maintenance records of a device and view early maintenance performed on the device.

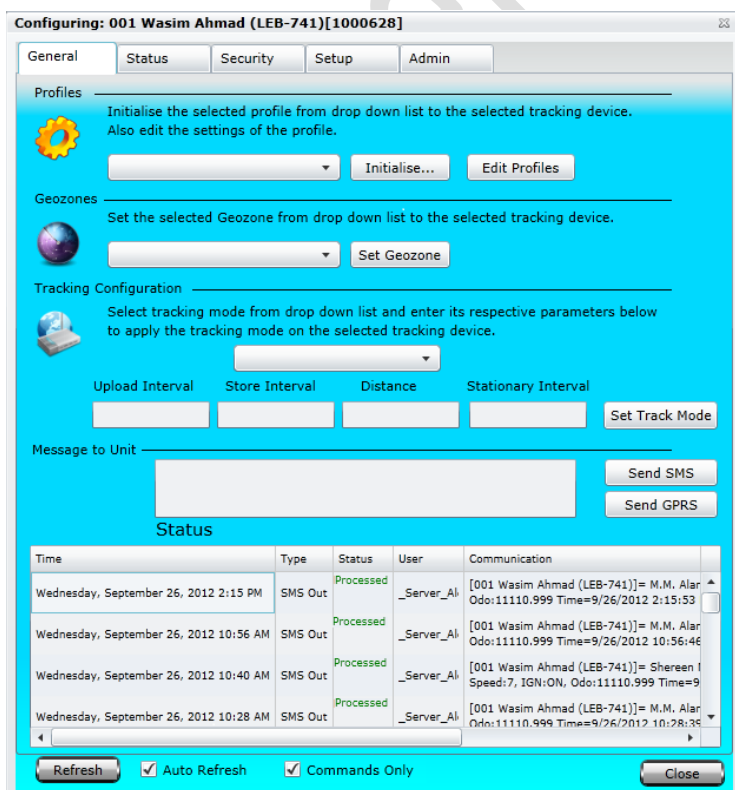
Command History: It will display all those commands sent to the device through Pegasus system. Here you can select a single command or multiple commands to send to the device again.

Show Group: Pegasus will display locations of all devices on the map that are under a group.

Select All: Selecting this option will select all the devices that are under a group.

Clear Selected: Selecting this option will clear the selection of all the selected devices under a group.

a. Communicate to Device



Once the tracking device is added to the Pegasus system now it's time to communicate with the tracking device i.e. send initialization commands to the tracking device so that it starts giving its location, accepts commands, execute commands & report accordingly. This will open the communication dialog box which allows you to configure and send supported commands to the tracking device as shown in the below image.

Communication dialog box is divided into different tabs according to the commands type i.e. General, Status, Security, Setup and Admin commands. We now discuss each tab and commands in detail:

A. General

General tab offers basic commands to be sent to the tracking device in order to start responding to the commands i.e. Profile, Geo Zones, Tracking Configuration, Message to Device and Status. Below each command that a General tab offers is discussed in detail.

Profile

This is the basic command and is mandatory to be sent to the tracking device as it enables tracking device to set its communication parameters. Select a profile from the predefined profiles available in the profile dropdown list (*dropdown list will only populate if profiles are already created under Profile*) or create your own profile which will also appear in the same profile dropdown list and click Initialize button. Once the initialize button is clicked, Edit Profile dialog box will appear where you can make any final changes to the selected profile if required before sending it to the tracking device. You can also edit the profile by clicking the Edit Profile button before clicking the Initialize button.

A profile includes tracking device's basic settings like which GSM Network to use, what are the Base Control Number and others which we will discuss in detail later. Once the initialization settings are sent, you can notice the status of the commands sent to the tracking device by the Pegasus software in the Status grid (*Marked in green color in the above image*). As soon as the tracking device receives the command from the Pegasus system, it starts processing i.e. setting up its parameters, as set by you in the selected profile. Once the settings are set by the tracking device, it confirms it by sending its position to the Pegasus system which could be checked by enabling the "Keep In View" check box option under the Devices Panel and device will reflect its position on the map.

Geo Zone

Setting a Geo Zone on a tracking device is optional; Geo Zone could be applied to the tracking device at this initial stage or could also be applied later on. Select the predefined Geo Zone (which you can create from main menu Zones then click on GeoZone) settings from the Geo Zone dropdown list and click Set Geo Zone button. Doing so will show the command line that has to be sent to the tracking device in the Message to Device text box, if required you can change the latitude and longitude settings before sending it finally to the tracking device. If no changes are required you can send Geo Zone settings to the tracking device by clicking Send SMS or Send GPRS button. Multiple Geo Zones can be applied and view in different colours by clicking Show Tracks in Vehicles tab.

Tracking Configuration

Setting Tracking Configuration is also optional; these settings could be applied to the tracking device at this initial stage or could also be applied later on. There are multiple tracking modes that you can set on the tracking device. Just select the required tracking mode, enter the parameters in Upload Interval, Store Interval, Distance & Stationary Interval. Once the parameters are set then click the OK button, respective command line as per the tracking mode set will appear in the Message to Device text box and if no further changes are required you can send the command to the tracking device by clicking the Send SMS button or Send GPRS button. Below is the short description of the tracking modes offered by Pegasus system.

Interval Base Tracking

Setting tracking mode to Interval Base Tracking will enable the tracking device to store GPS and status data after every specified Store Interval (*in seconds*) to its internal memory and will send all the stored location to Pegasus system when the Upload Interval is achieved. In case tracking device loses its connection with GSM network, it will send all the locations stored in buffer to Pegasus system as soon as tracking device gets back in to the GSM network and establish its connection.

Real Time Tracking

Setting tracking mode to Real Time Tracking will enable the tracking device to send its GPS and status data to Pegasus system after every specified Upload Interval. Setting the Upload Interval and Store Interval to 0 seconds will enable the Real Time Tracking mode.

Store and Upload Location

Setting tracking mode to Store and Upload Location will enable the tracking device to store GPS and status data after every specified Store Interval (*in seconds*) to its memory and will send to Pegasus system after every specified Upload Interval (*in seconds*) and will clear its memory.

Distance Base Tracking

Setting tracking mode to Distance Base Tracking will enable the tracking device to store GPS and status data after every specified Distance interval (*in meters*) to its memory and will send to Pegasus system after every specified Upload Interval (*in seconds*) and will clear the memory. If the Upload Interval is complete but specified Distance Interval is not yet covered, device will not send any location to Pegasus system.

Motion Base Tracking

Setting tracking mode to Motion Base Tracking will enable the tracking device to store GPS and status data after every specified Store Interval (*in seconds*) to its internal memory and will send all the stored location to Pegasus system when the Upload Interval is achieved. Motion base tracking is different from Interval base tracking as Motion base tracking will only send the location when the vehicle will move from a stop state i.e. when the vehicle is stopped, device will not store or send any location.

Status Grid

Status Grid keeps you updated with the status of all the commands that are sent to the tracking device. In the Status Grid, Date & Time of the command, Type of command i.e. sent the command through SMS or GPRS, Status of the command i.e. the command sent is either pending or processed or failed and Communication i.e. what command has been sent to the tracking device.

Auto Refresh

Enabling this option will automatically keep updating the Status Grid.

Commands Only

Enabling this will only show the commands that are sent to the selected device.

B. Status

Status tab offers such commands to be sent to the tracking device to get the status of the features that the tracking device offers. Let's discuss each Status command in detail:



Vehicle Location

To find recent location of the vehicle, you can simply click on "Get Location" button.

A popup window will generate command automatically for you. Next you need to select it sending medium either GPS or GPRS.

Device Firmware

Click on "Get version" button which will create command for you %VER. Send this command to the tracking device to get the current version of the firmware installed in it.

Device IMEI

Click on "Get IMEI" button which will create command for you %CGSN. Send this command to the tracking device to get its IMEI number.

Device Configuration

Click on "Get Config" button which will create command for you %GFS. Send this command to the tracking device to get all the settings applied to it.

Device GPS/ GSM

By clicking on "Get GPS/GSM Status" button which will create command for you %GPS. Send this command to the tracking device to get the tracking device's GSM & GPS status.

Security

There are two modes in security, vehicle engine mobilizes and immobilize with %ARM,0 and %ARM,1 respectively. Click on "Get ARM Status" button which will create command %ARM? Send this command to the tracking device to get the settings set for the security mode.

Geofence

To find what Geo Zone and how many are configured in the tracking device, you need to Click on "Geo Zone Stat" button which will create command for you %GEO?

Analog Input

Click on the "ADC Scan" button which will create command for you %ADC,1. Send this command to the tracking device to get the current values on its analog inputs.

Device Initialization

Click on "Get INI" button which will pop up with command %INI? Send this command to the tracking device to get the settings applied on the device including contact numbers.

GPRS Status

Click on button "Get Info" which will create command %INO? Send this command to the tracking device to get the GPRS settings set for GPRS connection.

SMS Counter Status

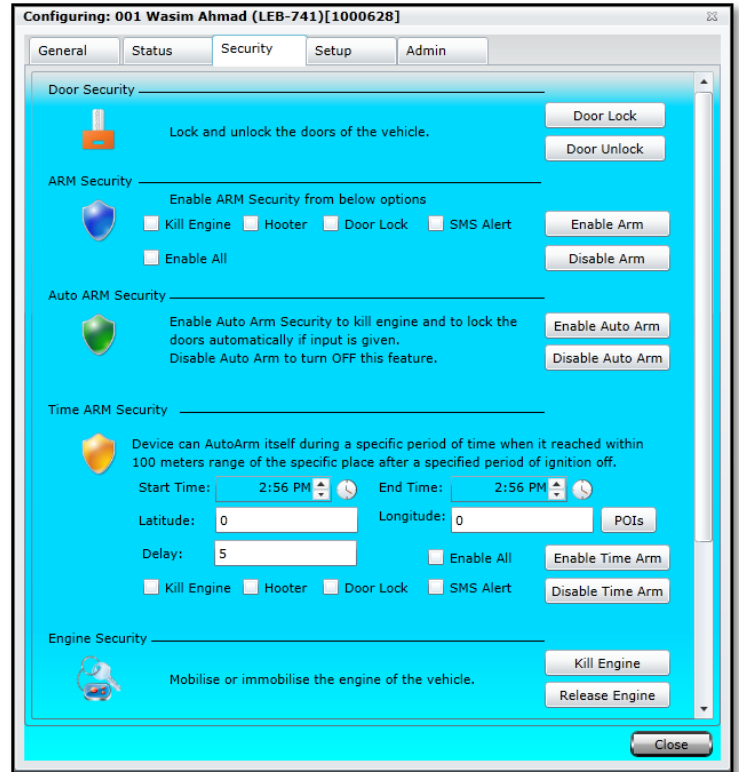
Click on the button "Get SMS Stat" which will create command %SMSN? Time period of SMS count is 1 month after that it will starts from 0. You may check this command response in Communication History of General Tab.

Battery Alert Status

Click on button "Get Bat Alert" which will create command %BATCUT? Send this command to the tracking device to get the status of the machine battery connected to the device

C. Security

Security tab offers such commands to be sent to the tracking device to enable/ disable features that the tracking device offers. Let's discuss each Security command in detail:



Door Security

Send command to the tracking device to lock/ unlock the car doors.

ARM Security

Send command to the tracking device to turn ON/ OFF the security mode with enabling/ disabling the options to Kill Engine, Hooter, Door Lock and SMS Alert.

Auto ARM Security

Send command to the tracking device to turn ON/ OFF the auto security mode.

Time ARM Security

Send command to the tracking device to turn ON/ OFF the security mode for a specific period of time within 100 meters range of the specific place after a specified period of ignition off.

Engine Security

Send command to the tracking device to turn ON/ OFF engine immobilizing mode.

Jammer Detection

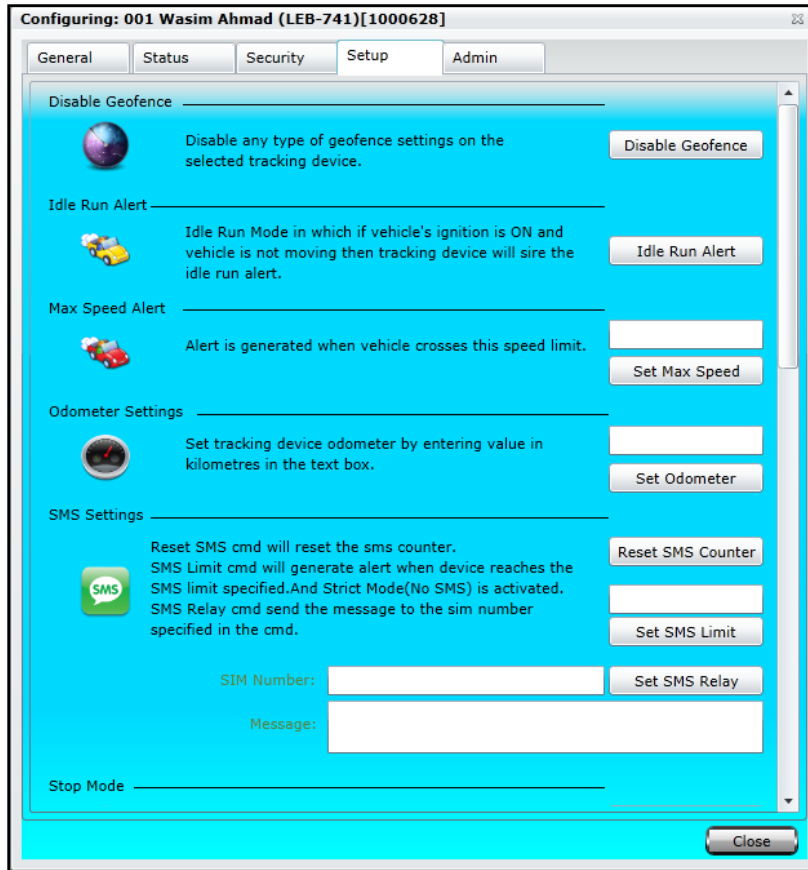
Send command to the tracking device to turn ON/ OFF anti jamming mode with the actions to perform (Kill Engine and Hooter, Hooter only or Alert only).

Battery Security

Send command to the tracking device to turn ON/ OFF battery tampering alert.

D. Setup

Setup tab offers such commands to be sent to the tracking device to set the parameters for the features that the tracking device offers. Let's discuss each Setup command in detail:



a. Disable Geofence

Send command to the tracking device to turn OFF any geofence settings applied to it.

b. Idle Run Alert

Send command to the tracking device to turn ON the Idle Run Alert.

c. Max Speed Alert

Send command to the tracking device to turn ON the Max Speed Alert specifying the max speed in the text box.

d. Odometer Setting

Send command to set the tracking unit's odometer according to the vehicle's odometer.

e. SMS Settings

Send "Reset SMS Counter" command to the tracking device to reset the SMS sent by the device counter to zero. Send "Set SMS Limit" command by specifying the counter to restrict the device to a limit.

f. Stop Mode

Send command to the tracking device to turn ON/ OFF the tracking mode while vehicle is stopped.

g. Analog Media Settings

Send command to the tracking device to turn ON/ OFF Analog Input Median calculations.

h. GSM Mode Settings

Send command to the tracking device to turn ON/ OFF GPRS keep alive status or different modes.

i. Input Alerts Settings

Send command to set the tracking device to turn ON/ OFF alerts for its three (3) digital inputs.

j. Turns Settings

Send command to set the tracking device to send alerts to server when the device turns at an angle more than the specified.

k. Acceleration & Harsh Breaks Settings

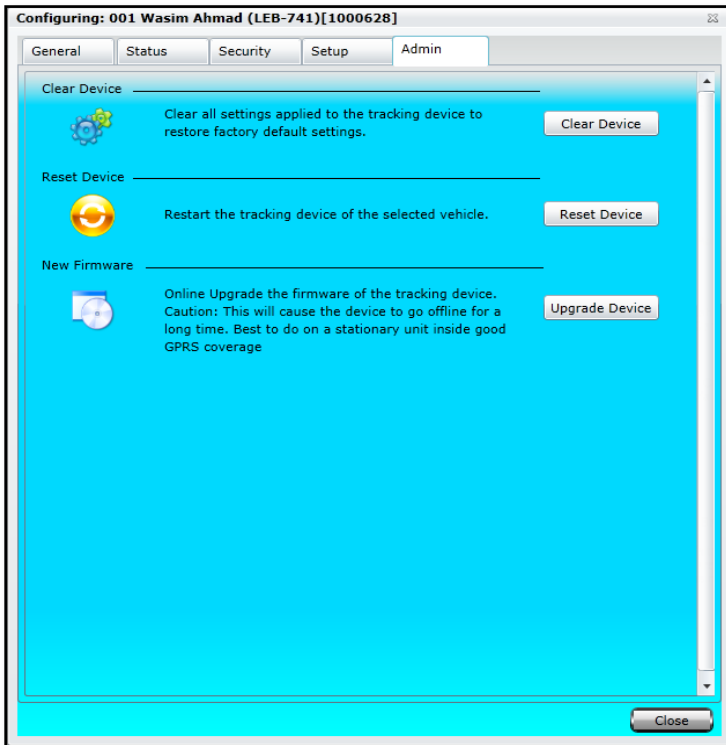
Send command to set the tracking device to send an alert when threshold set for Acceleration and Harsh Breaks has been breached.

l. Audio Settings

Send command to set the tracking device's Number of Rings, Microphone Volume and Speaker Volume.

E. Admin

Admin tab offers such commands to be sent to the tracking device to clear all the settings, reset it and install a new version of firmware when available. Admin tab is only for the Administrator of the account. Let's discuss each Setup command in detail:



a. Clear Device

Send command to the tracking device to clear all the settings applied to it.

b. Reset Device

Send command to the tracking device to reboot it.

c. New Firmware

Send command to the tracking device to install newer version of firmware when available. Make sure vehicle is stationary while firmware is being upgraded.

Add Device

Adding a device to the Pegasus system will be the next step for a newly created Account. Select the Add Device option from the drop-down menu by clicking the Actions button which will open a Device Form in which basic information has to be filled that is required to add the device to the Pegasus database under General tab and only then it will be displayed by the Pegasus system under the Devices Panel. Please note that adding the device to the Pegasus database does not mean it's functional and you can start tracking it. At this stage it's only added to the Pegasus system and initial settings has yet to be applied to the device to make it working. Let's discuss the Device Form that opens up when you select Add Device option and is shown in the image:

General

A. Device ID

This will be assigned automatically by server when device is added. This is unique across the entire Pegasus system.

B. Description

Enter a short description and it could be related to a customer or customer's vehicle where the tracking device has to be installed.

C. Display Name

Display Name accepts both numeric & alpha numeric characters. Enter the name of the tracking device that you want to be displayed with under the Devices Panel. This can be any specific format which your company follows or a license plate number could also be entered which helps later when tracking the vehicle.

D. Display Icon:

Select an icon of your choice out of many available in the dropdown list. Selected icon will display on the map while tracking the vehicle.

E. Code Version:

Displays the version of the firmware installed in the device. It will populate automatically once the device sends its first location.

F. SIM Number:

Pegasus system automatically populated this drop down list. This list will only show those SIM numbers which are added to the Pegasus system under SIM management module and are not yet assigned to any device in the Pegasus system. Select the desired SIM number from the drop down list.

G. IMEI/ ESN Number:

IMEI Number only accepts numeric characters. This will be automatically populated by server when the device sends its first location.

H. License Plate Number:

Select the License Plate Number of the vehicle in which tracking device has to be installed, available in the drop down list. This will be populated by the server when a vehicle is added to the Pegasus system,

I. Active

By default, device will be enabled as Active. Disabling this check box will deactivate the device.

J. Feature Set

Enable all those feature sets that are installed with the device. Enabling the check boxes here in Add Device will have impact in Device Panel and an icon of respective feature set will appear against the device.

k. Geo Zone

Displays the predefined set of boundaries.

L. Driver

Displays the name of the driver to whom the vehicle is assigned under Driver Information Form. This will be populated automatically by the Pegasus system.

M. Group

Displays the name of the group which is assigned to the device under an Account. This will be populated automatically by the Pegasus system.

N. Profile

Pegasus system automatically fills Profile field once a profile is assigned to a tracking device. *(Discussed later in this document)*

O. Current Odometer KM

Enter the current odometer reading of the vehicle so that the odometer in Pegasus system should start from the same reading as in the vehicle. This helps in generating different types of Reports.

P. Customer

Pegasus system automatically populates this drop down list. This list will only show those customer names which are added to the Pegasus system under Customer management module. Select the respective customer name from the drop down list.

Q. Installation Date

Enter the date when the tracking device is installed in the vehicle.

R. SMS Update Duration

Enter the duration in minutes after which Pegasus system should send out an SMS, to update customer. This SMS will be sent to first authorize contact number.

S. IGN ON/ IGN OFF

Enable the check boxes. This will allow Pegasus system to send the SMS to the authorized cell phone numbers whenever ignition of the vehicle is turned On or Off.

T. SMS Email

Enter the email address to which SMS from the device is required to be sent.

U. Notes

Write Notes in this field and these notes could be related to the tracking device or about a specific customer which has a tracking device installed in his/ her vehicle.

V. Time Zone (Secs)

Time Zone is the time zone of the home area/country of device in seconds. This time zone is set automatically from the Account Time Zone by the Pegasus system.

W. Max Speed

Set the Max Speed for the device, Device will generate an alert if max speed violation is detected.

X. SIM Responding

SIM Responding is for diagnostic purpose and is set if Device SIM is receiving ring on call. This value appears in the NR/ Unlocked Devices Report.

Y. Blocked NP

Enable this check box if the device is required to be blocked due to non-payment. User with AMF rights could enable/disable this option. Once all the fields are filled click Save button to save the information and note that the added device will now appear under the [Devices Panel](#).

View Device Details

Pegasus system saves complete device details in its database which could later be viewed. To view device details, one must have an Administrative account or with equivalent rights. View Device Details option is available under the Actions button menu in the Device Panel. Upon selecting the option View Device Details, a Device Form will pop up in the middle of the work area which will be non-editable as shown in the below image:

The screenshot shows a 'Device Detail' window with two tabs: 'General' and 'Commands'. The 'General' tab is active. The form contains the following fields and values:

- Device ID: 1004402
- Display Name: GW5974Y
- Display Icon: [Icon]
- SIM Number: +233243896716
- License Plate: [Empty]
- Active:
- Last Update Time: 12/11/2014 12:22
- GeoZone: [Empty]
- Driver: [Empty]
- Profile: MTN
- Customer: [Empty]
- Equipment Type: [Empty]
- SMS Email: +233205422853
- Notes: [Empty]
- Time Zone(Secs): 0
- Max Speed Allowed: [Empty]
- SIM Responding:
- Blocked NP:
- Description: [Empty]
- Device Type: [Empty]
- Code Version: 661
- IMEI/ESN Number: 861001002455091
- Serial Number: [Empty]
- Feature Set: [Empty]
- Voice: iButton: Fuel: Door Sensor: Temperature:
- AutoArm: Camera:
- Group: [Empty]
- Current Odometer KM: 187389.483
- Installation Date: <dd/MM/yyyy> 15
- SMS Update Duration: In minutes IGN On IGN Off

Buttons: Save, Close

Commands could also be added under Commands tab.

Edit Device

Pegasus system saves complete device details in its database which could later be edited. To edit device details one must have an Administrative account or with equivalent rights. Edit Device Details option is available under the Actions button menu in the Device Panel. Upon selecting the option Edit Device Details, a Device Form popup in the middle of the work area which will be editable and one can edit the required fields as shown in the below image:

The screenshot shows the same 'Device Detail' window, but in an editable state. The fields and values are identical to the previous image, except for the 'Current Odometer KM' field, which is now 0. The buttons at the bottom right are 'Save' and 'Cancel'.

Buttons: Save, Cancel

Delete Device

Pegasus system allows deleting a specific device added to the devices panel. To delete a device one must have an Administrative account or with equivalent rights. Delete Device option is available under the Actions button menu in the Device Panel. Upon selecting the option Delete Device, a confirmation message will be displayed and clicking its Yes button will instantly delete the device from the Device Panel.

Device History

Pegasus system stores every location and its other associated attributes i.e. time, date, speed, LAT.& LONG. etc, into its database which helps users to view Device History. Device History option is available under the Actions button menu in the Device Panel. Selecting this option opens a Device History dialogue box, which contains a dropdown list labeled as Device, from where user can select a vehicle from the list available, specify From/ To Date & Time range and click Extract History button. Pegasus system will draw the whole route on the map as per the locations received from the device as shown in below image:

The screenshot displays the Naxertech Pegasus web interface. At the top, there's a navigation menu with options like Administration, Profiles, Zones, Reports, Vehicles, Communication, Groups, Customers, SIMs, and Notifications. The main area features a map showing a route in a coastal region, with a sidebar on the left containing a search bar, device selection dropdown (GC7083-12[1002]), date and time filters (From: 09/05/2014 10:00, To: 09/05/2014 10:59), and an 'Extract History' button. Below the map is a 'Track Player' section with playback controls and checkboxes for 'Move map while playing' and 'Ignore zero speed messages'. A data table at the bottom lists device history entries with columns for Device, Time, Address, Speed, Odometer, IGN, Alerts, Src, GPS, Attributes, Latitude, Longitude, Analog, Pkt#, Status, Sats, and Fields.

Device	Time	Address	Speed	Odometer	IGN	Alerts	Src	GPS	Attributes	Latitude	Longitude	Analog	Pkt#	Status	Sats	Fields
GC7083-12	09 May 2014 10:35	Tarkwa - Aqona Road, Apemenvim, Wassa West.	70.376	112017.034	✓		GPRS	✓		4.93484	-1.977835	0	672	240001	10	SMS:4 V:2.12.8:4.61.5:9.H:0.9
GC7083-12	09 May 2014 10:36	Tarkwa - Aqona Road, Apemenvim, Wassa West.	57.412	112018.479	✓		GPRS	✓		4.946013	-1.978797	0	673	240001	9	SMS:4 V:2.12.8:4.61.5:10.H:0.9
GC7083-12	09 May 2014 10:37	Tarkwa - Aqona Road, Apemenvim, Wassa West.	62.968	112019.115	✓		GPRS	✓		4.955864	-1.979547	0	674	240001	9	SMS:4 V:2.12.8:4.61.5:11.H:0.9
GC7083-12	09 May 2014 10:38	Tarkwa - Aqona Road, Apemenvim, Wassa West.	57.412	112020.903	✓		GPRS	✓		4.966547	-1.982167	0	676	240001	10	SMS:4 V:2.09.8:4.61.5:13.H:0.9
GC7083-12	09 May 2014 10:41	3.8 Km from Aqona - Elubo Road, Wassa West.	62.968	112023.325	✓		GPRS	✓		4.977435	-1.999856	0	677	240001	10	SMS:4 V:2.05.8:4.61.5:15.H:0.9
GC7083-12	09 May 2014 10:42	4.3 Km from Aqona - Elubo Road, Wassa West.	70.376	112024.019	✓		GPRS	✓		4.983889	-2.007944	0	678	240001	10	SMS:4 V:2.09.8:4.61.5:10.H:0.9
GC7083-12	09 May 2014 10:43	5.0 Km from Aqona - Elubo Road, Wassa West.	66.672	112026.028	✓		GPRS	✓		4.992206	-2.018355	0	679	240001	10	SMS:4 V:2.05.8:4.61.5:19.H:0.9
GC7083-12	09 May 2014 10:44	5.6 Km from Aqona - Elubo Road, Wassa West.	57.412	112026.742	✓		GPRS	✓		4.999729	-2.024014	0	680	240001	9	SMS:4 V:2.09.8:4.6.5:7.H:1
GC7083-12	09 May 2014 10:46	Tarkwa - Aqona Road, Wassa West.	61.116	112028.448	✓		GPRS	✓		5.004686	-2.032783	0	682	240001	9	SMS:4 V:2.12.8:4.61.5:25.H:1
GC7083-12	09 May 2014 10:48	Tarkwa - Aqona Road, Wassa West.	59.264	112030.541	✓		GPRS	✓		5.002662	-2.051034	0	683	240001	9	SMS:4 V:2.05.8:4.62.5:19.H:1
GC7083-12	09 May 2014 10:49	Tarkwa - Aqona Road, Wassa West.	62.968	112031.849	✓		GPRS	✓		5.0021	-2.062464	0	684	240001	8	SMS:4 V:2.09.8:4.61.5:13.H:1.1
GC7083-12	09 May 2014 10:50	Tarkwa - Aqona Road, Wassa West.	62.968	112032.789	✓		GPRS	✓		5.005266	-2.073972	0	685	240001	8	SMS:4 V:2.05.8:4.61.5:10.H:1.1
GC7083-12	09 May 2014 10:51	Tarkwa - Aqona Road, Wassa West.	55.708	112034.342	✓		GPRS	✓		5.007931	-2.083544	0	686	240001	8	SMS:4 V:2.12.8:4.61.5:8.H:1
GC7083-12	09 May 2014 10:52	Tarkwa - Aqona Road, Wassa West.	62.968	112035.16	✓		GPRS	✓		5.01856	-2.086011	0	688	240001	9	SMS:4 V:1.98.8:4.61.5:16.H:0.9

A. Track Player

Pegasus system provides a unique feature of Track Player which no other web-based tracking system provider provides which makes Pegasus system an industry leading Web Based Tracking System. Track Player re-draws the movement of the device on the map which is basically based on the Latitude/ Longitude sent by the device to the Pegasus system. In other words a user can watch the Re-Play of the complete movement of the device/ vehicle. Track Player only works if the History of the device is extracted otherwise the Track Player will remain non-responsive. While using the Track Player please be patient as it's a CPU sensitive task, consumes system resources especially while Fast forwarding and Fast Rewinding.

Device Reports

Pegasus system allows user to generate variety of reports which are structured to pull information from the database in pre-defined formats that are relevant to the type of report requested. *More detail under Reports section.*

Device Zones

Pegasus system allows user to apply Polygon Zone and Route Zone to the selected device from the list of devices under Devices Panel. To apply Zones one must have Administrative account or an account with equivalent privileges. Upon selecting the Device Zones option a Geozone dialog box will open containing the list of Polygon Zones and Route Zones. Geozone dialog box is divided into two halves, upper half of the dialog box contains the list of all the Polygon Zone and the other half of the dialog box contains the list of all the Route Zones as shown in the below image:

Apply Geozones To:GS1490-12[1001054]

Polygon Zones:
Apply Polygonal Zone and set the Alert type from the drop down list. OUT means Alert when device moved out of Zone. IN means Alert when device enters the Zone. IN+OUT means Alerts on both entering and exiting the Zone. Multiple Zones can be applied at same time.

Device Zones	Apply	Type
chief director	<input checked="" type="checkbox"/>	OUT
London	<input checked="" type="checkbox"/>	IN+OUT
Model Town	<input checked="" type="checkbox"/>	IN

Route Zones:
Apply the Route Zone and set the maximum route deviation in meters for the device. Device will generate Alert if vehicle deviates from the route beyond the limit defined. There can only one route zone applied to device at any given time.

Device Zones	Apply	Deviation
AccraToMassi	<input checked="" type="checkbox"/>	500
Director's route	<input checked="" type="checkbox"/>	5
RESIDENCE TO TOWN	<input checked="" type="checkbox"/>	500

Save Close

A. Polygon Zones

Select one or multiple Polygon Zone from the list by enabling the check box available against each Polygon Zone. Setting the type to In, Out or In+Out will set the device to generate an alert when the device enters the applied zone, moves out of the applied zone or send out an alert if the device enters and moves out of the applied zone respectively.

B. Route Zones

Only one Route Zone could be applied to a device. Select a Route Zone available in the list by enabling the check box available next to the Route Zone. Set the maximum deviation value (in meters) for the device. Device will generate an alert if it deviates from the limit specified.

Note: How to create Polygon Zone and Route Zone, read in detail under section [Zones](#).

Update Device Locations

Selecting this option, Pegasus system will take all the available positions recorded on the same day from its database and will update the map with its complete route as shown in the below image:

Device	Time	Address	Speed	Odometer	IGN	Alerts	Src	GPS	Attributes	Latitude	Longitude
GS1490-12	Wednesday, May 15, 2013 10:57 PM	Labadi Road, Labadi, Kpeshie, Accra, Accra Metropolis.	1.852	55170.123	<input type="checkbox"/>	<input type="checkbox"/>	GPRS	<input checked="" type="checkbox"/>		5.558518	-0.164516
GS1490-12	Wednesday, May 15, 2013 10:27 PM	Labadi Road, Labadi, Kpeshie, Accra, Accra Metropolis.	0	55170.123	<input type="checkbox"/>	<input type="checkbox"/>	GPRS	<input checked="" type="checkbox"/>		5.558563	-0.164498
GS1490-12	Wednesday, May 15, 2013 10:27 PM	Labadi Road, Labadi, Kpeshie, Accra, Accra Metropolis.	1.852	55170.123	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GPRS	<input checked="" type="checkbox"/>		5.558548	-0.16453
GS1490-12	Wednesday, May 15, 2013 10:26 PM	Labadi Rd, Labadi, Kpeshie, Accra, Accra Metropolis.	29.632	55170.123	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GPRS	<input checked="" type="checkbox"/>		5.557967	-0.163201
GS1490-12	Wednesday, May 15, 2013 10:25 PM	Labadi Road, Labadi, Kpeshie, Accra, Accra Metropolis.	40.744	55169.704	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GPRS	<input checked="" type="checkbox"/>		5.557683	-0.157744
GS1490-12	Wednesday, May 15, 2013 10:24 PM	Labadi Road, Labadi, Kpeshie, Accra, Accra Metropolis.	61.116	55168.917	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GPRS	<input checked="" type="checkbox"/>		5.559893	-0.146848
GS1490-12	Wednesday, May 15, 2013 10:23 PM	Labadi Road, Labadi, Kpeshie, Accra, Accra Metropolis.	48.152	55167.933	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GPRS	<input checked="" type="checkbox"/>		5.563635	-0.143111
GS1490-12	Wednesday, May 15, 2013 10:22 PM	Labadi Road, Kpeshie, Accra, Accra Metropolis.	53.708	55167.179	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GPRS	<input checked="" type="checkbox"/>		5.56562	-0.135109

Client Correspondence

Pegasus system allows you to send customize SMS text message to a particular customer. This SMS text message could be a greeting message or message containing the current location of the device (etc). Selecting this option, Pegasus system will open Client Correspondence dialog box as shown in the below image:

User ID	Device ID	Creation Time	Data	Type	Statu	Sim P
tariqkhan	1000790	21 August 2013 04:49 PM	Dear customer device [GB 5182-12] current location is: Pegasus Business Park, Castle Donington at 21/08/2013 04:48:38 PM	SMS Out	Pending	+923

The dialog box is divided into three segments; at upper left segment of the dialog box brief information related to client is provided. It contains Device Information, Vehicle Information and Customer Information. At the upper right segment of the dialog box is the correspondence area, where a contact number could be selected from the drop down list containing all the numbers provided by the client or any other contact number not available in the list of Contacts could also be entered in the text box labeled as Message To. A message could be typed in the text box labeled as Message; by default it contains a message of current location of the device. If a CSR (Customer Support Representative) is interacting with the client, it is useful to enter remarks and to do so enter the remarks in the text box labeled as Remarks.

Rest of the Client Correspondence dialog box displays the communication history of the device with the Pegasus Server.

Device Maintenance

Complete maintenance history of a device could also be saved in the Pegasus System which is mostly needed by such companies maintaining a large fleet of vehicles. Selecting this option will open Device Maintenance dialog box as shown in the below image:

Date	Vehicle Reg No.	Current SIM	Current IMEI	Current Firmware	New SIM	New IMEI
4/27/2013	BD51SMR	+447123456789	12896002641824	423	+449876543212	86178500131

Current Device Maintenance:

User ID: Edward Collin Vehicle Reg No.: BD51SMR

Current SIM: +447123456789 New SIM: +449876543212

Current IMEI: 12896002641824 New IMEI: 861785001317688

Current Code Version: 423 New Code Version:

Problem IN: Device Date: 4/27/2013

Action Taken: Current SIM Detached

Notes:

Buttons: New Device Maintenance..., Save, Delete, Cancel

Device Maintenance Form dialog box is divided into two segments; the upper part of the Device Maintenance Form dialog box is called Device Maintenance Grid where all the details of a device maintenance history could be viewed. The rest of the part is meant to add new maintenance details or edit any previous details. Let's create a new Device Maintenance and we will go through all the input boxes in detail.

Click New Device Maintenance button and you will notice that an empty form with different options will appear in the second half of the Device Maintenance Form. Now it's time to fill in the rest of the fields as described below:

A. User ID

User ID text box will populate automatically and it will be same user ID with which you have logged in to the Pegasus system.

B. Vehicle Registration Number

Enter the Vehicle Registration Number for which the device maintenance is performed.

C. Current SIM

Current SIM text box will populate automatically and will show the SIM number currently used in the device.

D. New SIM

Enter the New SIM number if current SIM has been replaced. Leave blank if not.

E. Current Code Version

Current Code Version text box will populate automatically and will display the version of the firmware currently installed in the device.

F. New Code Version

Enter the New Code Version if the firmware of the device is updated.

G. Problem In

Select the appropriate options for problem area from the dropdown list for which the device maintenance has been performed.

H. Date

Select the date from the associated calendar when the device maintenance has been performed.

I. Action Taken

Write the Action Taken against the problem detected while performing device maintenance.

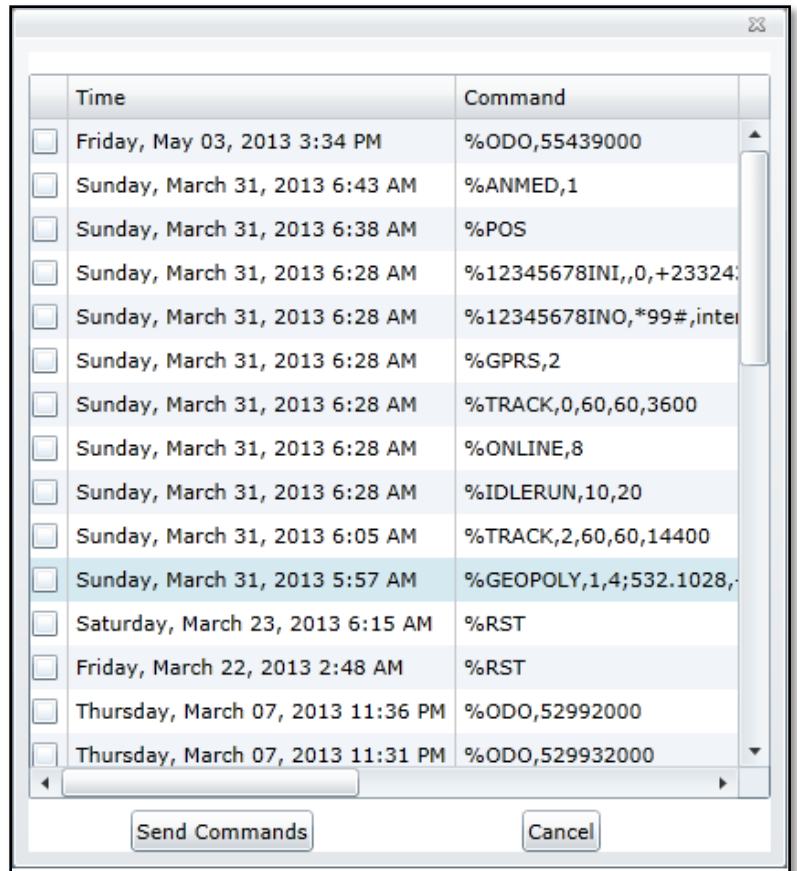
J. Notes

Write Notes in this field and these notes could be related to the part changed in the device or according to the device maintenance performed.

Command History

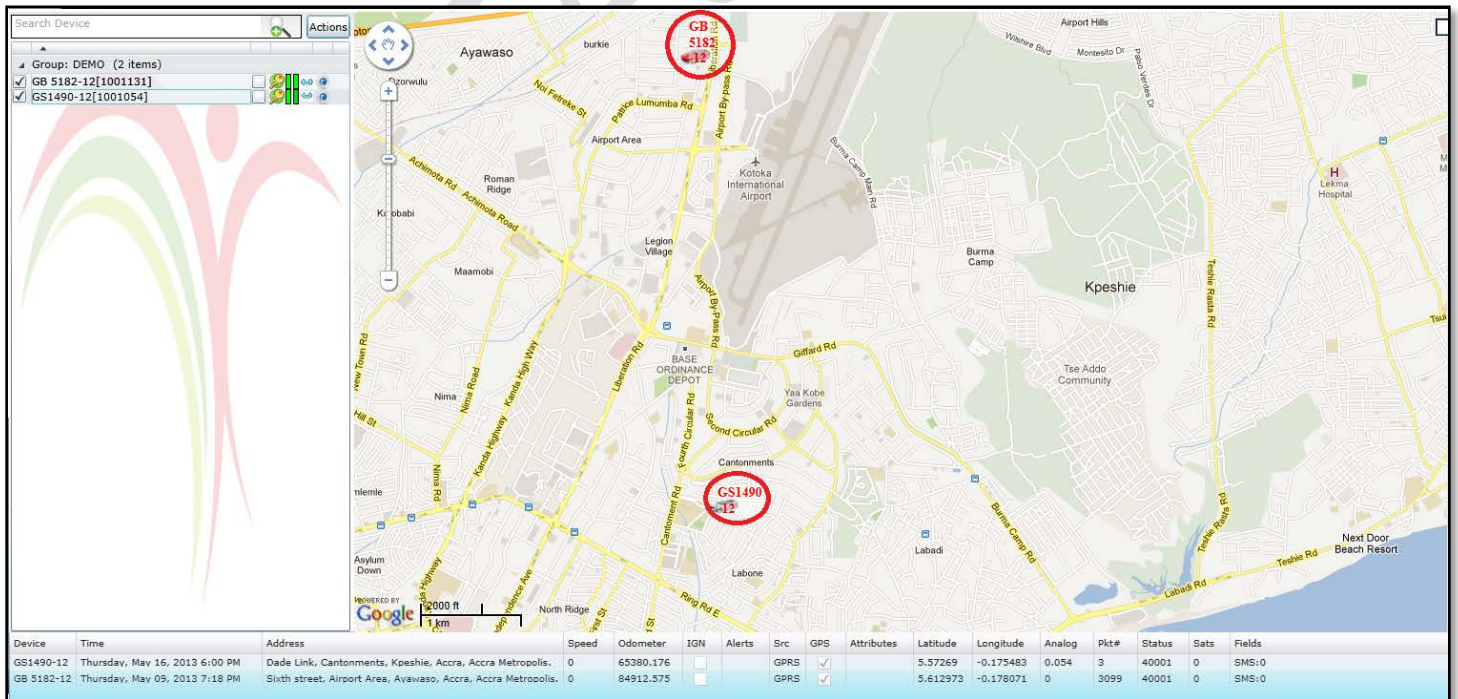
Pegasus system saves the commands sent to a device. Selecting this option Pegasus system will open Command History dialog box. This feature is very useful in case if the device needed to be initialize again, setting the parameters again will be a bit hectic but Pegasus system made it easy. List of all the commands sent from the Pegasus system to the device will appear in the Command History dialog box as shown in the image:

Select one or multiple commands to send to the device by enabling the check box available for each command. Once the selection is done click Send Commands button and Pegasus system will send the selected commands one by one to the unit. Status of the command could be checked in [Status Grid](#) under General tab of the Communicate to Device.



Show Group

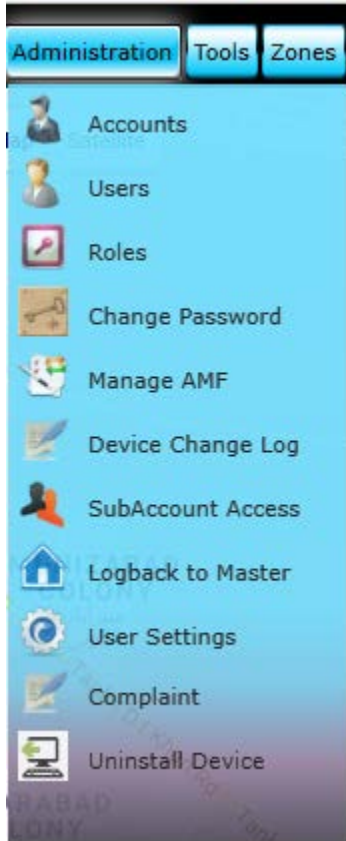
By default, Pegasus system shows only one selected device/ vehicle on the map that are under a Group. This is done to keep up the performance of the Pegasus system running on such machines which cannot handle much load. But if you want all of the device/ vehicles in a group to be displayed on the map select the option Show Group. Pegasus will display all the devices/ vehicles under a specific group as per their last received position as shown in the below image:



In the above image two devices/ vehicles under a group are displayed on the map (encircled in red) when Show Group option is selected.

Administration

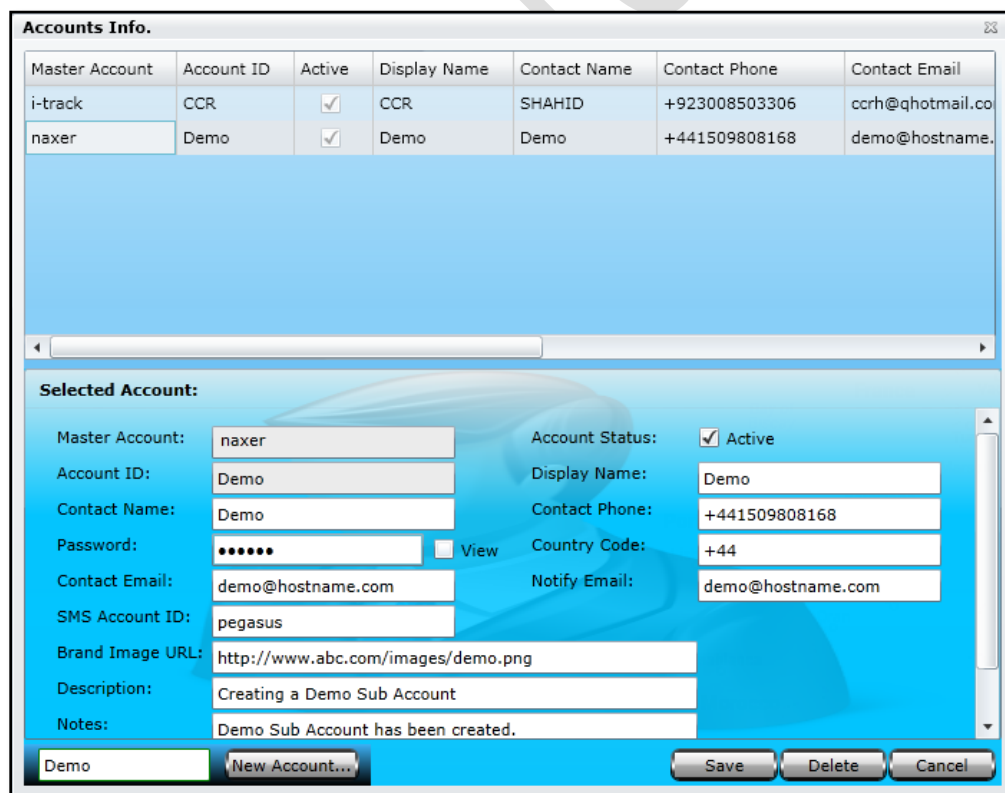
The management of Pegasus System is fulfilled through a special interface – Administration. It is specially designed for Pegasus System managers. Administration allows you to manage your tracking service by means of system macro objects which are accounts, users, roles and others. Because it's the Administrative part of the Pegasus system, Administration menu will only be visible and enabled to Master accounts and would not work for non-master accounts.



Accounts

Accounts is the administrative part of the Pegasus system where you can Create, Edit and Delete a sub account created under a Master account. Because it's the Administrative part of the Pegasus system, Accounts option will remain disabled to any user or non-master account. Account Detail dialog box can be accessed by pressing the Accounts option that appears when Administration button is clicked on the main GUI of the Pegasus system as shown in the below image:

Account Detail dialog box is divided into two segments; the upper part of the Account detail dialog box is called Accounts Information Grid where all the information of the sub accounts could be viewed which have already been added to the Pegasus



Master Account	Account ID	Active	Display Name	Contact Name	Contact Phone	Contact Email
i-track	CCR	<input checked="" type="checkbox"/>	CCR	SHAHID	+923008503306	ccrh@qhotmail.co
naxer	Demo	<input checked="" type="checkbox"/>	Demo	Demo	+441509808168	demo@hostname.

Selected Account:

Master Account: Account Status: Active

Account ID: Display Name:

Contact Name: Contact Phone:

Password: View Country Code:

Contact Email: Notify Email:

SMS Account ID:

Brand Image URL:

Description:

Notes:

system. The rest of the part is meant to add information of a new sub account or edit any existing sub account information. Let's create a new sub account and we will go through all the input boxes in detail.

First, we should have an Account ID, to do this enter a suitable Account ID in the text box available at the bottom of the Account Detail dialog box and click the button New Account. When the New Account button is clicked notice that the same will appear in the text box labelled as Account ID in the Account Detail Form. Now it's time to fill in the rest of the fields as described below:

A. Master Account

Master Account will automatically be populated by the Pegasus system. It will be the same Master Account with which one has logged-in into the Pegasus System to create the sub account.

B. Account Status

Account Status check box is enabled by default, otherwise a sub account will be created at the end but account user will not be able to login to the Pegasus system.

C. Account ID

Account ID will appear automatically once you enter account ID in the text box available at the bottom of the Account Detail dialog box and clicking New Account.

D. Display Name

Enter a suitable and a meaningful Display Name. It will appear on the main GUI of the Pegasus system next to the applied logo.

E. Contact Name

Enter the name of the contact person for which a sub account creation is underway.

F. Contact Phone

Enter the contact number of the person for which a sub account creation is underway.

G. Password

Enter the password for the newly created sub account.

H. Country Code

Enter the correct country code as this impacts the complete working of Pegasus system. Ex. +44 (UK) or +1 (USA).

I. Contact Email

Enter the email address of the person for which a sub account creation is underway.

J. Notify Email

Enter a secondary email address of the person for which a sub account creation is under way.

K. Brand Image URL

Enter the hyperlink of an image to represent the brand of the master account user.

L. Description

Enter a short description about the sub account.

M. Notes

Write any special Notes in this field, these notes could be related to the sub account or about a specific customer with special privileges.

Once all the fields are filled with appropriate information or any sub account is edited, click the Save button to save the information into the Pegasus system database otherwise changes will not take any effect.

Now you can log on to Pegasus system using the credentials of the newly created sub account but remember the Account & User will now be Demo i.e. same as Account ID. Now new users, devices and other tasks could be performed same as could be done under a Master Account.

Note: Further accounts/ sub accounts could not be created under a Sub Account.

If any sub account is required to delete, select the required sub account from the Account Detail Grid and click the Delete button. A warning message will appear and clicking OK button will delete the selected account instantly. Be careful when deleting a sub account as there is no way to undo it. Click Close button to close the Account Detail dialog box.

Users

Users is the administrative part of the Pegasus system where you can Create, Edit and Delete a user account under a Master account or Super User (such User account which have Account Administration privileges but it's not a Master account). Because it's the Administrative part of the Pegasus system, Users option will only be enabled to Master account or to Super User and will be disabled to any other user. Users Information dialog box can be accessed by pressing the Users option under Administration button on the main GUI of the Pegasus system as shown in the image:

Account	User ID	Contact Name	Phone	Email	Active	Last Login Time
naxer	adeel				<input checked="" type="checkbox"/>	1/1/0001 12:00:00
naxer	adnan				<input checked="" type="checkbox"/>	1/1/0001 12:00:00
naxer	amad				<input checked="" type="checkbox"/>	1/1/0001 12:00:00
naxer	demo2606				<input checked="" type="checkbox"/>	1/1/0001 12:00:00
naxer	fuad	Fawad Mahmood	923458401558	fuad.malik@naxertech.com	<input checked="" type="checkbox"/>	1/1/0001 12:00:00
naxer	itrack	Mr. Zafar			<input type="checkbox"/>	1/1/0001 12:00:00
naxer	Javaid				<input checked="" type="checkbox"/>	1/1/0001 12:00:00
naxer	master	M3232			<input checked="" type="checkbox"/>	1/1/0001 12:00:00
naxer	nofil				<input checked="" type="checkbox"/>	1/1/0001 12:00:00
naxer	NTUser				<input checked="" type="checkbox"/>	1/1/0001 12:00:00
naxer	owner1122				<input checked="" type="checkbox"/>	1/1/0001 12:00:00
naxer	shahbaz				<input checked="" type="checkbox"/>	1/1/0001 12:00:00
naxer	shahnawaz				<input checked="" type="checkbox"/>	1/1/0001 12:00:00
naxer	super	Super User			<input checked="" type="checkbox"/>	1/1/0001 12:00:00
naxer	tayyab	Muhammad Tayyab	+923214313342	muhammad.tayyab@naxertech.com	<input checked="" type="checkbox"/>	1/1/0001 12:00:00
naxer	Test				<input checked="" type="checkbox"/>	1/1/0001 12:00:00
naxer	UDLDLHE	UDLDLHE		a.karim@udld.bi	<input checked="" type="checkbox"/>	1/1/0001 12:00:00
naxer	DEMO				<input checked="" type="checkbox"/>	1/1/0001 12:00:00

DEMO Create User... Edit User Delete User Close

User Details.

Users Information dialog box shows basic information of all the user accounts which have already been added to the Pegasus system by a Master Account or a Super User. Let's create a new user account and we will go through all the options in detail.

First, we should have a User ID, to do this enter a suitable User ID in the text box available at the bottom of the Users Information dialog box and click the button Create User. When Create User button is clicked a new User Form will appear on the screen and notice that the same ID will appear in the text box labelled as User ID in the User Form. Here you can fill in the information related to a user and manage its rights as shown in the image:

The screenshot shows the 'User Detail' dialog box with the following fields and options:

- Account ID: demo
- User ID: DEMO
- Password: [masked] View
- Device ID: [empty] Search...
- Email: demo@naxertech.com
- Description: Demo User
- Notes: Demo User
- Account Status: Active
- User Name: Demo
- Phone: [empty]
- Group: Demo Group (dropdown)
- Role: viewer (dropdown)
- Max Rights button

Permissions section:

- Account Administration: Write/Edit (dropdown) Default is ['None']
- User Administration (All users): New/Delete (dropdown) Default is ['None']
- User Administration (ACL access): Write/Edit (dropdown) Default is ['None']
- User Administration (Group): Write/Edit (dropdown) Default is ['None']
- Device Administration: New/Delete (dropdown) Default is ['Read/View']
- Device Administration (Delete): Write/Edit (dropdown) Default is ['Read/View']
- Device Administration (Commands): Write/Edit (dropdown) Default is ['None']
- Device Security(Arm,AutoArm,TimeArm): Write/Edit (dropdown) Default is ['None']
- Device Profile Administration: New/Delete (dropdown) Default is ['None']
- Geozone Administration: New/Delete (dropdown) Default is ['Read/View']
- POIs: Write/Edit (dropdown) Default is ['None']

Buttons: Save, Cancel

Account ID will appear automatically and it will be the same Account name with which you are logged in to the Pegasus.

Account Status: By default, the user account will be enabled as Active. Disabling this check box will deactivate the user account.

User ID will appear automatically once you entered the User ID in the text box available at the bottom of the Users Information dialog box and clicking Create User.

User Name: Enter the name of the user for which the user has been created.

Password: Enter the password for the user account. Enable the checkbox labeled as View to view the characters of the password.

Phone Number: Enter the contact number of the user.

Device ID: A user could be assigned multiple vehicles from different groups that exists under a Master account. A list of vehicle's names appears with check boxes, to select the vehicles, in a drop-down list box labeled as Device ID.

Group: Select a group, if a user is required to manage and look after a specific group of vehicles added to the Pegasus system. Group dropdown list box will show all the groups that exist under a Master account. To detach the user from the assigned group click Remove Group button available next to the Group dropdown list.

Email: Enter the email address of the user.

Role: Select a role from the dropdown list. Please note that here only those roles will appear which are created under Roles. *(Discussed in detail later in the manual)*. To detach the role click Remove Role button available next to the Role dropdown list.

Description: Enter a short description about the user.

Notes: Enter any special notes the user if required.

Note: *In case if multiple groups exist under a Master account or Super User, make sure at least one of the group is selected otherwise Pegasus system will assign all the groups to the newly created user.*

Max Rights: For supper user click on Max Rights button. A confirmation window will appear for maximum rights indication. Clicking it's OK button will close the dialog box and will set all the rights to maximum. Clicking Cancel button will close the dialog box and will not impact any change in the rights.

Note: *If a specific Role is applied to a user, Max Right will not take any effect.*

A sub user account can also be created by a Master Account or a Super User (which is restricted to a group of vehicles). A newly created user under such Master Account or Super User will also be restricted to the same group. In this way a Master Account or Super User for the group will be able to manage all the users for that group.

Create a user with default settings of rights or assign a predefined role, available if any, and assign a Group. If there are multiple groups under a Master Account or Super User then a list of all available groups will be displayed from which any one of the group could be assigned. If there is only one group that exists under a Master Account or Super User then the same group will be assigned to the newly created user by default. This newly created user will only be restricted to the assigned group only.

Roles



Roles is basically a centralized rights management module. Here you can create a Role and assign rights to it and then later on these Roles can be assigned to a user created under the User module of the Administration. This helps in saving time to assign rights each time a user of the same categories created under User module of the Administration. Just select the role from the dropdown list labeled as Role under User Form in the User module of the Administration.

Roles option will only be enabled to Master accounts or a User account having rights to Add/Edit only. This option will be disabled to any such user which does not possess proper rights or non-master account. Roles Information dialog box can be accessed by clicking the Roles option under Administration button on the main GUI of the Pegasus system as shown in the image:

First we should have a Role Name, to do this enter a suitable Role Name in the text box available at the bottom of the Roles Information dialog box and click the button New Role. When the New Role button is clicked a Role Access Control List will appear on the screen and notice that the same Role Name will appear at the top of the Role Access Control List. Here you can select the proper options for a role to be created. At the moment we are creating a role of an Administrator and will assign the rights to this role as shown in the below image:



User Administration (All Users) This option enables the role to administer (*i.e. Add, Edit or Delete*) any user of a Master account.

User Administration (ACL Access)

User Administration (Group) Enables the role to admin (*i.e. Add, Edit or Delete*) the users of a group that are created in Pegasus.

Device Administration Enables the role to admin (*i.e. Add, Edit or Delete*) the Devices that are added to the Pegasus system.

Device Administration (Commands) Enables the role to send the commands, except security commands, to installed devices in Pegasus.

Device Security (Arm, Auto Arm, Time Arm) This option enables the role to send Security Commands to the installed devices in Pegasus.

Device Profile Administration

Geo Zone Administration This option enables the role to administer (*i.e. Add, Edit or Delete*) the Geo Zones (Polygonal & Route zones).

POIs It enables the role to admin (*i.e. Add, Edit or Delete*) all the POIs.

Customer Administration will be Enabled to admin (*i.e. Add, Edit, Delete*)

SIM Administration It enables the role to admin (*i.e. Add, Edit or Delete*) the SIMs that are added to the Pegasus system under SIM Management.

Vehicle Administration Enables the role to admin (*i.e. Add, Edit, Delete*) vehicles that are added to the Pegasus under Vehicle Management.

Group Administration Enables the role to admin (*i.e. Add, Edit or Delete*) the Groups that are created in the Pegasus under Groups Management.

Group Command Administration This to send commands to vehicles that are under a group created in the Pegasus under Group Management.

Change Password For any user under any Master account

Function	Permission	Default
System Administration:	Write/Edit	Default is ['None']
Device Map Display:	Read/View	Default is ['Read/View']
Device Map (Auto Update):	Read/View	Default is ['Read/View']
Fleet/Group Map Display:	Read/View	Default is ['None']
Fleet/Group Map (Auto Update):	Read/View	Default is ['Read/View']
Reports:	Read/View	Default is ['Read/View']
Communication Log:	Read/View	Default is ['None']
Devices Alerts:	Write/Edit	Default is ['None']
Device Fuel Entries:	Write/Edit	Default is ['None']
Manage Notifications:	Write/Edit	Default is ['None']
Manage AMF:	Write/Edit	Default is ['None']
Action Log View:	Default	Default is ['None']
Edit Places Names:	Write/Edit	Default is ['None']
Manage shipments:	New/Delete	Default is ['None']
Fault Management:	Write/Edit	Default is ['None']
Dashboard:	Read/View	Default is ['None']
Medical Rescue:	Write/Edit	Default is ['None']

System Administration Enable/Disable System administration rights

Device Map Display Enables to display/ locate the selected vehicle on map.

Device Map (Auto Update) Enables to auto update map for selected vehicle.

Fleet/ Group Map Display Enables to display/ locate selected group on map.

Fleet/ Group Map (Auto Update) Enables auto update map group selection.

Reports Enables the role to generate all the reports of Pegasus System.

Communication Log Enabling log for device communication

Devices Alerts Enables for live monitoring with buzzers

Device Fuel Entries Enables the role to enter the fuel records of a specific device under Fuel Entries in the Pegasus system.

Manage Notifications Enables the role to administer (i.e. Add, Edit or Delete) the Notifications engine.

Manage AMF Enables role to admin Edit dates for annual monitoring fee.

Action Log View Enables role to admin (i.e. Add, Edit or Delete)

Edit Places Names Enable role to Admin (i.e. Add, Edit or Delete) to edit and corrections

Manage Shipments role to admin for management of New/Old shipment

Fault Management:

Dashboard:

Medical Rescue:

Change Password

Click on Change password from Administration menu

Pegasus gives privilege for privacy. You can change existing password anytime by using Standards of password change. First give current password and then apply your desired one with confirmation.

Manage AMF

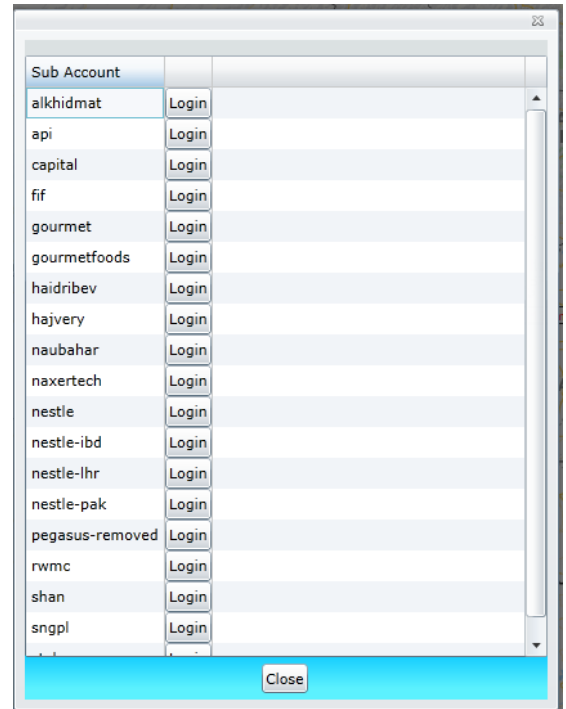
Click on the vehicle in device panel and then select Manage AMF from Administration menu.

Fill AMF due date. AMF Paid will need to be filled once you received payment. Weekly payment reminder via SMS can be also sent to clients, for this privilege please contact Engineering department of NaxerTech.

Sub Account Access

This is an administrative part of Pegasus. You can manage administrator account with its multiple sub accounts in Pegasus.

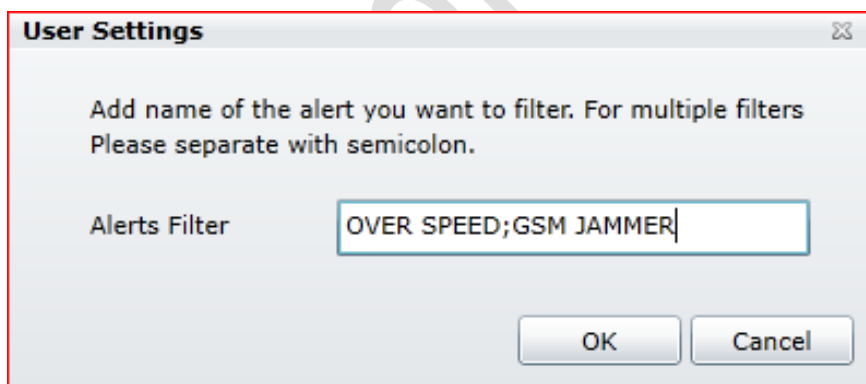
Click on Sub Account access and you will find all the save account list. You only need to click on login and it will give you access to sub account devices/vehicles.



Log Back To Master

Pegasus offers different level of groups to manage. If you are dealing with sub groups and want to quick exit from it you can us this feature. If you are not in sub group then it will notify you “You are not logged in Sub account “

User Setting



This is an important tool for live monitoring. Pegasus gives alerts violation intimation in information grid of its bottom of main GUI. i.e. No power alert, Geo Zone, Over Speed, GSM Jammer, back door opened, outside route ...etc.

You can filter such alerts which you or your company think that these are not important. For sample please see in the image:

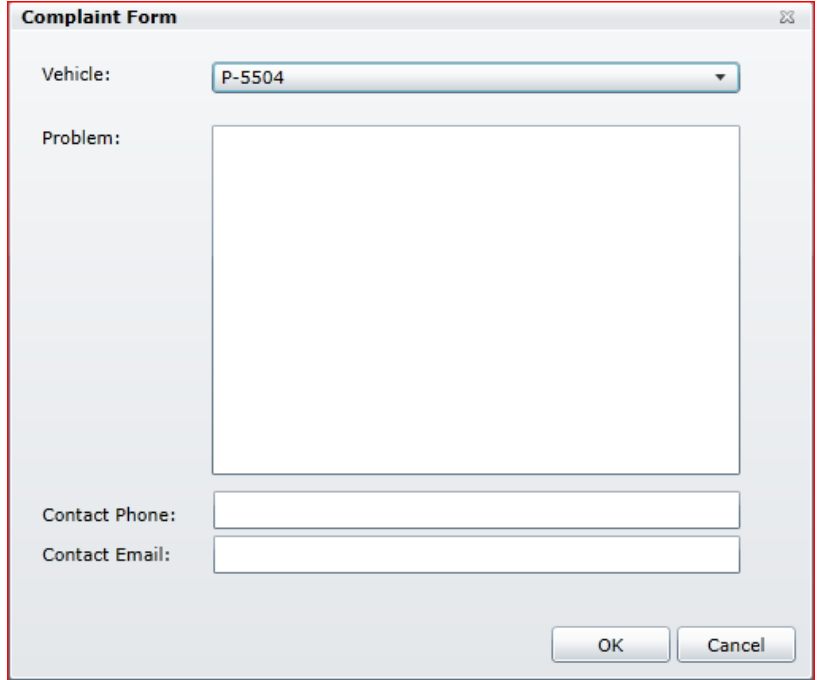
Complaint

Complaint is a very useful tool in Pegasus system. Through complain form you can well manage your large fleet and can fix the problem with its logs.

Vehicle You only need to select vehicle from drop down list and mention its problem. Pegasus will automatically get its further details i.e. what account, group this vehicle belongs to.

Contact phone: would be customer or concerned number.

Contact Email: Mention email here of the concerned department such as support@naxertech.com



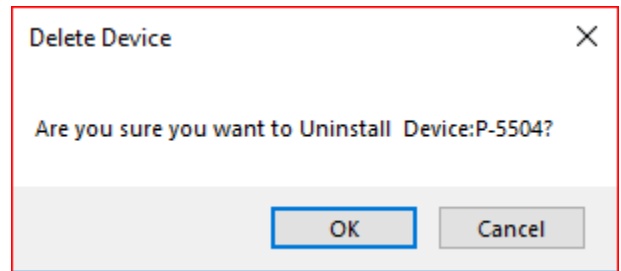
The screenshot shows a 'Complaint Form' dialog box. It features a title bar with the text 'Complaint Form' and a close button. The form contains the following fields: a 'Vehicle:' dropdown menu with 'P-5504' selected, a 'Problem:' text area, a 'Contact Phone:' text box, and a 'Contact Email:' text box. At the bottom right, there are 'OK' and 'Cancel' buttons.

Uninstall Device

To remove unwanted devices from Pegasus System. You need to select vehicle from device panel, click on the main menu of **Administration** then select **Uninstall Device** option.

It will ask for confirmation and if you select OK, you will not find that vehicle anymore in Pegasus.

Note: This will remove it permanently and would not be undo or revert.



The screenshot shows a 'Delete Device' dialog box. It features a title bar with the text 'Delete Device' and a close button. The main text asks 'Are you sure you want to Uninstall Device:P-5504?'. At the bottom, there are 'OK' and 'Cancel' buttons.

Tools

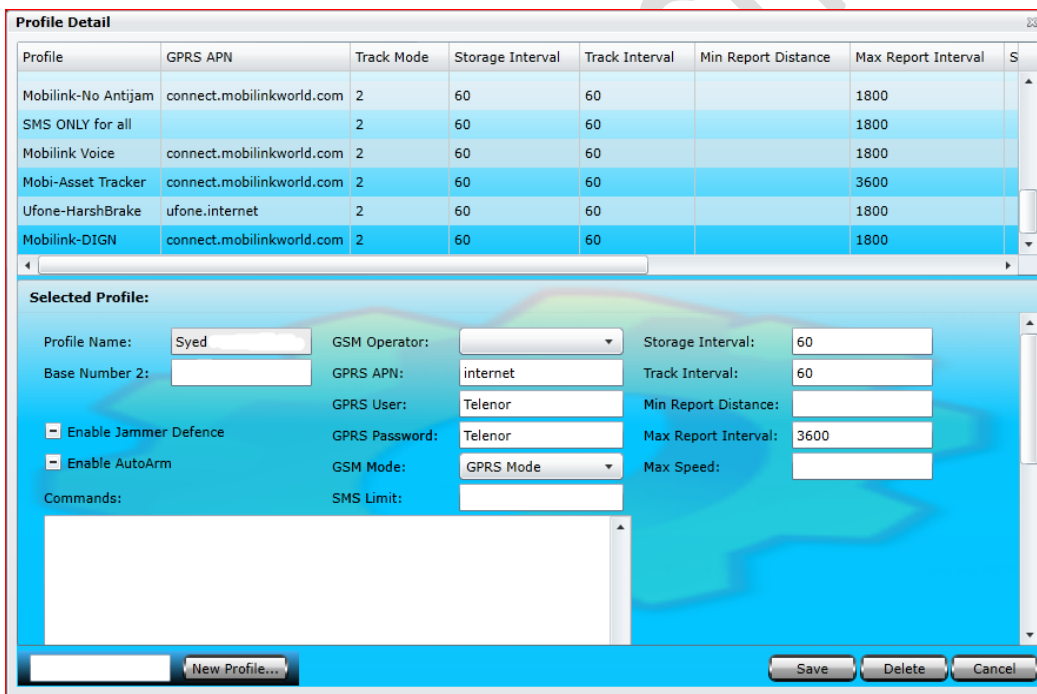


The management of Pegasus System is fulfilled through a special interface – Tools. It is specially designed for Pegasus users for their Advance solutions needs, which allows you to manage your Device Profiles, Attaching Driver and Camera Gallery features, Tools tab will only be operational to Master accounts only and will not be visible to any other user not having sufficient rights or non-master account.

Clicking the Tools button located on the main GUI of the Pegasus system provides you options of Device Profiles, Attach Driver, Camera Gallery, Faults Management, KML Overlays, Medical Rescues and Fuel Entries. Let's discuss all these options in detail and how it facilitates the Pegasus user.

Device Profiles

The next step is to exercise the Profile functionality of the Pegasus system. Profile is the place where you can create your own new profile or edit any existing profile. Profile is based on the basic settings that you set and which works as a road map for your tracking device like the base number for it to report, which are the authorized contact numbers that your tracking device should report to, which GSM network to use for GPRS connection and many more as shown in the below image.



Profile dialog box is divided into two segments; the upper part of the Profile dialog box is called Profile Grid where all the settings of a profile can be viewed. The rest of the part is meant to create a new profile of your own choice or edit any profile. Let's create a profile and we will go through all the input boxes in detail.

First, we should have a Profile ID, to do this enter a suitable Profile ID in the text box available at the bottom of the Profile dialog box and click the button New Profile. When the New Profile button is clicked notice that the same Profile ID will appear in the Profile ID text box next to the Account ID. Now it's time to fill in the rest of the fields as described:

A. Profile Name

Profile Name will appear once you enter a suitable profile name in the text box available at the bottom of the Profile dialog box and clicking New Profile button.

B. Base Number

Enter the base number first provided by GSM operator.

C. Enable Jammer Defense

Enabling this option will engage NTT-101's GSM Jammer Counter measures when device detects any GSM jammer nearby. Enabling this option here in profile will allow you to apply this security mode to all or selected vehicles when initialized.

D. Enable Auto Arm

Enabling this option will enable the Auto Arm feature of the device. Enabling this option here in profile will allow you to apply this security mode to all or selected vehicles when initialized.

E. GSM Operator

Select the GSM Operator from the dropdown list.

F. GPRS APN

GPRS APN is SIM Access Point Node which is required to connect the tracking device to the GPRS using local GSM network. For this purpose, please contact the GSM operator of the SIM that you are using in the tracking device.

G. GPRS User

Enter the GPRS User name required to start a GPRS session of the SIM that is in your tracking device. Contact the GSM operator of the SIM that you are using in the tracking device.

H. GPRS Password

Enter the GPRS Password required to start a GPRS session of the SIM that is in your tracking device. Contact the GSM operator of the SIM that you are using in the tracking device.

I. GSM Mode

Set the GSM Mode to any option available out of five different options as per your own choice.

Setting GSM Mode to SMS Mode will set the device to use SMS service only as a communication medium to send the Locations, Alerts and Other data to Pegasus system and authorized contacts.

Warning: This generates a large number of SMS from device and should be used only when no GPRS connection is available or desirable.

➤ GPRS-SMS Mode 1

Setting GSM Mode to GPRS-SMS Mode 1 will set the device to use SMS service as a communication medium when **GPRS is not connecting** to send Locations, Alerts and other data to Pegasus system and authorized contacts. This mode can also generate a lot of SMS if device is out of GPRS coverage for long time.

➤ GPRS-SMS Mode 2

Setting GSM Mode to GPRS-SMS Mode 2 will set the device to use SMS service as a communication medium when **GPRS is not connecting** to send Alerts only to Pegasus system and authorized contacts.

➤ GPRS-SMS Mode 3

Setting GSM Mode to GPRS-SMS Mode 3 will set the device to use SMS service as a communication medium when **GPRS is not connecting** to send Alerts only to Pegasus system. Pegasus system will then send those alerts to authorized contacts.

➤ GPRS only Mode 4

This will set the device to use GPRS service only as a communication medium to send Locations, Alerts and Other to Pegasus system. Pegasus will send, receive Locations, Alerts and Other data to authorized contacts in an SMS. No SMS will be sent from the device. This mode should be used when SMS usage is expensive and undesired.

Warning: If GPRS is unavailable in the GSM network for any reason then there will be no communication from device except No Power Alert. You need to lower GSM Mode in that case if you need reply from device.

J. GPRS Online Interval

Enter the time interval to keep the GPRS session alive. This is in minutes. Device will refresh session after this number of minutes with server.

This will increase GPRS traffic and should be used only if persistent GPRS session is vital.

K. SMS Limit

Enter the SMS limit to limit the number of SMS sent by the device. When this limit will be reached, device will switch to GPRS only mode (4) and no further SMS will be sent until the limit is reset.

Please refer to “Tracking Commands” section in NTT-101 Commands Document for detailed discussion of following fields.

L. Track Mode

Select a suitable Tracking Mode from the dropdown box, by default Store and Upload Location is set.

M. Storage Interval

Set the Storage Interval as per the Tracking Mode selected.

N. Track Interval

Set the Tracking Interval as per the Tracking Mode selected.

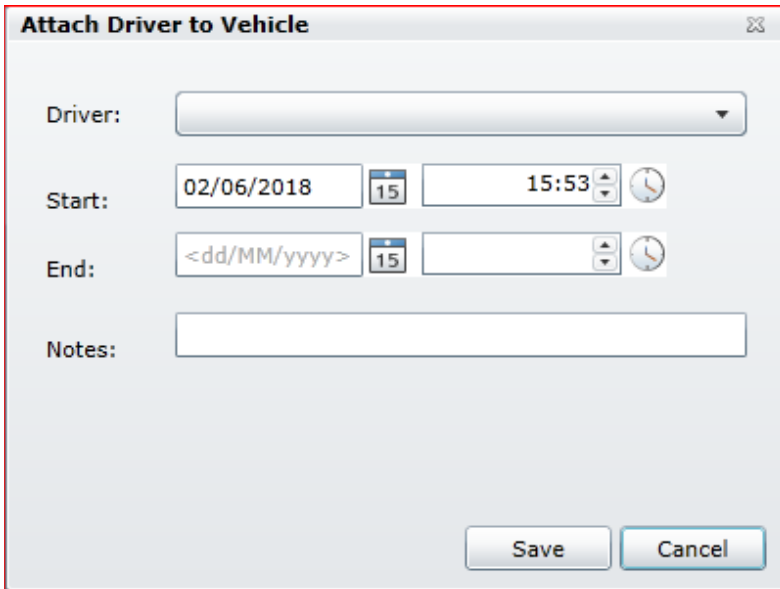
O. Min Report Distance

Set the distance (*in meters*) for the device after which it should send its location. Device will not send its location until it did not travel or more than the specified distance.

P. Max Speed

Set the Max Speed in meters, it is useful in case where the tracking device detects that the vehicle is going beyond the Max Speed set, tracking device will send an alert to Pegasus system.

Attach Driver

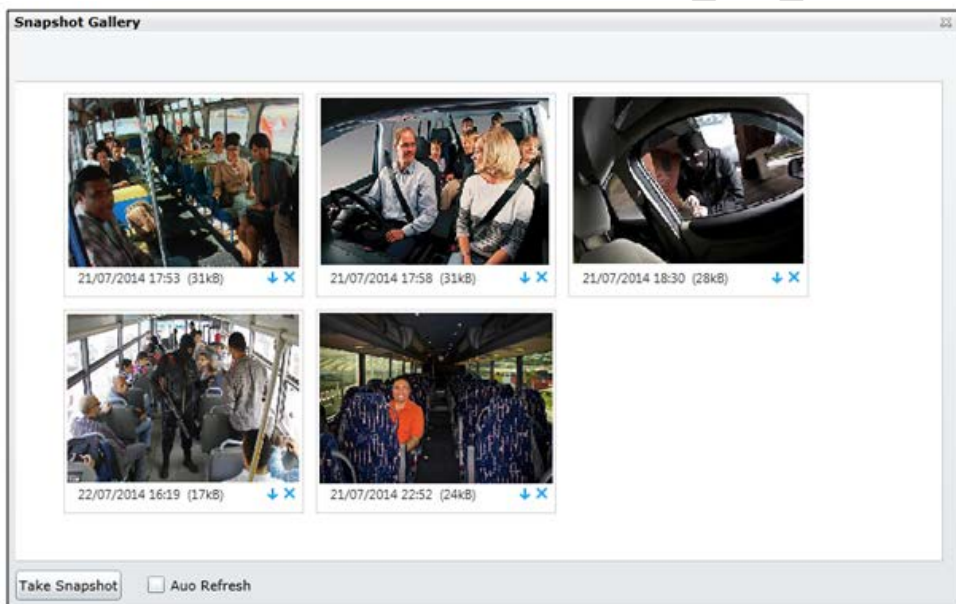


The 'Attach Driver to Vehicle' dialog box contains the following fields:

- Driver:** A dropdown menu.
- Start:** A date picker set to 02/06/2018 and a time picker set to 15:53.
- End:** A date picker set to <dd/MM/yyyy> and a time picker.
- Notes:** A text input field.
- Buttons:** 'Save' and 'Cancel' buttons at the bottom right.

Attaching a driver to vehicle is just a click away. Just click and select driver for vehicle and then update their Start and End timings on the Attach Driver in the Tools as mention in image.

Camera Gallery

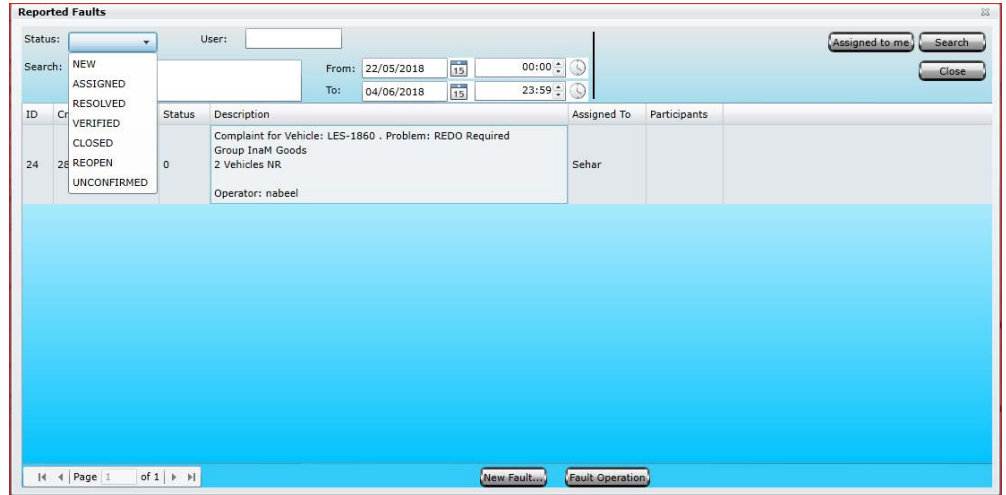


Select the option Camera Gallery which appears on clicking the Vehicle button available on the main GUI of the Pegasus system. Clicking Camera Gallery will open up a Snapshot Gallery which contains taken images.

This dialog box contains a Take Snapshot button & Auto Refresh option at the bottom as shown in the image above. Snapshots could be taken, viewed and downloaded from the Pegasus system. An image of the Snapshots Gallery is shown the below:

Faults Management

Pegasus provides complete mechanism for what type of faults are reporting and who is dealing with reported faults. You can assign these faults fixing to concerned departments and can chase it until it's not fixed. Reported Faults are the advanced form of [Complaint](#) which we discussed earlier. Here we can elaborate Reported faults in details,



Status: You can search reported faults by their recent status. By clicking on Status option, a drop-down menu will be opened and will give your following options to select:

- **New:** Show you only the newly reported problems, on which no action would be taken yet.
- **Assigned:** Those faults which are assigned to concerned department or a person will be show under this option
- **Resolved:** It will list down resolved problems logs according to set dates.
- **Verified:** Only verified reported faults will be shown according to set criteria with-in desired dates.
- **Closed:** Faults which are fixed and went into closed stat can be shown with this filter.
- **Reopen:** Reopen case can be seen under this filter.
- **Unconfirmed:** Unconfirmed or unassigned reported cases can be view with in desired dates.

User: Reported faults can be search by User Name.

logged in User to fix. However, you can assign fault to given list of users and keep updating others in participants.

ID: This represents numbers of reported faults in figures.

Created On: Mentioned date of reporting.

New Faults: New fault reporting can be done by this button. A new window will pop up for basic information of the fault / problem which can be describe in below image.

Status: Current status of reported fault.

Description: Description of reported fault.

Assigned To: This will show assigned person, who would be responsible to fix this problem

Participant: List of participants which can actively play role to sort out the fault or even well updated regarding it. #

Assign to me: This option depends on privilege assigned in Pegasus system. This is a shortcut to assign a fault to currently

Medical Rescue

This module is specially designed for Medical Rescues and emergency services. Pegasus can manage all the emergency queries, give you options for assigning next available vehicle and maintain its logs.

There are two parts of this module, one is to see the existing record for rescue queries and second belongs to generate a rescue activity.

Here we would discuss all its options in detail.

Vehicle	Date	Centre	Type	Major	Description	Place
	04-Jun-18 7:13:06 AM	h	Medical	False	h	

Vehicle: Select vehicle from the available list and click on Assign Vehicle to assign a job to particular device.

Search: It will search assigned job for your requested dates that would be mentioned in From and To calendar boxes.

Order ID: You can search assigned job by order ID

Load Latest Entries: Regardless of dates, you can find out most recent job entries by using this tab.

Vehicle: Vehicle Registration number will show here.

Selected Emergency

New Emergency: There is button available at bottom of the dialog box to create form against a new emergency

ID: This is identification number which is given to emergency queries in ascending order.

Description: Description of the queries can be mentioned in this box.

Place: Enter the name place where incident is happened and your emergency service is aiming to help out.

Caller Name: To avoid fake calls, its very basic to add caller name for further record.

Centre: Multiple centres can be managed and you can select rescue queries along with centre information.

Major: This intimates the level of rescue either a major one on large scale or low-density accidents.

Description: It will show further details of Rescue activity with vehicle information.

Place: Name of the place where this rescue operation is being held.

Type: what type of emergency is to be declared either medically, fire or flood

Caller Contact: To get the caller contact number for further reference and to avoid fake calls

Centre: Enter the rescue centre name

Vehicle: Put the vehicle registration number.

Created by: Enter the name of the person, who initially deal with the emergency query

Fuel Entries

Pegasus system allows saving the fuel filled in a vehicle. Selecting this option, Pegasus system will open a Fuel Entry dialog box. Fuel Entry dialog box is divided into the two halves, upper half of the dialog box is called Fuel Entry Information Grid where all the information for previously entered fuel entries can be viewed. Whereas other half is to add new fuel entry to the Pegasus system as shown in the image:

To add a new Fuel Entry to the Pegasus system, click New Fuel Entry button and a blank Fuel Entry form will be displayed. Now it's the time to fill the Fuel Entry form fields as described below:

Fuel Quantity	Fuel Cost	Fuel Type	Date	Tank Full
0		0	01/01/1970 05:00	-

Current Fuel Entry:

Fuel Quantity: 0 Fuel Cost:

Date: 06/06/2018 15:10:57

Fuel Tank: Full Odometer:

Filling Station:

Reference:

Fuel Type: Petrol/Diesel

New Fuel Entry... Save Delete Cancel

A. Fuel Quantity

Enter the amount of fuel filled in the vehicle. The unit of Fuel Quantity is in liters.

B. Fuel Cost

Enter the cost of the fuel per liters. This field is irrespective of the currency unit in your country so add the cost in figures only.

E. Odometer

Enter the reading of the Odometer from the vehicle's odometer at which the fuel was filled.

F. Filling Station

Enter the name of the Filling Station from where the fuel was filled. *(Optional)*

C. Date and Time

Select the date and time of purchase of the fuel from the associated calendar.

D. Fuel Tank

Enable the check box if the fuel tank is filled full.

G. Reference

Enter any reference related to the fuel filled. *(Optional)*

H. Fuel Type

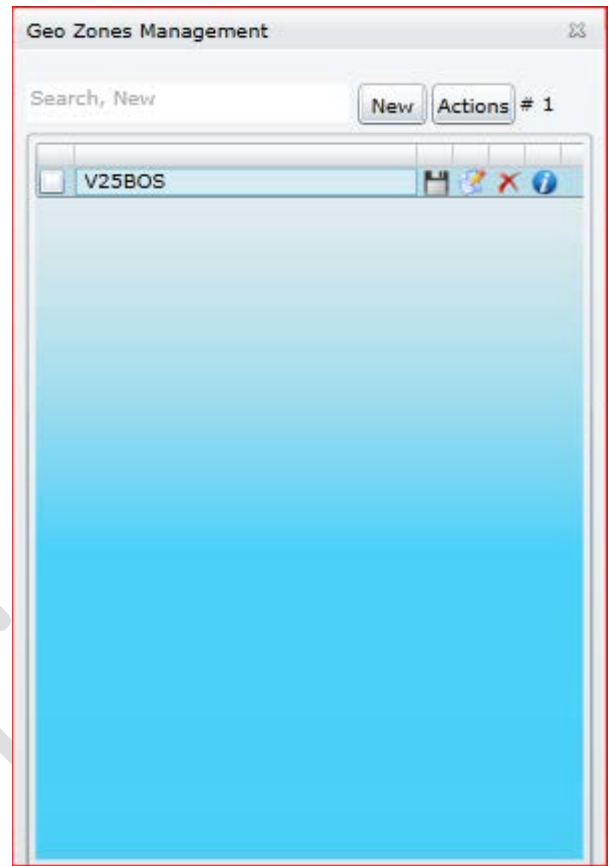
Select the type of the fuel purchased i.e. Petrol/ Diesel or CNG/ LPG

Geographical zone is some area on the map that is important for your tracking purposes. Geofences can be used to control unit activity in these areas or, on the contrary, outside them. Zones button provides two options to set Geo zone and POIs (Points of Interest) for your unit/ vehicle.

A. Geozone

Pegasus system offers two types of Geo zones: Polygon Zone and Route Zone. A Polygon Zone can be defined around any reference point whereas Route Zone can be on a route to track a unit/ vehicle. Movement of vehicle in and out of that Zone (Polygon or Route) will generate an alert.

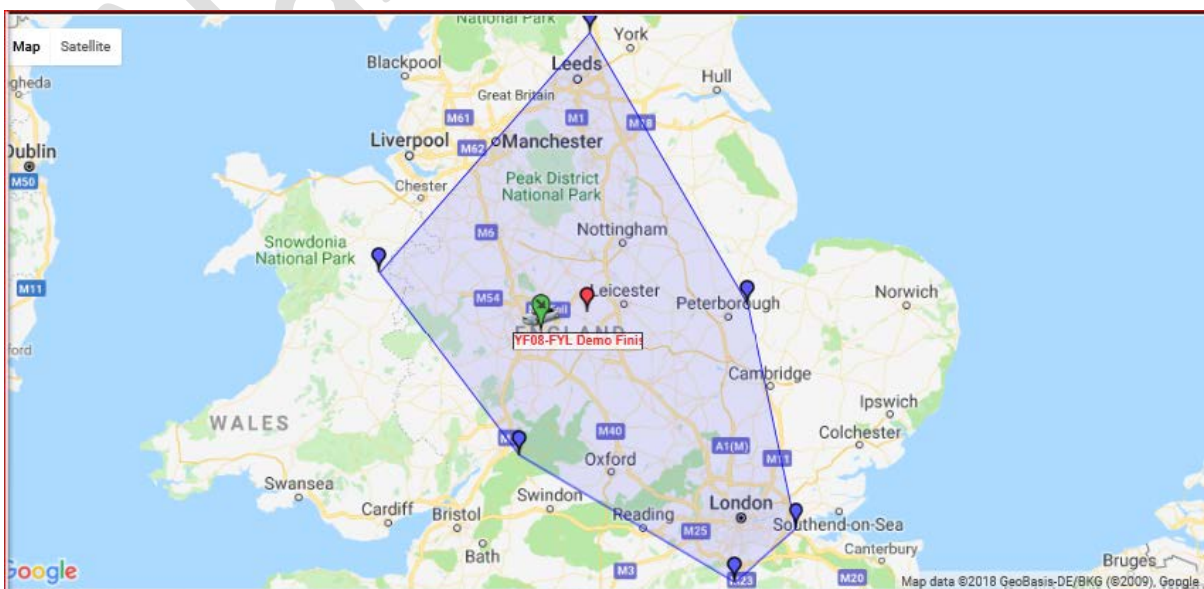
Geo zone window appears on screen by clicking the Zones button available on the main GUI of the Pegasus system (overlapping the Devices Panel). Geo zone window is divided into two main portions; upper half of the window is for Polygon Zone whereas the other half is for Route Zone. A sample image of the Geo zone Window is shown below:



To create a Polygon Zone for a Unit/ vehicle follow the given below simple steps:

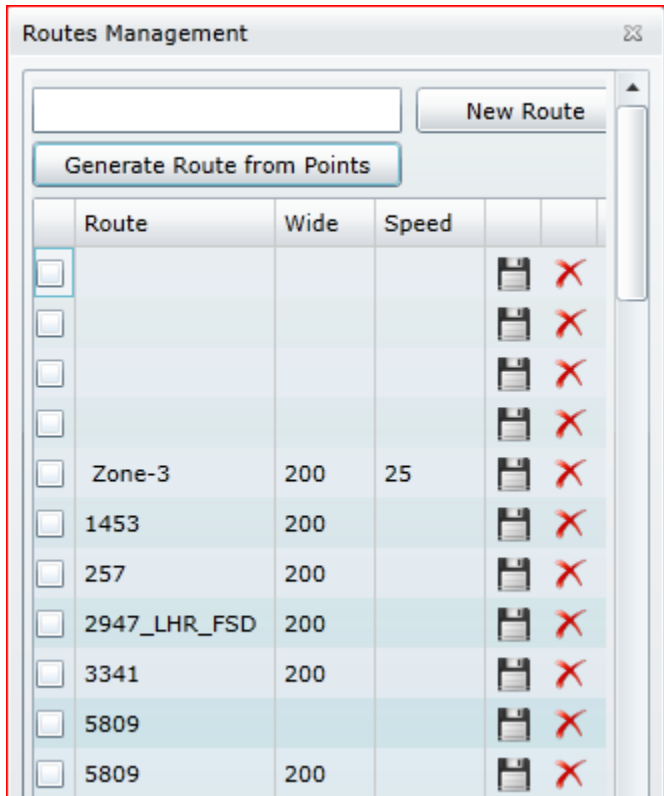
- A. Type in a suitable name in the text box labeled as Geo Zone ID and click New Polygon Zone button.
- B. The name will appear in the list of the Polygon Zones, select the newly created polygon zone.
- C. Now it's time to define a zone on the map, zoom in to the location where you want to specify the zone.
- D. Double click to add a marker to zone.
- E. Drag a marker to change location.
- F. Right click a marker to remove.
- G. Drag the red marker to move the entire zone.
- H. Once the Zone is defined click Save icon available next to the newly created Polygon Zone in the list.

POIs lying inside a GeoZone can now be exported to Excel file. Use Actions in Geo Zone Window. A sample image of a Polygon Zone around the London city is as below:



Routes

Route Zone is to create a Route Zone for a unit/ vehicle, follow the given below simple steps:



Type in a suitable name in the text box under Route Zone and click New Route Zone button.

The name will appear in the list of the Route Zones, select the newly created route zone.

Now it's time to define a route on the map, zoom in to the location from where you want to start the route.

Double click on the map to add a marker from the start of a route to the end.

Drag a marker to change the location.

Right click on a marker to remove.

Once the route has been defined click Save icon available next to the newly created Route Zone list.

You can also generate route from points which could save lot of your labour. Simple click on this button and it will generate points from device history.

Note: If a specified zone is not saved, no marking will appear on the map when selected.

POIs (Points of Interest)

POI (Point of Interest) is a dataset containing GPS coordinates that represents interesting and important locations in navigation applications. The most popular POI categories are for example speed cams, accommodation locations, restaurants, petrol stations, parking lots, wifi hotspots, attractions, etc. POI contains the name and address of the Point of Interest, phone number in international format (that can be dialed from an appropriate navigation device), and of course geographic coordinates: latitude and longitude, Way points can also be added as POI. POIs lying inside a Geo Zone can be exported to Excel file.

Pegasus system allows user to insert POIs and also upload a suitable image of your own choice. To add a POI, follow the given below steps:

- A. Click the Zones button on the main GUI and a drop-down menu option will appear.
- B. Select POI and a POI dialog box will appear overlapping the Devices Panel.
- C. Double click the point on the MAP where POI is required.
- D. A dialog box will appear to save the POI, type in a suitable name and click Save button.
- E. Now it could be noticed that the POI which is just saved is now available in the list of POIs.

Find Nearest Vehicles

Pegasus system allows you to find the closest vehicle(s) to an area or to another vehicle in a fleet. It is a very useful feature to shave off re-routing time and increase efficiency by sending the closest available vehicle. By saving time on the road and reducing distances travelled, this feature can help to reduce your fuel bill as well. In addition to location data, our system provides current status and direction of the vehicles found within the specified radius.

Pegasus system provides two ways to find the nearest vehicle; one is to select a vehicle. Second is to pinpoint a location or provide latitude/ longitude.

To find the nearest vehicle, follow the given below steps:

- A. Click the Zones button on the main GUI and a drop-down menu option will appear.
- B. Select Find Nearest Vehicles and a dialog box will appear overlapping the Devices Panel.
- C. Select a vehicle from the drop-down list labeled as **To Vehicle** or input **Latitude/ Longitude** values or double click on the MAP to pinpoint a location (if latitude/ longitude values are not available) around which nearest vehicle needed to be found.
- D. Input values in the text box labeled as **Radius (KM)**. Notice a radius would be drawn around the selected vehicle or a location on the MAP in red color,
- E. Now click the button **Find Nearest** and MAP will be updated with the vehicles that are found within the specified radius.

List of all the vehicles found will appear in the grid below updated with the last location, ignition status, current odometer and Latitude/ Longitude of the vehicle.

A sample image of vehicles found nearest to a vehicle is shown below:

Device	Time	Address	Speed	Odometer	IGN	Alerts	Src	GPS	Attributes	Latitude	Longitude
GS2744-13	17 February 2014 15:12	6th Asafoatse Mankata Link, Accra, Accra Metropolis.	0	303898.834	<input type="checkbox"/>	<input type="checkbox"/>	GPRS	<input checked="" type="checkbox"/>		5.596215	-0.209385
GT7706-14	13 February 2014 18:41	Ghana Airways Avenue.	0	0.019	<input type="checkbox"/>	<input type="checkbox"/>	GPRS	<input checked="" type="checkbox"/>		5.594119	-0.182833
GS5673-12, BMC	17 February 2014 14:52	Ghana Airways Avenue.	0	3445.915	<input type="checkbox"/>	<input type="checkbox"/>	GPRS	<input checked="" type="checkbox"/>		5.594834	-0.18305
GC4771-09	16 February 2014 15:22		83	13.33	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GPRS	<input checked="" type="checkbox"/>		5.61233	-0.21269

Reports

Report dialog box could be accessed by pressing the Report button on the main GUI and a Report dialog box will appear in the middle of the Pegasus system as shown in the image:



Pegasus system offers a variety of report generation.

In numbers these are up to 36 types of reports which are increasing by the needs of our valued customers in upcoming versions of Pegasus.

Pegasus offers you to view reports in built in format (preferred) and also you can extract reports in Excel sheet. Here we will discuss them in detail.

Vehicle History Report

Vehicle History Report is a one of the comprehensive report, which provides history of the vehicle(s) upto last six months. By Clicking this report will open up a dialog box (*Image provided below*) which contains a dropdown list labeled as Device, where you can select a vehicle from the list available, specify Report Time Period which includes Date & Time range and click Get Report.

Device	Date Time	Status	Speed (km/h)	Milage (km)	IGN Status	Longitude	Latitude	Location
DEMO-118	08/06/2018 00:00	Driving	8.48	0.00	ON	-1.498	52.419	CV5 8HQ, Coventry, Coventry.
DEMO-118	08/06/2018 00:00	Idle	0.07	0.00	ON	-1.498	52.419	Coventry, Rugby District.
DEMO-118	08/06/2018 00:00	Idle	0.06	0.00	ON	-1.498	52.419	CV5 8HQ, Coventry, Coventry.
DEMO-118	08/06/2018 00:00	Driving	14.87	0.00	ON	-1.499	52.419	CV5 8HQ, Coventry, Coventry.
DEMO-118	08/06/2018 00:00	Idle	0.15	0.00	ON	-1.499	52.419	CV5 8HQ, Coventry, Coventry.
DEMO-118	08/06/2018 00:00	Idle	0.06	0.00	ON	-1.499	52.419	Coventry, Rugby District.
DEMO-118	08/06/2018 00:00	Idle	1.48	0.00	ON	-1.499	52.419	CV5 8HQ, Coventry, Coventry.
DEMO-118	08/06/2018 00:01	Idle	0.09	0.00	ON	-1.499	52.419	CV5 8HQ, Coventry, Coventry.
DEMO-118	08/06/2018 00:01	Idle	0.15	0.00	ON	-1.499	52.419	CV5 8HQ, Coventry, Coventry.
DEMO-118	08/06/2018 00:01	Idle	0.11	0.00	ON	-1.499	52.419	CV5 8HQ, Coventry, Coventry.
DEMO-118	08/06/2018 00:01	Idle	0.09	0.00	ON	-1.499	52.419	CV5 8HQ, Coventry, Coventry.
DEMO-118	08/06/2018 00:01	Idle	0.07	0.00	ON	-1.499	52.419	CV5 8HQ, Coventry, Coventry.
DEMO-118	08/06/2018 00:01	Idle	0.11	0.00	ON	-1.499	52.419	CV5 8HQ, Coventry, Coventry.
DEMO-118	08/06/2018 00:02	Idle	0.17	0.00	ON	-1.499	52.419	CV5 8HQ, Coventry, Coventry.
DEMO-118	08/06/2018 00:02	Idle	0.19	0.00	ON	-1.499	52.419	CV5 8HQ, Coventry, Coventry.
DEMO-118	08/06/2018 00:02	Idle	0.04	0.00	ON	-1.499	52.419	CV5 8HQ, Coventry, Coventry.
DEMO-118	08/06/2018 00:02	Idle	0.17	0.00	ON	-1.499	52.419	CV5 8HQ, Coventry, Coventry.
DEMO-118	08/06/2018 00:02	Idle	0.07	0.00	ON	-1.499	52.419	CV5 8HQ, Coventry, Coventry.
DEMO-118	08/06/2018 00:02	Idle	0.02	0.00	ON	-1.499	52.419	CV5 8HQ, Coventry, Coventry.

Get Report: This will extract report with your set parameters

Excel Report: You can extract report in Excel Sheet.

Schedule: You can schedule report on Monthly, weekly or daily bases. You can add multiple email addresses for scheduled reporting.

Vehicle History Report

This report provides detailed location history data of the selected vehicle

Vehicle:

Group:

Report Time Period:

From:

To:

Speed Graph
 Show On Map
 Locations

Trip Report

Device	Begin	End	Trip Time	Driving Time	Idle Time	Stop Time	Start KM	End KM	Distance	Start Location	Reached Location
LE82617	25/09/2013 00:00	25/09/2013 00:05	00:05:19	00:03:28	00:01:05	00:00:46	455,268.64	455,271.13	2.48	G.T. Rd, Gujar Khan Tehsil	G.T. Rd, Mandra, Punjab.
LE82617	25/09/2013 00:09	25/09/2013 00:09	00:00:33	00:00:00	00:00:00	00:00:33	455,271.13	455,271.16	0.03	G.T. Rd, Mandra, Punjab.	G.T. Rd, Mandra, Punjab.
LE82617	25/09/2013 00:49	25/09/2013 03:39	02:49:05	02:46:38	00:01:07	00:01:20	455,271.16	455,374.84	103.68	G.T. Rd, Mandra, Punjab.	Salabat Abad, Gujrat District.
LE82617	25/09/2013 03:54	25/09/2013 05:23	01:28:55	01:27:51	00:00:00	00:01:04	455,374.85	455,437.56	62.71	Salabat Abad, Gujrat District.	Suvay Wala Road, Gujranwala District.
LE82617	25/09/2013 05:25	25/09/2013 06:45	01:19:59	01:15:49	00:02:27	00:01:43	455,437.57	455,490.38	52.81	Suvay Wala Road, Gujranwala District.	TALON SPORTS PVT LTD , Grand Trunk Rd
LE82617	25/09/2013 07:13	25/09/2013 08:05	00:52:35	00:46:49	00:03:42	00:02:04	455,490.93	455,524.88	33.95	IZHAR CONCRETE LTD , Grand Trunk Rd	Lahore - Sheikhpura - Faisalabad Rd, Sheikhpura District.
LE82617	25/09/2013 10:34	25/09/2013 10:40	00:05:14	00:03:56	00:00:00	00:01:18	455,524.89	455,524.98	0.09	Lahore - Sheikhpura - Faisalabad Rd, Sheikhpura District.	Lahore - Sheikhpura - Faisalabad Rd, Sheikhpura District.

- **Start** – Date & Time of trip start Ignition ON
- **End** - Date & Time of trip end, Ignition OFF
- **Trip Time** - Total duration of the trip,
- **Driving Time** - Total duration in which vehicle status was driving,
- **Idle Time** – vehicle was standing still but engine was running/ ignition was ON,
- **Stop Time:** This represents time of time ignition was OFF till it was ON again,
- **Start KM:** Odometer reading at trip start,
- **End KM:** Odometer reading at trip end,
- **Distance:** Distance travelled by the vehicle in a trip,
- **Start Location:** Location from where the trip started.
- **Reached Location** - Location where the trip ended.

(Above image shows how a Trip Report looks like)

Trip Report

This report provides an overview of all the trips (ignition on to ignition off) including the reached location and the distance travelled. It can be generated for the selected time and date duration.

Device: All Vehicles

Group:

Report Time Period:

From:

To:

Ignore Short Stops of minutes Fuel Entries Analysis

Ignore trip shorter than km

Trip Report provides you an overview of all the trips made by the selected vehicle. Report could be generated for a single vehicle or complete group. Clicking this report will open up a dialog box (Image provided below) which contains a dropdown list labeled as Device, where a single vehicle could be selected from the list available to generate a report for a specific vehicle. To get a report for the whole group, select the desired group from the dropdown list labeled as Group. Enable the check box labeled as All Vehicles if report is required for all the vehicles that are under different groups exist under a master account. Specify Report Time Period which includes Date & Time range, specify time in minutes to ignore short stops (by default it is 20 minutes – this value could be increased or decreased as per requirement) and click Get Report.

Idle Time Report

A report will be generated which will contain data extracted from the database, as per the Date & Time range specified, in a new tab or window. Events that are reported in this report are as under along with Idle report picture.

Report Run Date

Date/ Time when report is being generated

Report Time Period

Desired set time period will be shown for the report.

Idle Threshold

(less than 5min time will be ignored by default)

Idle Time Ignored

(Calculated ignored time)

Effective Idle Time

(Calculated Idle Time)

Idle Time Report			
Report For	Vehicle:	Idle Threshold	5m
Report Run Date	11/06/2018 13:02	Idle Time Ignored	54m
Report Time Period	01/06/2018 00:00 - 11/06/2018 23:59	Effective Idle Time	1h 0m
Start Time	End Time	Idle Time	Idle Location
AAA-	Group: Satmo		Driver:
02/06/2018 10:48	02/06/2018 10:56	00:08:19	Jhelum Road, Chakwal.
02/06/2018 11:00	02/06/2018 11:25	00:24:31	Jhelum Road, Chakwal.
02/06/2018 12:10	02/06/2018 12:16	00:06:13	APEK GIRLS COLLEGE, Mohala Babka, Mozah Khotian,, Chakwal
02/06/2018 12:58	02/06/2018 13:04	00:06:07	Raja Petrol Pump-Jhelum-Chakwal Rd.
04/06/2018 21:35	04/06/2018 21:43	00:08:28	zafer rent a car, chakwal
07/06/2018 17:46	07/06/2018 17:53	00:06:46	Bahria Foundation College, Rawalpindi-Chakwal Rd, Mohammad Saeed Chowk, Ashraf Town, Chakwal, Punjab
	Subtotal:	01:00:24	

Idle Time Report

The Idle Time Report provides you detailed overview of your vehicle idling with location of idling. This report can be generated for selected time period.

Device: All Vehicles

Group:

Report Time Period: T Y >W 7d >M 30 LM

From:

To:

Idle time threshold of minutes Exclude Half Ignition

Idle Time Report provides you detail report of vehicle idling. Clicking this report will open up a dialog box (Image provided below) which contains a dropdown list labeled as Device, where a single vehicle could be selected from the list available to generate a report for a specific vehicle. To get a report for the whole group, select the desired group from the dropdown list labeled as Group. Enable the check box labeled as All Vehicles if report is required for all the vehicles that are under different groups exist under a master account. Specify Report Time Period which includes Date & Time range, specify idling threshold in minutes and click Get Report.

Mileage Report

A Mileage Report will extract data from the database, as per the Date & Time range specified, in a new tab or window. Events that are reported in this report are as under,

Mileage Report

Report For	Vehicle: KT- SUK	
Report Run Time	6/11/2018 2:52 PM	
Report Time Period	5/1/2018 12:00 AM - 5/31/2018 11:59 PM	Total Distance 2,676 KMs

Mileage Chart

Display Name	Date	Start KM	End KM	Distance(KM)	Comments
KT- SUK	5/1/2018	15,909	15,909	0	
	5/2/2018	15,909	16,059	150	
	5/3/2018	16,059	16,116	57	
	5/4/2018	16,116	16,271	155	
	5/5/2018	16,271	16,358	87	
	5/7/2018	16,358	16,532	174	Missing: 6
	5/8/2018	16,532	16,596	64	
	5/9/2018	16,596	16,697	101	
	5/10/2018	16,697	16,762	65	
	5/11/2018	16,763	16,884	119	Odo Jump: 2,

Mileage Graph: Graph will be show as above and you can email to concerns.

Device ID: Device Registration number will be shown under this tab.

Date Time: will be shown along with rest of information.

Start KM: Odometer start reading i.e. when the vehicle starts,

End KM: Odometer end reading i.e. when the vehicle is stopped

Distance (KM): Total distance covered in kilometers.

Comments: If you select **DO Analysis** at the time of getting reports, Pegasus System will do analysis and show difference in comments.

Mileage Report provides you the estimated fuel consumption per day and indicates fuel economy of the vehicle. By clicking this report will open up a dialog box (Image provided below) which contains a dropdown list labeled as Device, where you can select a vehicle from the list available, specify Report Time Period which includes Date & Time range and click Get Report.

Mileage Report

Mileage Report gives you a comprehensive detail of distance travelled by vehicles. If you take report of a single vehicle, it will show daily Mileage on a Graph

Vehicle: Search Vehicle

Group: Satmo All Vehicles

Report Time Period: T Y >W 7d >M 30 LM

From: 11/06/2018 00:00 Do Analysis

To: 11/06/2018 23:59 0-24h Periods

Get Report Schedule Cancel

Search Tab: If the vehicle list is bigger, you can use search vehicle tab for instant search.

All Vehicle: You can select single vehicle or click on all vehicle check box to select all under the selected group.

Do Analysis: It will show differences in report under comment section.

0-24 Periods: You can select report timings dynamical according to worker's shift patterns

Get Report: This will extract report with your set parameters

Schedule: You can schedule report on Monthly, weekly or daily basses. You can add multiple email addresses for scheduled reporting

Driver Safety Report

Driver Safety Report provides an easy-to-read view of harsh braking, Speed Limit Violation with optional Vehicle Idling summary. It is supporting targeted feedback and greater understanding of areas of risk.

Pegasus System provides two types of driver safety reports, 1st one is belonging to safety score and 2nd report is actually details of violation which are summarized in 1st reports. Here we discussed both in details:

Search Tab: If the vehicle list is bigger, you can use search vehicle tab for instant search.

All Vehicle: You can select single vehicle or click on all vehicle check box to select all vehicle under the selected group.

Reported Time Period: There is shortcut available for selection of time period.

Include Idle Periods: This will include Idle mode of vehicle with its default threshold time of 5 minute. You can edit it according to your need.

Harsh Brake Criteria: If the speed reduces up to 30KM in 5 seconds, Pegasus will consider this as harsh braking and will intimate this in reports. These entries are editable according to customers need.

Safety Score: For driving safety score report click on Safety score

Violations: For violations report click on violations button.

Note: There are two schedule buttons, one presents scheduling for safety score which is near by safety score and 2nd for violations scheduling which is along with violations button.

Driving Safety Score:

As shown in the picture, safety score is consisting of these attributes with calculated safety score for selected period of time.

Group	Vehicle	Driver	Total Distance Driven(km)	Harsh Brakes	Hrash Brakes per 100 Km	Speed Limit Violations	Maximum Speed (Km/hr)	Speed Limit (Km/hr)	Driving Time over Speed Limit	Idle Time Effective	Idle Time Ignored	Score
Satmo	LES-		2,484	0	0.00	4	77	75	00:03:42	14:26:17	02:52:39	92.30

Driving Safety Violation Report

As Shown in picture there are 4 violations of vehicle # LES, now when we get violations report it will give details of all 4 violations with date, type of violation, violation duration with location.

Vehicle	Driver	Date	Type	Max Speed (km/h)	Duration	Location
LES		08/06/2018 05:17	Over Speed	77	00:02:28	Anbar interchange (Jehangira-Sawabi Interchange), Islamabad - Peshawar Motorway, Lahor Tehsil.
LES		08/06/2018 05:23	Over Speed	77	00:00:19	Abaseen Picnic Spot, M1, Lahore, Khyber Pakhtoonkhwa
LES		08/06/2018 05:31	Over Speed	77	00:00:33	Lakori Main Road, Lakori, Hazro Tehsil.
LES		08/06/2018 05:37	Over Speed	77	00:00:22	Malik Lounge, Rasta (Maghrabi Dhowk), Barazai

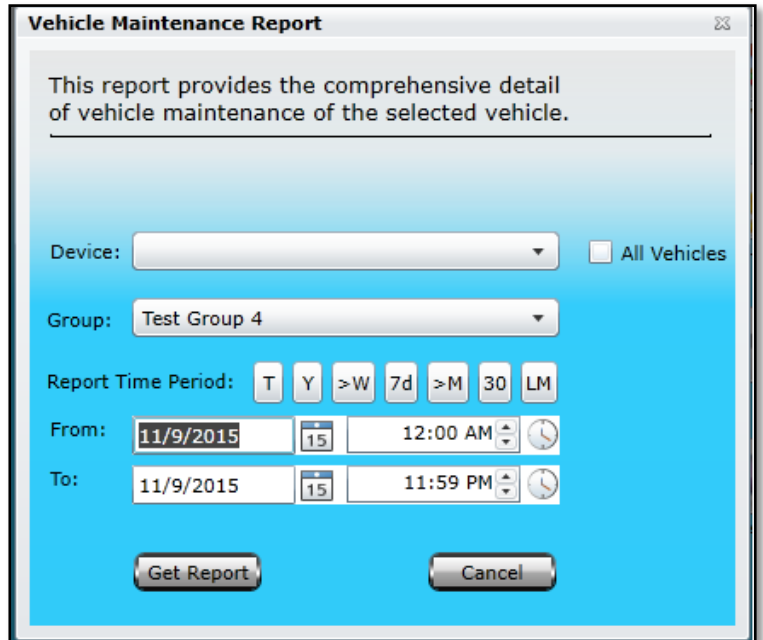
Vehicle Maintenance Report

A report will be generated which will contain data extracted from the database, as per the Date & Time range specified, in a new tab or window. Events that are reported in this report are Part Name, Cost—Price of that specific part. Maintenance Date - Date when the part was changed or the date when the details of vehicles maintenance was entered into the Pegasus system under Vehicle – Vehicle Maintenance, Expiry Date—Displays expiry date specified under Vehicle – Vehicle Maintenance for a specific part, Brand – Name of the brand of the part change

Part Name	Cost	Maintenance Date	Expiry Date	Brand	Service	Odometer	Expected Mileage
3 Liters Mobil oil	1650	8/30/2012	11/15/2012	SUZUKI Ultiate	Change_Replace	25600	29600
Air Filter	170	8/11/2012	12/15/2012	Guard	Change_Replace		5000
	140	8/30/2012	11/15/2012	Guard	Change_Replace	25600	29600
	200	11/12/2012	1/1/2013	Panther	Change_Replace		
	510						
CNG Kit Service + Tuning	870	8/13/2012	12/15/2012	Unknown	Repaired		5000
Engine +CNG Kit tuning	870	8/13/2012	1/1/0001	Labour	Repaired		
Two punctures	90	8/13/2012	1/1/0001	Labour	Repaired		
Total Cost	3990						

specified under Vehicle – Vehicle Maintenance, Service – Displays the type of service selected under Vehicle – Vehicle Maintenance, Odometer – Displays the odometer reading under Vehicle – Vehicle Maintenance, Expected Mileage – Displays the expected mileage of the part change under Vehicle – Vehicle Maintenance. Above image shows how a Vehicle Maintenance Report looks like.

Vehicle Maintenance Report provides you detailed report of maintenance of a vehicle and total maintenance cost. Clicking this report will open up a dialog box (Image provided below) which contains a dropdown list labelled as Vehicle, where you can select a vehicle from the list available, specify Report Time Period which includes Date & Time range and click Get Report.



Driver Vehicle Report

Driver Vehicle Report – This report provides the details of vehicle trips related to Driver. Clicking this report will open up a dialog box (Image provided below) which contains a dropdown list labeled as Device, where a single vehicle could be selected from the list available to generate a report for a specific vehicle. To get a report for the whole group, select the desired group from

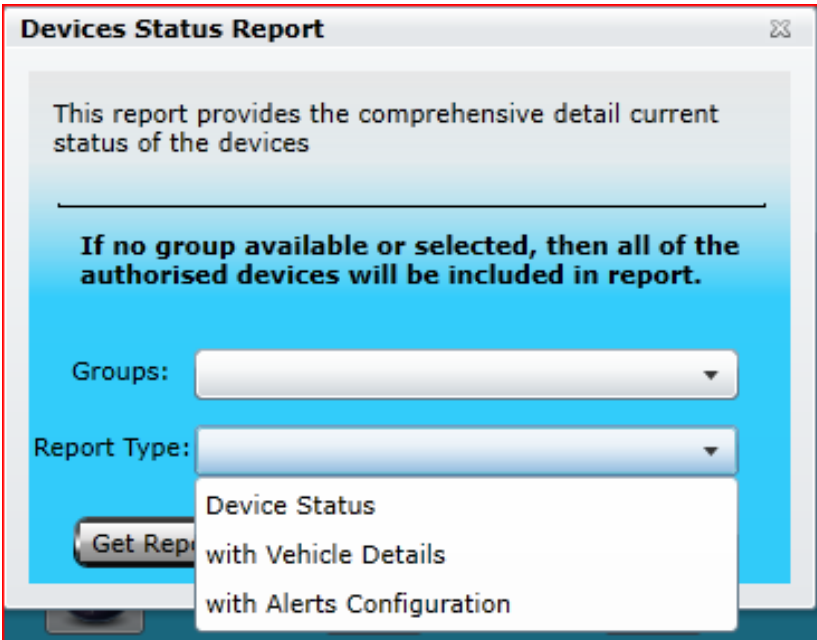
Driver	Vehicle	Start	Finish	Duration	Distance
Harry	PHP Demo	11/9/2015 10:31 AM	11/9/2015 10:41 AM	10m	0 Km
	PHP Demo	11/9/2015 10:41 AM	11/9/2015 12:07 PM	1h 26m	0 Km
	PHP Demo	11/9/2015 12:07 PM	11/9/2015 12:51 PM	43m	0 Km
	PHP Demo	11/9/2015 12:51 PM	11/9/2015 12:52 PM	1m	0 Km
	PHP Demo	11/9/2015 12:52 PM			277 Km

the dropdown list labeled as Group. Enable the check box labeled as All Vehicles if report is required for all the vehicles that are under different groups exist under a master account. Specify Report Time Period which includes Date & Time range and click Get Report.

Devices Status Report

Devices Status Report provides you a comprehensive report about the status of all the devices added under a Master account or a Group. By clicking Get Report button will generate a Devices Status Report containing data extracted from the database in a new tab or window. Events that are reported in this report are Device Name, Device ID, current GPS Status – *Locked or Unlocked*, current Ignition Status – *On or Off*, IMEI – *Firmware version of the firmware installed in the device*, SIM Number - *number of the SIM currently available in the device*, Odometre - *current reading of the Odometre*, Last Communication - *Date & Time when the device last communicated with the Pegasus system*, Source – *Type of source through which device communicated with the Pegasus system i.e. SMS or GPRS* and Last Location - *Location of the device as per the last data packet sent by the device to Pegasus system*. Above image shows how a Devices Status Report looks like.

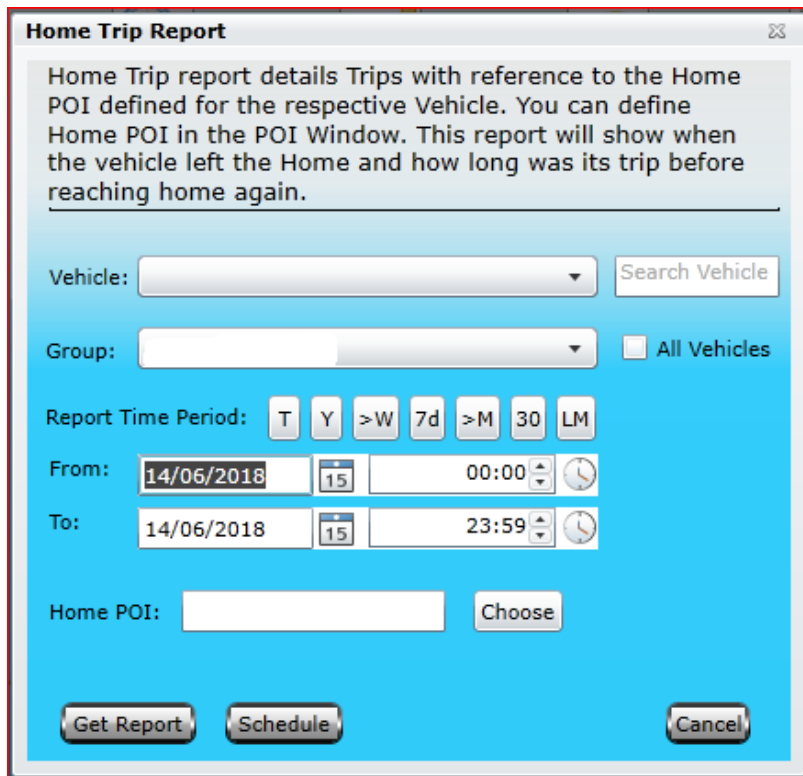
Vehicle	ID	Group	GPS Status	IGN	Since	Firmware	Sim Number	IMEI	Odometer	Last Communication	Source	Geo Zone	NR Critical	Last Location
LEC	1006737		Locked	ON	00:05	845	+9230286457	8662240236483	40,340.70	14 June 2018 11:49	GPRS	Lahore	Yes	Mangi Tanwala 20 Km, Buchinana Road, Nank
LEA-	1007369		Locked	ON	00:02	845	+923040842	8629500255538	144,709.61	14 June 2018 11:48	GPRS	Lahore	Yes	FSS Block-Y DHA
LEB	1008886		Unlocked	ON	00:11	845	+923028230	8662240236527	46,202.45	14 June 2018 11:48	GPRS	Lahore	Yes	Model Town Club, F Block, Lahore
LEC-	1004152		Locked	OFF	02:09	675	+923028431	8610010028010	35,477.36	14 June 2018 11:40	GPRS	Lahore	Yes	COS MOS STORE (DEFENCE PHASE IV) , Stre
LEH-	1006736		Locked	OFF	01:48	846	+923081914	8628770320822	82,245.26	14 June 2018 11:31	GPRS	Lahore	Yes	Farhan Associates Warda Hamna Residencia, s
LEC-	1004153		Locked	OFF	00:18	845	+923028430	8628770363986	48,896.55	14 June 2018 11:31	GPRS	Lahore	Yes	Deutsche Bank AG, Mall Road, Lahore
LEH-	1007078		Locked	OFF	00:28	671	+9230185172	8610010027986	308,709.40	14 June 2018 11:21	GPRS	Lahore	Yes	Virtism, 93, E Block, Model Town, Lahore.
LEC-	1007092		Locked	ON	01:28	845		8662240236206	23,194.27	22 March 2018 10:21	GPRS	Lahore	Yes	Virtism, 93, E Block, Model Town, Lahore.



By Clicking this report will open up a dialog box (*Image provided below*) with a dropdown list labelled as Groups where you can select a specific group but if no selection has been made then the generated report will have the status of all the devices that exist under a Master account or a group.

There are three types of reports can be extract related to device status, including device status, device status with vehicle details and device status with alerts configuration.

Home Visit Report



This report will show when vehicle left the Home and how long was its trip before reaching home again. Home Visit Report details Trips with reference to the Home POI Defined for the respective Vehicle, Home POI can be assigned to Device in Device Properties. Clicking this report will open up a dialog box (*Image provided below*) which contains a dropdown list labeled as Device, where a single vehicle could be selected from the list available to generate a report for a specific vehicle. To get a report for the whole group, select the desired group from the dropdown list labeled as Group. Enable the check box labeled as All Vehicles if report is required for all the vehicles that are under different groups exist under a master account. Specify Report Time Period which includes Date & Time range and click Get Report.

POI Report – Visits Report

POI Report – Visits Report provides you a detailed report of visits of a vehicle to a specific or all POI added under a Master account. Clicking this report will open up a dialog box (Image provided below) which contains a check box labeled as All POI, if this check box is disabled, a new dialog box will appear which contains the list of all the POIs each with a check box. Select the desired POIs from the list by enabling the check box and click Submit button.

Point of Interest	Entry Time	Exit Time	Time Spent
Cafes & Bakeries	23 September 2013 02:15	23 September 2013 07:42	05:27:01
	23 September 2013 14:10	23 September 2013 14:54	00:43:55
	23 September 2013 16:54	23 September 2013 21:54	05:00:16
	24 September 2013 01:54	24 September 2013 02:54	01:00:02
	24 September 2013 03:45	24 September 2013 07:46	04:01:04
	24 September 2013 11:24	24 September 2013 12:42	01:17:39
	24 September 2013 16:44	24 September 2013 19:26	02:41:33
	24 September 2013 20:56	24 September 2013 21:26	00:30:02
	25 September 2013 11:37	25 September 2013 12:12	00:34:29
Cafes/Bakeries Asian Food Vendors	23 September 2013 12:02	23 September 2013 12:29	00:26:33
	24 September 2013 09:56	24 September 2013 10:28	00:32:26
	25 September 2013 09:58	25 September 2013 10:20	00:21:12
Mangar Colony (Franchise)	23 September 2013 12:48	23 September 2013 13:04	00:15:22
	24 September 2013 10:49	24 September 2013 11:03	00:14:16
	25 September 2013 10:32	25 September 2013 10:47	00:15:14
G T Road	24 September 2013 14:17	24 September 2013 14:30	00:13:45
Cafes/Bakeries Shrikya Indian Vendors	24 September 2013 15:08	24 September 2013 15:24	00:15:58
Cafes & Bakeries Factory	25 September 2013 01:26	25 September 2013 04:08	02:41:35

Specify time in minutes to define Minimum Stay of a vehicle at a POI (by default it is 10 minutes – this value could be increased or decreased as per requirement). A dropdown list labelled as Device, where a single vehicle could be selected from the list available to generate a report for a specific vehicle. To get a report for the whole group, select the desired group from the dropdown list labeled as Group. Enable the check box labeled as All Vehicles if report is required for all the vehicles that are under different groups exist under a master account. Specify Report Time Period which includes Date & Time range and click Visits Report.

Points of Interest Reports

These reports give you comprehensive detail of the device time spent on each POI. Distance report displays POI visited and distance from last POI. So this can be used at POI Trip report as well.

All POIs Filtered POIs

Minimum POI Stay: minutes

Type:

POI Area:

POI City:

Device: All Vehicles

Group:

Report Time Period:

From:

To:

A report will be generated containing data extracted from the database as per the Date & Time Range specified in a new tab or window. Events that are reported in this report are POI Name, Date & Time of Entry of the vehicle to a specific POI, Date & Time of the vehicle at which it exists from a specific POI and total Time spent at each POI on each visit. Above image shows how POI Report - Visits Report looks like.

By default, the check box labeled as All POI will be enabled. Disable the check box if report is required to be generated for specific POI(s). A list of all the POIs created under a Master account will appear by disabling the checkbox (All POI) where specific POI(s) could be selected.

POI Report – Distance Report

Point of Interest	Entry Time	Exit Time	Time Spent	Distance	Travel Time
Cakes & Bakes	23 September 2013 02:15	23 September 2013 07:42	05:27:01	0.00	00:00:00
Cakes&Bakes Asian town Franchise	23 September 2013 12:02	23 September 2013 12:29	00:26:33	65.69	04:20:16
Margarita Colony (Franchise)	23 September 2013 12:48	23 September 2013 13:04	00:15:22	2.90	00:19:20
Cakes & Bakes	23 September 2013 14:10	23 September 2013 14:54	00:43:55	18.27	01:06:12
Cakes & Bakes	23 September 2013 16:54	23 September 2013 21:54	05:00:16	0.00	02:00:05
Cakes & Bakes	24 September 2013 01:54	24 September 2013 02:54	01:00:02	0.00	04:00:11
Cakes & Bakes	24 September 2013 03:45	24 September 2013 07:46	04:01:04	0.04	00:51:08
Cakes&Bakes Asian town Franchise	24 September 2013 09:56	24 September 2013 10:28	00:32:26	25.44	02:09:19
Margarita Colony (Franchise)	24 September 2013 10:49	24 September 2013 11:03	00:14:16	2.70	00:20:19
Cakes & Bakes	24 September 2013 11:24	24 September 2013 12:42	01:17:39	17.89	00:21:40
GT Road	24 September 2013 14:17	24 September 2013 14:30	00:13:45	36.76	01:34:29
Cakes&Bakes Shree Pahari Franchise	24 September 2013 15:08	24 September 2013 15:24	00:15:58	9.77	00:37:31
Cakes & Bakes	24 September 2013 16:44	24 September 2013 19:26	02:41:33	22.30	01:20:30
Cakes & Bakes	24 September 2013 20:56	24 September 2013 21:26	00:30:02	0.00	01:30:12
Cakes & Bakes Factory	25 September 2013 01:26	25 September 2013 04:08	02:41:35	0.00	04:00:19
Cakes&Bakes Asian town Franchise	25 September 2013 09:58	25 September 2013 10:20	00:21:12	25.29	05:50:17
Margarita Colony (Franchise)	25 September 2013 10:32	25 September 2013 10:47	00:15:14	2.81	00:12:37
Cakes & Bakes	25 September 2013 11:37	25 September 2013 12:12	00:34:29	20.76	00:49:52

POI Report – Distance Report provides you a detailed report of distance travelled by a vehicle from one POI to other POI or all POIs added under a Master account. Clicking this report will open up a dialog box (*complete details about the dialog box are given above under POI Report – Visits Report*) and click Distance Report.

A report will be generated containing data extracted from the database as per the Date & Time Range specified in a new tab or window. Events that are reported in this report are POI Name, Date & Time of Entry of the vehicle to a specific POI, Date & Time of the exit from a specific POI, total Time spent at each POI on each visit, Distance travelled from one POI to other - *in kilometres* and Total time spent on Travel from one POI to other. Above image shows how a POI Report - Distance Report looks like.

By default, the check box labeled as All POI will be enabled. Disable the check box if report is required to be generated for specific POI(s). A list of all the POIs created under a Master account will appear by disabling the checkbox (*All POI*) where specific POI(s) could be selected.

POI Report – Present Report

POI Report – Present Report provides you a detailed report of those vehicles that are currently parked/ available in any of the POI that exist under a Master account or Group. Clicking this report will open up a dialog box (*complete details about the dialog box are given above under POI Report – Visits Report*) and click Present Report.

Point of Interest	Vehicle	Entry Time	Time Spent
Cakes & Bakes	LEB-5873	26 September 2013 10:50	02:53:25
	LEB-2503	26 September 2013 10:31	03:12:00
	LEB-3304	26 September 2013 11:07	02:35:46
	LEB-3305	26 September 2013 13:08	00:35:26
	LEB-4708		00:00:00
	LEB-4710-06	26 September 2013 11:41	02:02:18
	LEB-394-05	26 September 2013 09:47	03:56:11
	LEB-7821	26 September 2013 11:19	02:23:47
Cakes&Bakes P.L.A Franchise	LEB-4709	26 September 2013 13:35	00:08:42

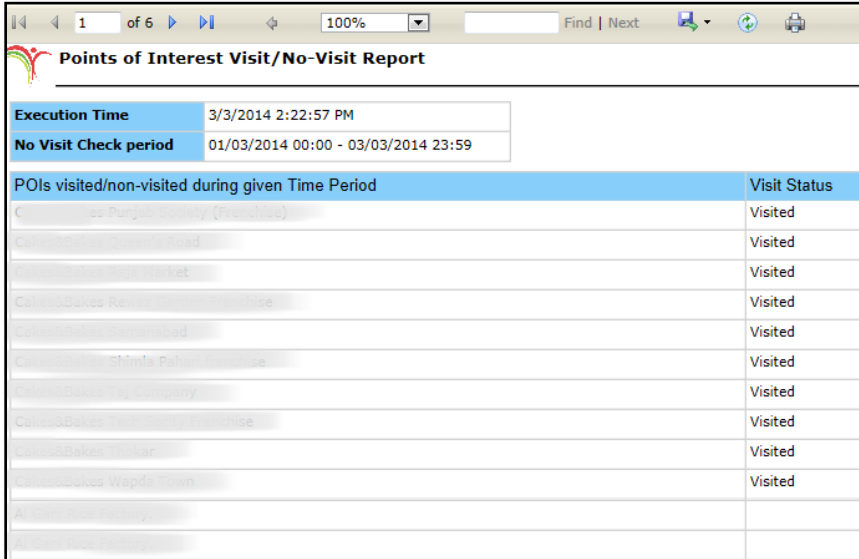
A report will be generated containing data extracted from the database as per the Date & Time Range specified in a new tab or window. Events that are reported in this report are POI Name, Device Name, Date & Time of Entry of the vehicle to a specific POI and Time Spent – *Total duration of the vehicle parked at POI till the report run time/ current time*. Above image shows how a POI Report - Distance Report looks like.

By default, the check box labeled as All POI will be enabled. Disable the check box if report is required to be generated for specific POI(s). A list of all the POIs created under a Master account will appear by disabling the checkbox (*All POI*) where specific POI(s) could be selected.

Note: In this report selection of vehicle and date/ time have no effect. It will only those report POI(s) and Vehicles which are currently parked at any of the POI (All or Selected from the list).

POI Report – Non Visit Report

This Report provides you a detailed report of those POIs which have not been visited by any vehicle in the group in specified date/ time. Clicking this report will open up a dialog box (*complete details about the dialog box are given above under POI Report – Visits Report*) and click Non-Visit Report.



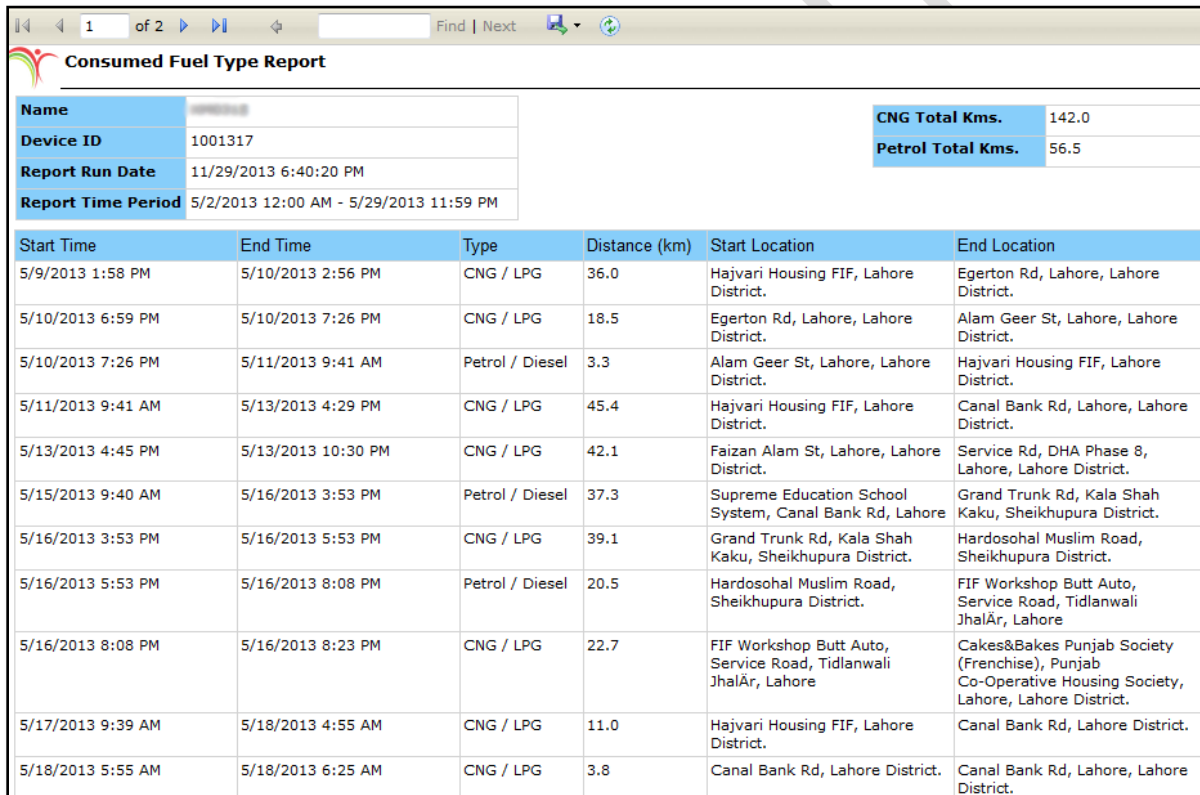
POIs visited/non-visited during given Time Period	Visit Status
Cakes&Bakes Punjab Society (Frenchise)	Visited
Cakes&Bakes Punjab Road	Visited
Cakes&Bakes Market	Visited
Cakes&Bakes Punjab	Visited
Cakes&Bakes	Visited
Cakes&Bakes Punjab	Visited
Cakes&Bakes Punjab	Visited
Cakes&Bakes Punjab	Visited
Cakes&Bakes Punjab	Visited
Cakes&Bakes Punjab	Visited
Cakes&Bakes Punjab	Visited
Cakes&Bakes Punjab	Visited
Cakes&Bakes Punjab	Visited

A report will be generated containing data extracted from the database as per the Date & Time Range specified in a new tab or window. Events that are reported in this report are POI Name and Visit Status. POIs that are visited by the vehicles of the group will have the Visit Status as Visited whereas a blank Visit Status indicates not visited. Above image shows how POI Report Non-Visit Report looks like.

By default, the check box labeled as All POI will be enabled. Disable the check box if report is required to be generated for specific POI(s). A list of all the POIs created under a Master account will appear by disabling the checkbox (*All POI*) where specific POI(s) could be selected.

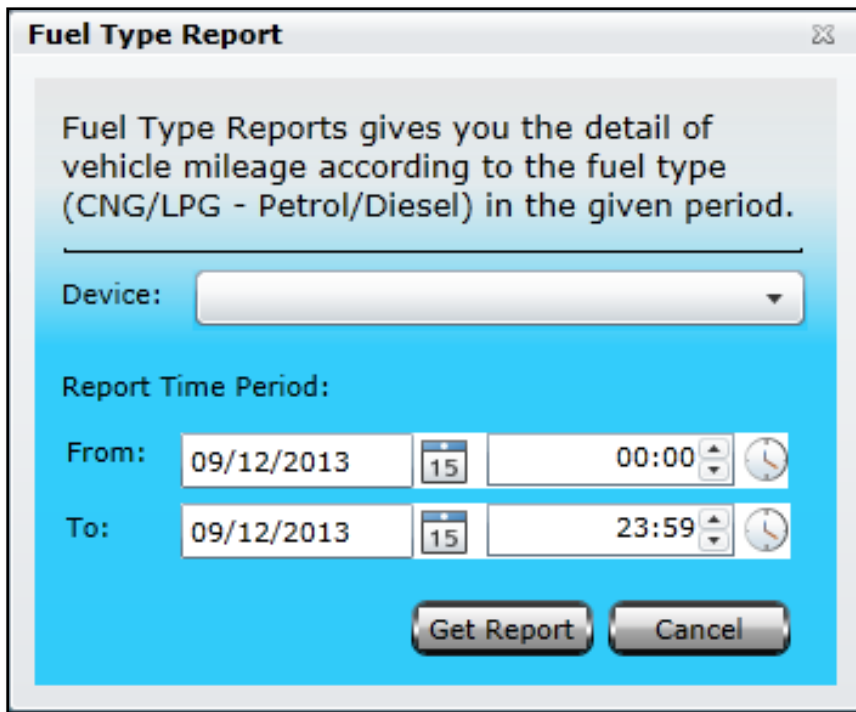
Note: In this report selection of vehicle and date/ time have no effect. It will only those report POI(s) and Vehicles which are currently parked at any of the POI (All or Selected from the list).

Fuel Type Report



Name	Device ID	Report Run Date	Report Time Period	CNG Total Kms.	Petrol Total Kms.
	1001317	11/29/2013 6:40:20 PM	5/2/2013 12:00 AM - 5/29/2013 11:59 PM	142.0	56.5
Start Time	End Time	Type	Distance (km)	Start Location	End Location
5/9/2013 1:58 PM	5/10/2013 2:56 PM	CNG / LPG	36.0	Hajvari Housing FIF, Lahore District.	Egerton Rd, Lahore, Lahore District.
5/10/2013 6:59 PM	5/10/2013 7:26 PM	CNG / LPG	18.5	Egerton Rd, Lahore, Lahore District.	Alam Geer St, Lahore, Lahore District.
5/10/2013 7:26 PM	5/11/2013 9:41 AM	Petrol / Diesel	3.3	Alam Geer St, Lahore, Lahore District.	Hajvari Housing FIF, Lahore District.
5/11/2013 9:41 AM	5/13/2013 4:29 PM	CNG / LPG	45.4	Hajvari Housing FIF, Lahore District.	Canal Bank Rd, Lahore, Lahore District.
5/13/2013 4:45 PM	5/13/2013 10:30 PM	CNG / LPG	42.1	Faizan Alam St, Lahore, Lahore District.	Service Rd, DHA Phase 8, Lahore, Lahore District.
5/15/2013 9:40 AM	5/16/2013 3:53 PM	Petrol / Diesel	37.3	Supreme Education School System, Canal Bank Rd, Lahore	Grand Trunk Rd, Kala Shah Kaku, Sheikhupura District.
5/16/2013 3:53 PM	5/16/2013 5:53 PM	CNG / LPG	39.1	Grand Trunk Rd, Kala Shah Kaku, Sheikhupura District.	Hardosohal Muslim Road, Sheikhupura District.
5/16/2013 5:53 PM	5/16/2013 8:08 PM	Petrol / Diesel	20.5	Hardosohal Muslim Road, Sheikhupura District.	FIF Workshop Butt Auto, Service Road, Tidlanwali JhalAr, Lahore
5/16/2013 8:08 PM	5/16/2013 8:23 PM	CNG / LPG	22.7	FIF Workshop Butt Auto, Service Road, Tidlanwali JhalAr, Lahore	Cakes&Bakes Punjab Society (Frenchise), Punjab Co-Operative Housing Society, Lahore, Lahore District.
5/17/2013 9:39 AM	5/18/2013 4:55 AM	CNG / LPG	11.0	Hajvari Housing FIF, Lahore District.	Canal Bank Rd, Lahore District.
5/18/2013 5:55 AM	5/18/2013 6:25 AM	CNG / LPG	3.8	Canal Bank Rd, Lahore District.	Canal Bank Rd, Lahore, Lahore District.

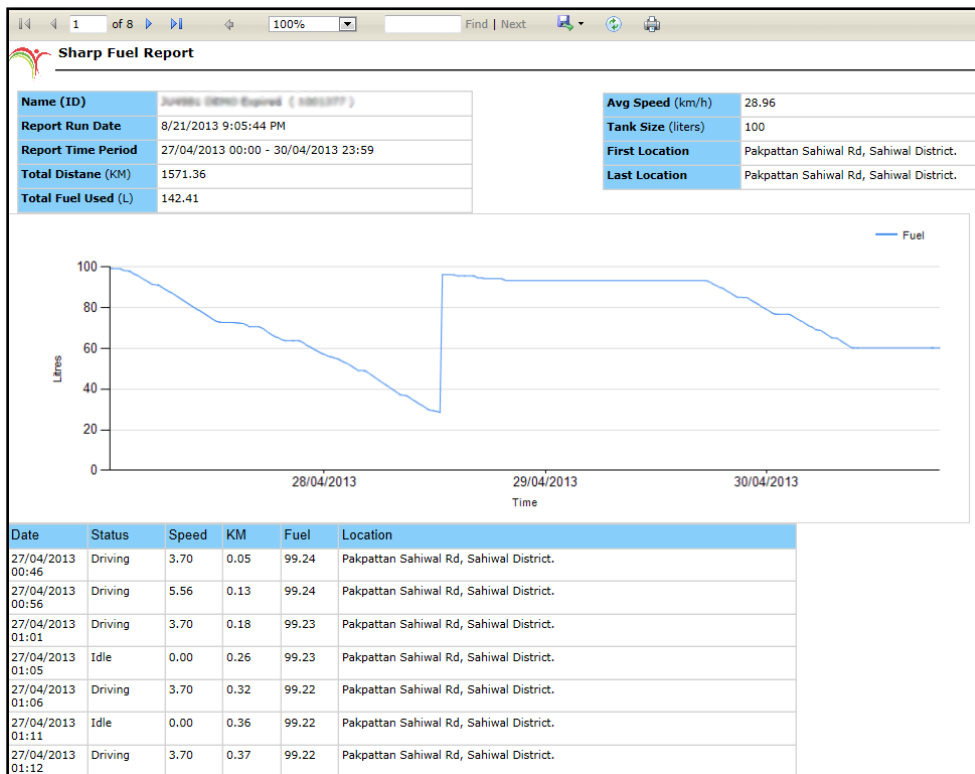
Fuel Report provides you the estimated vehicle mileage according to the fuel type (CNG/ LPG or Petrol/ Diesel) in the specified period. Clicking this report will open up a dialog box (*Image provided below*) which contains a dropdown list labeled as Device, where you can select a vehicle from the list available, specify Report Time Period which includes Date & Time range and click Get Report.



A report will be generated which will contain data extracted from the database, as per the Date & Time range specified, in a new tab or window. Events that are reported in this report are Start Time, End Time, Type of Fuel in Use, Distance Travelled - *in kilometres*, Start Location and End Location. Above image shows how a Fuel Type Report looks like.

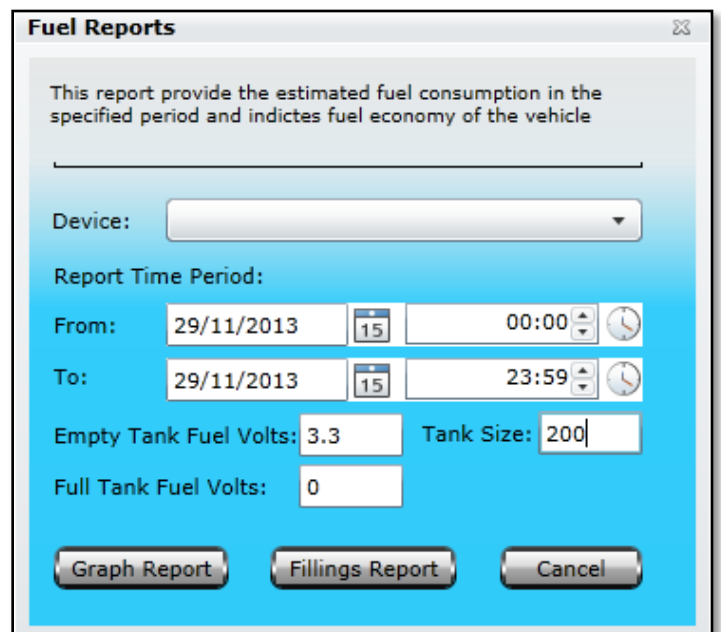
Fuel Report -Graph Report

Fuel Report provides you the estimated fuel consumption in the specified period and indicates fuel economy of the vehicle.



A report will be generated which will contain data extracted from the database, as per the Date & Time range specified, in a new tab or window. Events that are reported in this report are a Fuel Graph, Date Time, Status - *Idle, Driving or Stand Still*, Speed - *Speed gained by the vehicle*, Kilometers - *Total distance covered in kilometers*, Fuel - *Fuel consumed* and Location - *Current location of the vehicle*. A graph is also created as per the values extracted from the database. Above image shows how a Fuel Report – Graph Report looks like.

- Select device or vehicle from dropdown list (Image provided),
- Specify Report Time Period which includes Date & Time range,
- Empty Tank Fuel Volts (automatic value will be set)
- Full Tank Fuel Volts (automatic value will be set)
- Tank Size and click Graph Report.



Fuel Report – Fillings Report

Fuel Report provides you the estimated fuel consumption in the specified period and indicates fuel economy of the vehicle. Clicking this report will open up a dialog box (Image provided above) which contains a dropdown list labeled as Device, where you can select a vehicle from the list available, specify Report Time Period which includes Date & Time range, (Empty Tank Fuel Volts, Full Tank Fuel Volts and Tank Size will automatically be populated) and click Fillings Report.

A report will be generated which will contain data extracted from the database, as per the Date & Time range specified, in a new tab or window. Events that are reported in this report are a Device ID, Date Time, Odometer Reading - if its properly set when adding the vehicle to the system, Kilometers Consumed Since Last Filling till Current Filling, Litres of Fuel Vehicle already has, Litres of Fuel After Filling, Average Fuel consumption per Litre and Location - Current location of the vehicle. Above image shows how a Fuel Report – Fillings Report looks like.

Name	UK Demo 3
Device ID	1000980
Report Run Date	10/11/2012 2:54:17 PM
Report Time Period	10/1/2012 5:24 PM - 10/5/2012 11:59 PM

Date	Odometre	KM since last	Fuel Before	Filling	Fuel After	KM/litre	Location
10/1/2012 5:24 PM	714,030.90	714030	0.00	24.01	24.01	140.34	START FUEL

Clicking this report will open up a dialog box (Image provided below) which contains a dropdown list labeled as Device, where a single vehicle could be selected from the list available to generate a report for a specific vehicle. To get a report for the whole group, select the desired group from the dropdown list labeled as Group. Enable the check box labeled as All Vehicles if report is required for all the vehicles that are under different groups exist under a master account. Specify Report Time Period which includes Date & Time range and click Get Report.

Trip Fuel Report

A report will be generated which will contain data extracted from the database, as per the Date & Time range specified, in a new tab or window. Events that are reported in this report are Device Name/ ID, Trips Start Time - Date & Time, Trips End Time - Date & Time, Trips Time - Total duration of the trip, Driving Time - Total duration in which vehicle status was driving, Idle Time, Stop Time - It is the total duration for which Engine was off during a trip. i.e. From the time ignition was Off till it was ON again, Start KM - Odometer reading at trip start, End KM - Odometer reading at trip end, Distance, Fuel Used - Fuel consumed by the vehicle per trip per litre, Fuel Cost, Start Location - Location from where the trip started and Reached Location - Location where the trip ended. Above image shows how a Trip Fuel Report looks like.

Device	Start Time	End Time	Trip Time	Driving Time	Idle Time	Stop Time	Start KM	End KM	Distance	Fuel Used	Fuel Cost	Start Location	Reached Location
UK Demo 3	10/5/2012 7:50 PM	10/5/2012 8:09 PM	00:18:11	00:00:00	00:01:07	00:17:04	134,809.87	693,596.82	558,786.95	0.00	0.00	50, Brush Dr, Loughborough, North West Leicestershire	50, Brush Dr, Loughborough, North West Leicestershire
UK Demo 3	10/5/2012 8:13 PM	10/5/2012 8:18 PM	00:05:09	00:00:00	00:00:58	00:04:11	693,596.82	760,691.35	67,094.53	0.00	0.00	50, Brush Dr, Loughborough, North West Leicestershire	50, Brush Dr, Loughborough, North West Leicestershire
UK Demo 3	10/5/2012 8:27 PM	10/5/2012 9:17 PM	00:50:04	00:00:00	00:47:39	00:02:25	760,691.35	760,707.73	16.38	0.00	0.00	50, Brush Dr, Loughborough, North West Leicestershire	50, Brush Dr, Loughborough, North West Leicestershire
UK Demo 3	10/6/2012 5:06 PM	10/10/2012 3:18 AM	3:10:11:31	02:26:48	1:18:13:45	1:13:30:58	714,029.68	714,029.68	0.00	0.00	0.00	50, Brush Dr, Loughborough, North West Leicestershire	50, Brush Dr, Loughborough, North West Leicestershire
UK Demo 3	10/10/2012 2:01 PM	10/11/2012 1:02 AM	11:01:10	00:57:35	09:02:59	01:00:36	714,029.68	714,033.77	4.09	0.00	0.00	50, Brush Dr, Loughborough, North West Leicestershire	50, Brush Dr, Loughborough, North West Leicestershire

Trip Fuel Report provides you an overview of all the trips made by the selected vehicle. Clicking this report will open up a dialog box (Image provided below) which contains a dropdown list labeled as Device, where you can select a vehicle from the list available, specify Report Time Period which includes Date & Time range and click Get Report.

Trip Fuel Report

This report provide the estimated fuel consumption during trips for specified period. The report relies on the Fuel Entries made for the vehicle.

Device:

Report Time Period:

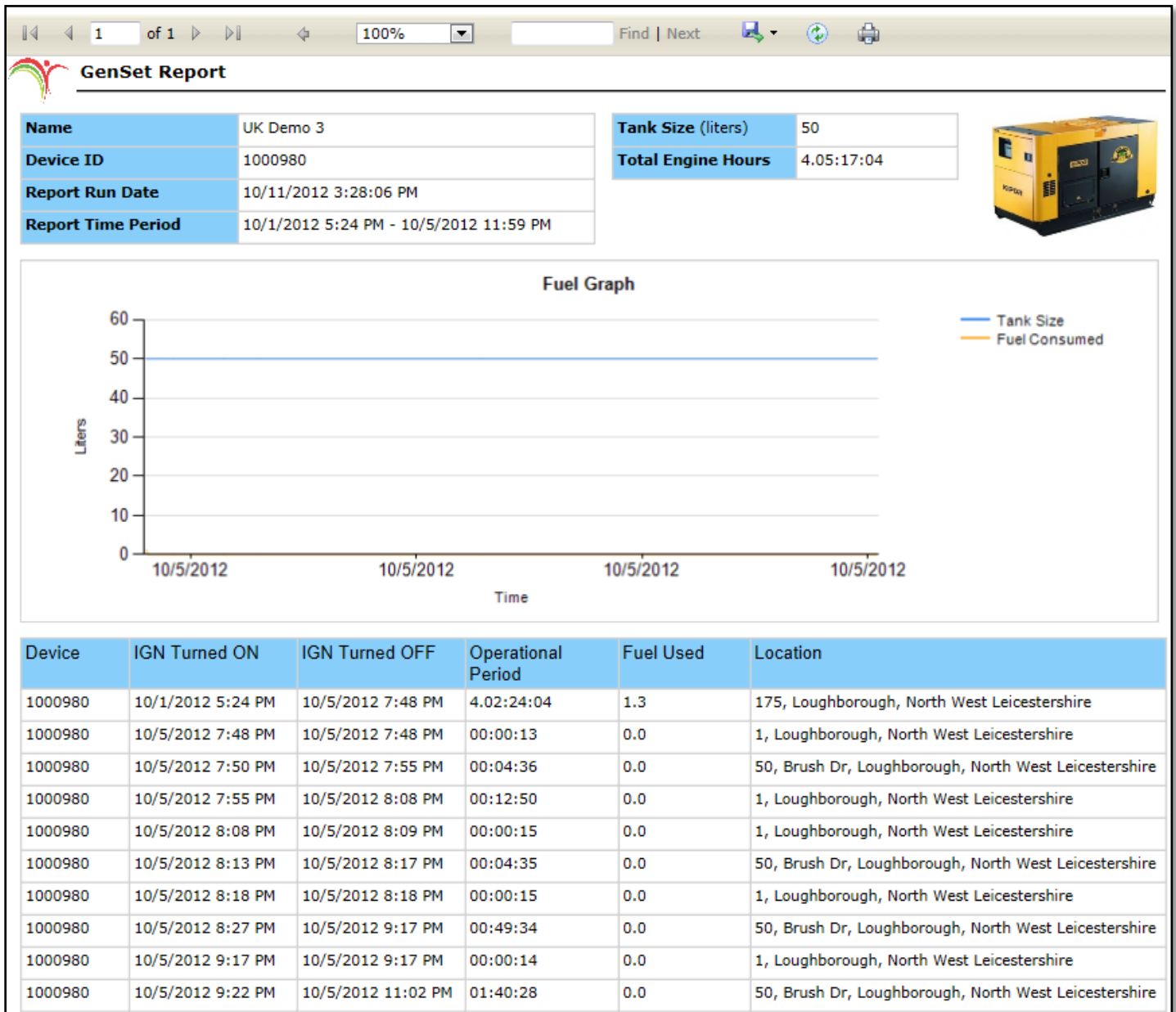
From: 29/11/2013 00:00

To: 29/11/2013 23:59

Ignore Short Stops of 20 minutes

GenSet Report

GenSet Report provides you the estimated fuel consumption in the specified period and indicates fuel economy of the genset. Clicking this report will open up a dialog box which contains a dropdown list labeled as Device, where you can select a genset from the list available, specify Report Time Period which includes Date & Time range, input the Tank Size in liters, provide the minimum volts when the fuel tank is empty, provide maximum volts when the fuel tank if full and click Get Report.



A report will be generated which will contain data extracted from the database, as per the Date & Time range specified, in a new tab or window. Events that are reported in this report are a Device ID, Ignition ON Time - *Date Time*, Ignition Off Time - *Date & Time*, Operational Period - *Time period in hh:mm:ss:ms*, Average Fuel Consumption per Litre and Location - *Current location of the genset*. Above image shows how a GenSet Report looks like.

Alerts Report

Alerts Report provides you a detail report of all the alerts generated by the tracking device. A report will be generated which will contain data extracted from the database, as per the Date & Time range specified, in a new tab or window. Events that are reported in this report are,

Name	UK Demo 3	Avg Speed (km/h)	15.30
Device ID	1000980	First Location	50, Brush Dr, Loughborough, North West Leicestershire
Report Run Date	10/11/2012 3:01:20 PM	Last Location	107, Brush Dr, Loughborough, North West Leicestershire
Report Time Period	10/1/2012 5:24 PM - 10/11/2012 11:59 PM		

Device	Date	Status	Speed (km/h)	Alerts	Location
UK Demo 3	10/10/2012 3:19 AM	Stand Still	0	NO POWER ALERT,	50, Brush Dr, Loughborough, North West Leicestershire
UK Demo 3	10/10/2012 3:21 AM	Stand Still	0	NO POWER ALERT,	50, Brush Dr, Loughborough, North West Leicestershire
UK Demo 3	10/10/2012 2:01 PM	Idle	0	NO POWER ALERT,	50, Brush Dr, Loughborough, North West Leicestershire
UK Demo 3	10/10/2012 2:01 PM	Idle	0	NO POWER ALERT,	50, Brush Dr, Loughborough, North West Leicestershire
UK Demo 3	10/10/2012 2:01 PM	Idle	0	NO POWER ALERT,	50, Brush Dr, Loughborough, North West Leicestershire
UK Demo 3	10/10/2012 3:00 PM	Idle	0	NO POWER ALERT,	50, Brush Dr, Loughborough, North West Leicestershire
UK Demo 3	10/10/2012 3:51 PM	Driving	42.596	NO POWER ALERT,	152, Loughborough, North West Leicestershire

Device ID, Date Time - *Date & time when the alerts generated*, Status - *Idle, Driving or Stand Still*, Speed - *Speed gained by the vehicle*, Alert - *What alert generated by the tracking device* and Location - *Location of the vehicle when the alert was generated*. Above image shows how an Alerts Report looks like.

Alert Ack Report

Alert Acknowledgement Report provides a comprehensive report of all the alerts generated by the device and the action taken against each alert. Clicking this report will open a dialog box where Date & Time range could be specified and click Get Report button.

A report will be generated which will contain data extracted from the database, as per the date & time range specified, in a new tab or window. Events that are reported in this report are Device ID, Date & Time – *Date & Time when the alert was generated*, Alert – *Description of the alert generated*, Ack'd – *Displays the status of the acknowledgment True if acknowledged & False if not acknowledged*, Ack Time – *Date & Time when the alert was acknowledged*, User– *Displays the name of the user who acknowledged the alert* and Ack Detail– *Displays the action taken by the user*. Above image shows how an Alert Acknowledgement Report looks like.

Report Run Date	22/08/2013 14:06
Report Time Period	21/08/2013 00:00 - 22/08/2013 23:59

Device	Date	Alert	Ack'd	Ack Time	User	Ack Detail
1001496	20/08/2013 20:15	Device: [REDACTED]: GEOFENCE VIOLATE ALERT, Addr: Grand Trunk Road, Gujranwala District., Time: 21/08/2013 01:16:01	True	20/08/2013 19:26	[REDACTED]	Informed Via Call.....
1001385	21/08/2013 03:35	Device: [REDACTED]: NO POWER ALERT, Addr: Manghopir Road, Sindh Industrial Trading Estate, Karachi, Karachi District., Time: 8/21/2013 12:27:15 PM	False			
1001385	21/08/2013 03:35	Device: [REDACTED]: NO POWER ALERT, Addr: Manghopir Road, Sindh Industrial Trading Estate, Karachi, Karachi District., Time: 8/21/2013 6:50:00 PM	False			
1000910	21/08/2013 04:49	Device: [REDACTED]: M.Bashir: NO POWER ALERT, Addr: Renala Khurd Bypass, Renala Khurd, District Okara., Time: 8/21/2013 9:49:33 AM	True	21/08/2013 04:55	[REDACTED]	Informed via Call
1001499	21/08/2013 08:19	Device: [REDACTED]: GEOFENCE VIOLATE ALERT, Addr: Anmol CNG, , G.T. Rd, Madina Town, Kamoke, Time: 8/21/2013 1:19:58 PM	True	21/08/2013 08:21	[REDACTED]	Informed via Call
1001267	21/08/2013 08:22	Device: [REDACTED]: INPUT_2 ON ALERT, INPUT_1 OFF ALERT, INPUT_3 OFF ALERT, Addr: Multan Rd, Chung, Time: 8/21/2013 1:22:50 PM	True	21/08/2013 08:23	[REDACTED]	
1001628	21/08/2013 08:23	Device: [REDACTED]: GEOFENCE VIOLATE ALERT, Addr: Girls College Road, Jaranwala, Faisalabad District., Time: 8/21/2013 1:23:36 PM	True	21/08/2013 08:32	[REDACTED]	Informed via Call
1001278	21/08/2013 19:58	Device: [REDACTED]: GEOFENCE VIOLATE ALERT, Addr: Shahdara Chowk, , Jaranwala Rd, Shahdara, Time: 8/22/2013 12:58:47 AM	True	21/08/2013 20:14	[REDACTED]	Not attending.

Action Log Report

Devices Housekeeping Report

Report Run Time: 9/26/2013 2:15:04 PM

Account	Device Name	Device ID	Group	Operation	Date	User	Firmware	Last Communication	Vehicle Model	Year	IMEI	Last Location	
pegasus	APL235 Dream On	1001980		Device Added	26/09/2013 11:24	amir	631	26/09/2013 14:06	Toyota Corolla XLI	2007	861001002024657	Al Saeed Hospital, Khanpur Road, Chak 110/P, Gulshan-e-Iqbal, Rahim Yar Khan	
pegasus	L200237	1001977		Device Added	25/09/2013 22:39	amir	631	26/09/2013 14:09	Honda Civic	2008	861001002023709	M.M. Alam Rd, Block K, Gulberg III, Lahore	
pegasus	C20027	1001979		Device Added	25/09/2013 21:48	amir	631	26/09/2013 10:47	Isuzu	2013	861001002024038	Bhatti Dhillwan, Shekhupura, Shekhupura District.	
pegasus	APL235 Dream On	1001975		Device Added	24/09/2013 17:03	amir	627	26/09/2013 14:14	Honda Civic Reborn	2013	861001000754693	Sher Paoo Ply Over, Jail Road, Block H, Gulberg II, Lahore	
pegasus	W200235 (Shahar)	1001973	UDL Distributer	Device Added	23/09/2013 22:48	amir	631	26/09/2013 14:12			861001000776100	Army Quarters, Jhelum Cantt, Jhelum, Jhelum District.	
pegasus	W200235 (JMC)	1001972	UDL Distributer	Device Added	23/09/2013 14:49	amir	631	26/09/2013 14:12			861001002099691	Main Street, Usmania Mohallah, Mandi Bahauddin, Mandi Bahauddin District.	
pegasus	W200235 (JMC)	1001970	UDL Distributer	Device Added	21/09/2013 20:44	amir	631	26/09/2013 12:39	Hyundai Shehzore	2004	861001002024533	UDLD Office, Industrial Estate, Model Town, Gujranwala, Gujranwala District.	
pegasus	W200235 (JMC)	1001967	UDL Distributer	Device Added	21/09/2013 18:23	amir	631	26/09/2013 14:13	Hyundai Shehzore	2004	861001002104608	Pasnur Rd, Jandiala Baghwala, Daska	
pegasus	W200235 (JMC)	1001971	UDL Distributer	Device Added	21/09/2013 13:56	amir	631	26/09/2013 13:46	SUZUKI PICK UP	2006	861001002025910	G.T. Rd, Rahwali, Gujranwala District.	
pegasus	W200235 (JMC)	1001966	UDL Distributer	Device Added	21/09/2013 01:51	amir	631	26/09/2013 14:14	Suzuki Pick up	2012	861001002025423	Service Rd, Faisalabad, Faisalabad District.	
pegasus	W200235 (JMC)	1001964	UDL Distributer	Device Added	20/09/2013 23:31	amir	631	26/09/2013 14:11			2012	861001002022693	Service Rd, Faisalabad, Faisalabad District.
pegasus	W200235 (JMC)	1001963	UDL Distributer	Device Added	20/09/2013 23:18	amir	631	26/09/2013 14:08			2003	861001002026173	Katchehry Rd, Chiniot, Jhang District.
pegasus	W200235 (JMC)	1001962	UDL Distributer	Device Added	20/09/2013 22:12	amir	631	26/09/2013 14:12			2007	861001002091755	Main Bazar, Shorkot Cantonment, Punjab.
pegasus	W200235 (JMC)	1001961	UDL Distributer	Device Added	20/09/2013 13:44	amir	631	26/09/2013 13:11			2007	861001002091631	UDLD Office, Naya Shehar, Jhang, Jhang District.
pegasus	J200235	1001959	Pak Adil	Device Added	20/09/2013 01:49	amir	631	26/09/2013 14:08	HINO	1997	861001002025852	MCB Steel Mills, Data Nagar, Badami Bagh, Lahore	

Action Log Report provides a comprehensive report of actions performed on a device. Events that are reported in this report are Account – Name of the Master account, Device Name, Device ID, Group – Group name will be reported if the device belongs to a certain group, Operation – Operation performed on a device i.e. Added or Deleted, Date & Time – Date & Time when the operation performed on the device, User – Name of the user who performed the operation under Pegasus system, Firmware – Version of the firmware installed in the device, Last Communication – Date & Time of the Last Communication of the device with the Pegasus system, Vehicle Model – Model of the vehicle, Year – Make year of the vehicle, IEMI – IEMI number of the device and Last Location – Last location sent by the device to the Pegasus system. Above image shows how an Action Log Report looks like.

AMF Report

Annual Monitoring Fee Report

Report Run Time: 11/13/2015 11:01:43 AM

Device Name	Device ID	Group	AMF Due	Due At	AMF Paid On	Installation Date	Notes
JF 8338	1009336			11/12/2016 12:00 AM		11/12/2015 12:00 AM	
JU:8665	1009341	AL-ABBAS MOVER		4/28/2016 12:00 AM		4/28/2015 12:00 AM	
BDU:276	1009370	Cars tracking Group		7/14/2016 12:00 AM		7/14/2015 12:00 AM	
JU:6795	1009372	MRS Goods Transport		5/17/2016 12:00 AM		5/17/2015 12:00 AM	
JF-6486	1009390			11/12/2016 12:00 AM		11/12/2015 12:00 AM	
JY:0958	1009301	MASTER MOLTY		5/5/2016 12:00 AM		5/5/2015 12:00 AM	
VACANT -ID JU-8665	1006978			4/28/2016 12:00 AM		4/28/2015 12:00 AM	
LXK:4902	1006979	Sehar Cargo Carrier		4/28/2016 12:00 AM		4/28/2015 12:00 AM	
ATC:890	1007044	EXECL TEX INDUSTRI		5/5/2016 12:00 AM		5/5/2015 12:00 AM	
JX:6164	1007047	ROAD FREIGHT		5/5/2016 12:00 AM		5/5/2015 12:00 AM	
TP:3895	1007049			5/5/2016 12:00 AM		5/5/2015 12:00 AM	
TKN:676	1007051	PK MEAT AND FOOD		5/5/2016 12:00 AM		5/5/2015 12:00 AM	
JY:7366	1008806	ROAD FREIGHT		5/6/2016 12:00 AM		5/6/2015 12:00 AM	
E:7958	1007045	MR GOODS TRIP		5/12/2016 12:00 AM		5/12/2015 12:00 AM	
TAD:404	1007152			5/13/2016		5/13/2015	

AMF Report – is designed for Corporate Groups including Insurance Companies, Rental companies, Banks and Fleet Management Services providers who are handling a complete fleet of vehicles and requires a comprehensive report of Annual Monitoring Fee for their dues and their accountability. This report will be fetched from Master Accounts through clicking AMF Report icon on 'Reports Window'.

NR/ Unlocked Devices Report

Device Name	Device ID	Group	SIM Number	GPS Status	Code Version	Last Communication	SIM Responding	Notes	Last Location
TEST Board 3	1001088		+923458439412	Locked	625	14/05/2013 04:04	True		OFC, Block L, Johar Town - Phase 2, Lahore
L2U-107N	1001323		+923458421965	Locked	625	18/05/2013 19:33	True		Sargodha Rd, Faisalabad, Faisalabad District.
SHL-108E	1001085	Rev M-8	+923028437574	Unlocked	625	29/05/2013 18:50	True		Multan Rd, Lahore District.
MS-Track 3	1001603	TEST	+923448401385	Locked	460	24/06/2013 21:00	True		OFC, Block L, Johar Town - Phase 2, Lahore
MSF Battery test	1001318		+923448402534	Locked	627	02/07/2013 10:18	True		OFC, Block L, Johar Town - Phase 2, Lahore
MSF	1001512	TEST	+923448401675	Locked	463	05/07/2013 19:48	True		OFC, Block L, Johar Town - Phase 2, Lahore
SHL-102P	1001606	TEST	+923448401374	Locked	630	06/07/2013 16:54	True		OFC, Block L, Johar Town - Phase 2, Lahore
MSF	1001573	TEST	+923448401142	Locked	463	06/07/2013 20:20	True		Bhera Malakwal Rd, Sargodha District.
L2U-Track3	1001607	Vehicle Test	+923448401553	Locked	463	15/07/2013 23:09	True		Pepsi Factory, , Bahria Town, Rawalpindi, Rawalpindi Tehsil
L2U-Track3	1001601	Vehicle Test	+923458439419	Locked	463	16/07/2013 05:35	True		Pepsi Factory, Bahria Town, Rawalpindi, Rawalpindi Tehsil
MSMS2 Track Board	1001329	TEST	+923448401631	Locked	463	19/07/2013 01:13	True		Pepsi Factory, , Bahria Town, Rawalpindi, Rawalpindi Tehsil
MSF	1001081	TEST	+923448401209	Locked	627	23/07/2013 10:38	True		Ufone Office, Guru Mangat Rd, Block Q, Gulberg III, Lahore
MS-Track 3	1001605	TEST	+923448401376	Locked	463	26/07/2013 02:34	True		I 10 Markaz, Sohni Road, I-10 Markaz, I-10, Rawalpindi, Rawalpindi Tehsil
L2U-Track3	1000916	TEST	+923448401451	Locked	463	26/07/2013 17:35	True	No Power	OFC, Block L, Johar Town - Phase 2, Lahore, Lahore District.

NR/ Unlocked Devices Report provide you an overview of all the devices in the Pegasus system under an Account head. Clicking this report will open up a dialog box (Image provided below) which contains text boxes to input the period of time in hours. Specify the time for such devices which were not responding from a given period of time in “Not Responding from”. Devices could also be excluded from the search which were not responding from the given period of time in “Exclude NR for more than” and it is an optional. A check box to include the GPS status of the devices that will appear under the given period of timings and click Get Report.

NR/Unlocked Devices Report

This report generates the detail of such devices which were not responding from a given period of time (hours) and such devices which were unlocked GPS satellite for the given period (hours)

Not responding from hours

Exclude NR for more than hours (optional)

GPS Unlocked:

A report will be generated which will contain data extracted from the database, as per the Time range specified, in a new tab or window. Events that are reported in this report are Device Name, Device ID, Group – group name will be displayed if the device belongs to any group, SIM Number, GPS Status – Lock/ Unlock, Coder Version - Firmware version currently installed, Last Communication - Date & Time when the device communicated with the Pegasus system for the last time, Notes and Last Location - Location sent by the device when communicated for the last time. Above image shows how a NR/ Unlocked Devices Report look like.

SIM Report

The screenshot shows a web browser window displaying the 'SIM Report' page. At the top, there are navigation controls (back, forward, search) and a '100%' zoom level. Below the browser window, the report header includes 'Report Run Date' (7/2/2013 5:25:35 PM) and 'SIM Selection' (All). The main data is presented in a table with the following columns: Sim Number, SIM Type, SIM Status, Device/Vehicle, Device ID, Group, Issued Date, Activation Date, and IMEI. The table contains five rows of data, all for 'Postpaid' SIMs with 'Active' status, issued to the 'Head Office' group.

Sim Number	SIM Type	SIM Status	Device/Vehicle	Device ID	Group	Issued Date	Activation Date	IMEI
+923458450309	Postpaid	Active	XXXXXXXX	1001401	Head Office			861001000734679
+923458450365	Postpaid	Active	XXXXXXXX	1001427	Head Office	5/17/2013 12:00:00 AM	5/14/2013 12:00:00 AM	861001000745931
+923458450417	Postpaid	Active	XXXXXXXX	1001425	Head Office	5/16/2013 12:00:00 AM	5/14/2013 12:00:00 AM	861001000746301
+923458417346	Postpaid	Active	XXXXXXXX	1001426	Head Office	5/16/2013 12:00:00 AM	5/14/2013 12:00:00 AM	861001000740502
+923458450428	Postpaid	Active	XXXXXXXX	1001430	Head Office	5/17/2013 12:00:00 AM	5/16/2013 12:00:00 AM	861001000746293

SIM Report provides a comprehensive report of all the SIMs added into the Pegasus system SIMs module. Clicking this report will open up a dialog box where you can select All, Assigned SIMs or Unassigned SIMs from the SIM Mode dropdown box and clicking Get Report button.

Events that are reported in this report are SIM Number – Number of the SIM, SIM Type – Type of SIM i.e. Prepaid or Postpaid, SIM Status – Status of the SIM either its activated or de-activated, Device – Name of the device with which it has been added to the Pegasus system, Device ID – Displays the ID of the device, Group – Displays the name of the Group if the device is added under a specific group, Issued Date – Displays the date & time of SIM issued by the operator, Activation Date– Date & Time of the SIM when activated and IMEI– Displays the IMEI number of the device to which the SIM is attached in SIM management module. Above image shows how an Action Log Report looks like.

Note: Please note that all the columns of SIM Report depend on the records created under SIM management module, available on the main GUI of the Pegasus system.

Attribute Report

Attribute Report – is designed for such users who are handling a complete fleet of vehicles and requires a comprehensive report of events which has specific device attribute like 'Door open' or 'Safe Open' made by all the vehicles that are in a group/ fleet. Clicking this report will open up a dialog box (Image provided below) which contains a dropdown list labeled as Device, where a single vehicle could be selected from the list available to generate a report for a specific vehicle. To get a report for the whole

The screenshot shows a dialog box for the Attribute Report. It features a table with columns for Vehicle, Trips, Driving Time (hrs), Idle Time (hrs), Stop Time (hrs), Distance Traveled, and Avg Speed. The table lists various vehicles with their corresponding metrics. A dropdown menu is visible at the top left of the table, labeled 'Vehicle'.

Vehicle	Trips	Driving Time (hrs)	Idle Time (hrs)	Stop Time (hrs)	Distance Traveled	Avg Speed
AKU007 (Ahmad Chahag)	11.00	0.98	0.21	0.16	31.09	17.90
AKU008 (Ahmad Chahag)	10.00	0.62	0.26	0.45	11.94	28.49
AKU009 (Ahmad Chahag)	2.00	0.61	0.07	0.03	36.53	21.84
AKU010 (Ahmad Chahag)	0.00	0.00	0.00	0.00	0.00	0.00
AKU011 (Ahmad Chahag)	3.00	0.98	0.08	0.04	44.15	21.19
AKU012 (Ahmad Chahag)	10.00	1.33	0.37	0.06	44.35	4.77
AKU013 (Ahmad Chahag)	15.00	5.16	0.28	0.12	304.13	13.87
AKU014 (Ahmad Chahag)	12.00	0.49	0.06	0.87	5.36	1.96
AKU015 (Ahmad Chahag)	11.00	2.08	0.07	0.13	78.99	11.31
AKU016 (Ahmad Chahag)	11.00	0.34	0.20	0.16	16.78	11.03
AKU017 (Ahmad Chahag)	9.00	2.98	0.38	0.09	141.34	1.79
AKU018 (Ahmad Chahag)	10.00	1.13	0.07	0.34	29.51	3.09
AKU019 (Ahmad Chahag)	19.00	1.51	0.31	0.23	48.60	20.95
AKU020 (Ahmad Chahag)	11.00	3.83	0.18	0.13	351.90	9.65
AKU021 (Ahmad Chahag)	7.00	2.61	0.22	0.06	124.87	22.03
AKU022 (Ahmad Chahag)	10.00	1.14	0.31	0.17	15.90	3.09
AKU023 (Ahmad Chahag)	12.00	4.24	0.36	0.15	204.07	9.88
AKU024 (Ahmad Chahag)	10.00	1.03	0.19	0.23	20.71	12.98
AKU025 (Ahmad Chahag)	11.00	1.85	0.12	0.12	85.02	3.59
AKU026 (Ahmad Chahag)	12.00	1.89	0.21	0.17	71.00	28.37
AKU027 (Ahmad Chahag)	12.00	0.28	0.21	0.41	13.05	22.25
AKU028 (Ahmad Chahag)	11.00	1.37	0.44	0.10	61.12	12.89
AKU029 (Ahmad Chahag)	14.00	1.30	0.13	0.15	40.01	26.04
AKU030 (Ahmad Chahag)	10.00	0.37	0.09	0.14	11.06	1.01
AKU031 (Ahmad Chahag)	9.00	0.37	0.02	0.08	14.64	41.94

group, select the desired group from the dropdown list labeled as Group. Enable the check box labeled as All Vehicles if report is required for all the vehicles that are under different groups exist under a master account. Specify Report Time Period which includes Date & Time range, Select Input and its On/Off state and click Get Report.

Device Maintenance

Complete maintenance history of a device could also be saved in the Pegasus System which is mostly needed by such companies maintaining a large fleet of vehicles. Selecting this option will open Device Maintenance dialog box as shown in the below image:

Date	Vehicle Reg No.	Current SIM	Current IMEI	Current Firmware	New SIM	New IMEI
4/27/2013	BD51SMR	+447123456789	12896002641824	423	+449876543212	86178500131

Current Device Maintenance:

User ID: Edward Collin Vehicle Reg No.: BD51SMR

Current SIM: +447123456789 New SIM: +449876543212

Current IMEI: 12896002641824 New IMEI: 861785001317688

Current Code Version: 423 New Code Version:

Problem IN: Device Date: 4/27/2013

Action Taken: Current SIM Detached

Notes:

Buttons: New Device Maintenance..., Save, Delete, Cancel

Device Maintenance Form dialog box is divided into two segments; the upper part of the Device Maintenance Form dialog box is called Device Maintenance Grid where all the details of a device maintenance history could be viewed. The rest of the part is meant to add new maintenance details or edit any previous details. Let's create a new Device Maintenance and we will go through all the input boxes in detail.

Click New Device Maintenance button and you will notice that an empty form with different options will appear in the second half of the Device Maintenance Form. Now it's time to fill in the rest of the fields as described below:

K. User ID

User ID text box will populate automatically and it will be same user ID with which you have logged in to the Pegasus system.

L. Vehicle Registration Number

Enter the Vehicle Registration Number for which the device maintenance is performed.

M. Current SIM

Current SIM text box will populate automatically and will show the SIM number currently used in the device.

N. New SIM

Enter the New SIM number if current SIM has been replaced. Leave blank if not.

O. Current Code Version

Current Code Version text box will populate automatically and will display the version of the firmware currently installed in the device.

P. New Code Version

Enter the New Code Version if the firmware of the device is updated.

Q. Problem In

Select the appropriate options for problem area from the dropdown list for which the device maintenance has been performed.

R. Date

Select the date from the associated calendar when the device maintenance has been performed.

S. Action Taken

Write the Action Taken against the problem detected while performing device maintenance.

T. Notes

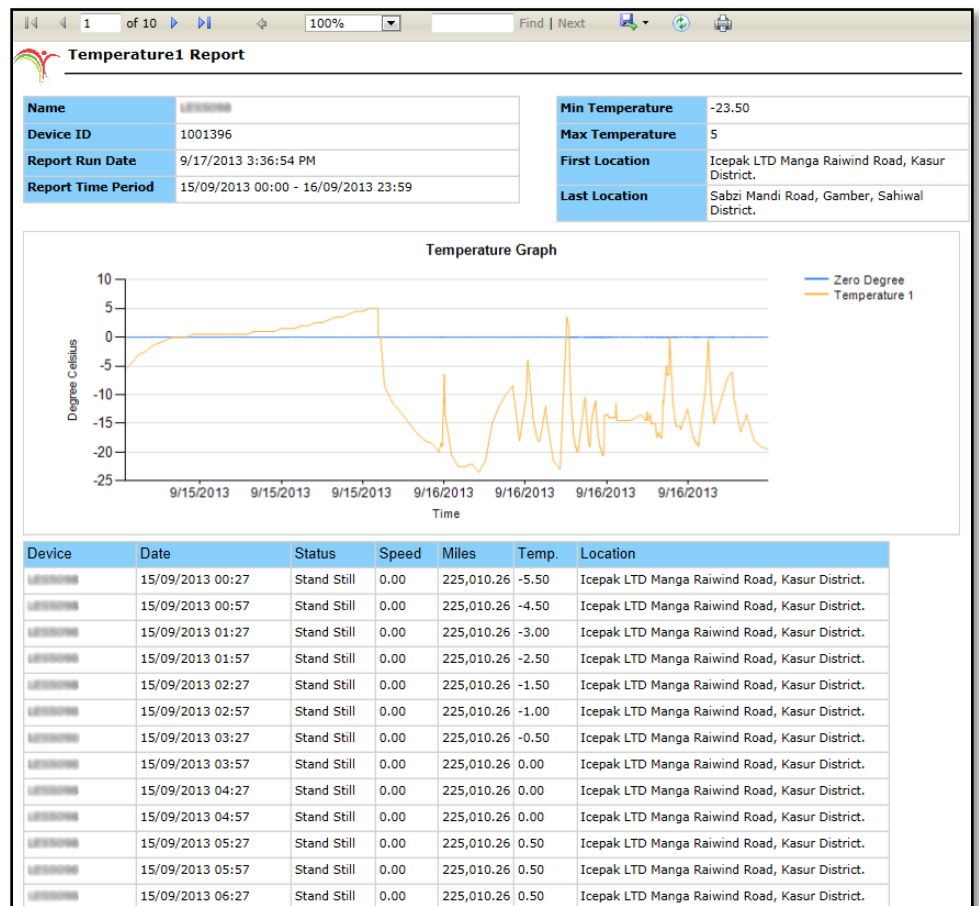
Write Notes in this field and these notes could be related to the part changed in the device or according to the device maintenance performed.

GEO Fence Report

Vehicle	Zone	Entry Time	Exit Time	Time Spent Inside	Time Outside	Distance
AND:665	karachi	Thursday, November 5, 2015 4:05 PM	Still present	8.07:54:52	00:00:00	0 Km
APH-463	karachi	Sunday, November 1, 2015 1:11 AM	Wednesday, November 4, 2015 7:35 PM	3.18:24:48	00:00:00	0 Km
	karachi	Thursday, November 5, 2015 1:40 AM	Still present	8.22:19:15	06:04:52	263 Km
BF-7340	karachi	Thursday, November 5, 2015 6:47 PM	Still present	8.05:12:58	00:00:00	0 Km
AYT-372	karachi	Sunday, November 1, 2015 12:23 AM	Still present	12.23:36:15	00:00:00	0 Km
BDZ:166	karachi	Sunday, November 1, 2015 2:02 PM	Sunday, November 1, 2015 3:18 PM	01:15:30	00:00:00	0 Km
	karachi	Monday, November 2, 2015 9:45 PM	Tuesday, November 10, 2015 10:23 AM	7.12:37:55	1.06:26:49	497 Km
	karachi	Tuesday, November 10, 2015 10:15 PM	Still present	3.01:44:52	11:52:04	538 Km
BDU:276	karachi	Wednesday, November 11, 2015 12:55 PM	Still present	2.11:04:15	00:00:00	0 Km

GEO Fence Report – This report details the entries and exits of vehicles inside and outside of the defined GEO Fences. Clicking this report will open up a dialog box (*Image provided below*) which contains a dropdown list labeled as Device, where a single vehicle could be selected from the list available to generate a report for a specific vehicle. To get a report for the whole group, select the desired group from the dropdown list labeled as Group. Enable the check box labeled as All Vehicles if report is required for all the vehicles that are under different groups exist under a master account. Specify Report Time Period which includes Date & Time range, Select Route/Zone from side window and click Get Report.

A report will be generated which will contain data extracted from the database, as per the Date & Time range specified, in a new tab or window. Events that are reported in this report are Device Name, Date & Time at which device communicated the temperature reading, Status of vehicle, Speed of the vehicle, Odometer, Temperature reported and current Location of the vehicle. A graph is also created as per the values extracted from the database. Above image shows how a Temperature Report looks like.



The 'Temperature History Report' dialog box contains the following fields and buttons:

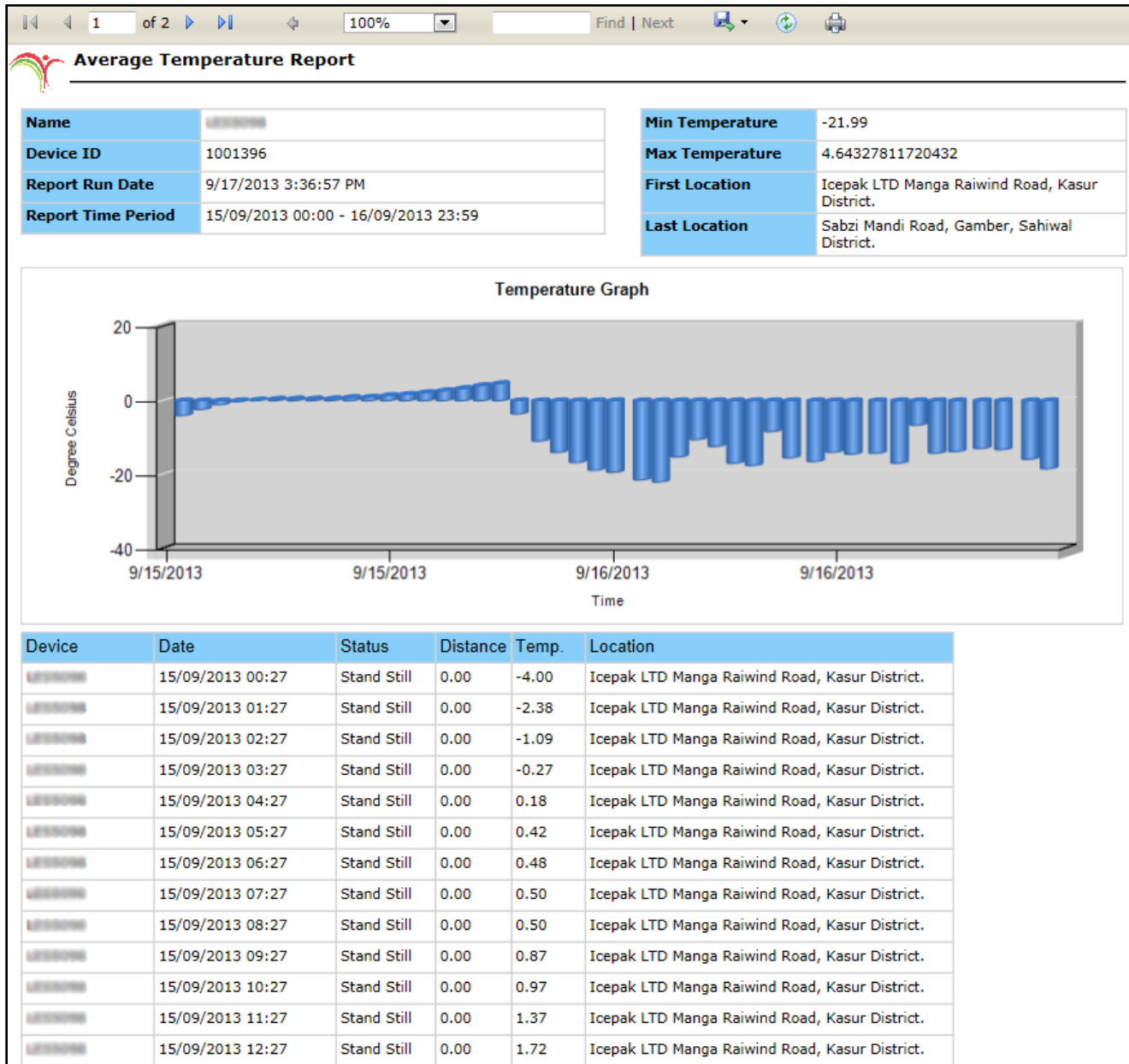
- Device:** A dropdown menu.
- Report Time Period:**
 - From:** 09/12/2013 00:00
 - To:** 09/12/2013 23:59
- Avg Duration:** 2 hours
- Buttons:** Exact Report, Avg Report, Cancel

Text inside the dialog: "This report shows the detail and graph of the temperature sensor in the vehicle. 'Exact Report' shows temperature variation exactly. Whereas 'Average Report' shows variations averaged over a 2-hour periods."

Temperature Report provides a detail history and graph of the temperature sensor installed in a vehicle with the device. Clicking this report will open up a dialog box which contains a dropdown list labeled as Device, where you can select a vehicle from the list available in which temperature sensor is installed, specify Report Time Period which includes Date & Time range, specify Average Duration in hour (by default it is set to 2 hours) and click Exact Report button.

Temperature Report – Average Report

Temperature Report provides a detail history and graph of the temperature sensor installed in a vehicle with the device. Clicking this report will open up a dialog box (complete details about the dialog box are given above under Temperature Report – Exact Report) and click Average Report button.



A report will be generated which will contain data extracted from the database, as per the Date & Time range specified, in a new tab or window as per the value of Average Duration set. Events that are reported in this report are Device Name, Date & Time at which device communicated the temperature reading, Status of vehicle, Speed of the vehicle, Odometer, Temperature reported and current Location of the vehicle. A graph is also created as per the values extracted from the database. Above image shows how a Temperature Report looks like.

Trip Exception Report

This report will provide you analysis of a vehicle or group when your trip time is more important. This report will analysis total travelled distance with trip time and expected time. More importantly if vehicle gets late from expected time, it will be highlighted in difference of time. Start location with reached location along with exact timing makes this report worthy.

Trip Exception Report

This report provides Exceptions in Trips. Exception happens when the time spent on the trip is more than the Expected Time. Expected time is calculated by using distance travelled and Average Speed specified in Vehicle Form

Vehicle:

Group: All Vehicles

Report Time Period:

From:

To:

Ignore Short Stops of minutes

Ignore trip shorter than km Excel Format Times

For getting this report you need to select vehicle or group from the available dropdown list or you may find it by search vehicle option.

Report time period will offer you short cuts to specify time frame.

Ignore short stops and Ignore trip shorter than options are available for customization according to the need of report.

The report will be generated which will contain data extracted from the database, as per the Date & Time range specified, in a new tab or window. Events that are reported in this report are Device Name, Date & Time, travelled distance, trip time, expected trip duration, calculate difference between trip time and expected time if any along with trip locations details.

1 of 40 Find | Next

Trip Exception Report

Report For	All Vehicles	Total Distance	235,196.04 Km	Total Idle Time	
Report Run Time	6/23/2018 12:58 PM	Total Driving Time	8h 53m		
Report Time Period	6/22/2018 12:00 AM - 6/22/2018 11:59 PM	Total Trips	1441		

Start	End	Distance	Trip Time	Expected Time	Difference	Start Location	Reached Location
Vehicle: 00 Group: U Driver:							
6/22/2018 3:43 AM	6/22/2018 5:36 AM	59 km	1h 52m	1h 3m	48m	Unit-8, FSD, Faisalabad	Nankana Sb, Sheihkukur, Sheihkukur
6/22/2018 6:39 AM	6/22/2018 8:05 AM	36 km	1h 25m	39m	45m	Nankana Sb, Sheihkukur, Sheihkukur	Jaranwala, NULL, NULL
6/22/2018 8:44 AM	6/22/2018 10:38 AM	46 km	1h 53m	49m	1h 4m	Jaranwala, NULL, NULL	Unit-8, FSD, Faisalabad
Vehicle: LES Group: Rented Driver:							
6/22/2018 12:10 AM	6/22/2018 1:25 AM	31 km				Bhattha Chowk, NULL, NULL	Unit-6, Raiwind City, Lahore
6/22/2018 2:26 AM	6/22/2018 2:28 AM	0 km				Unit-6, Raiwind City, Lahore	Unit-6, Raiwind City, Lahore
6/22/2018 3:18 AM	6/22/2018 3:31 AM	0 km				Unit-6, Raiwind City, Lahore	Unit-6, Raiwind City, Lahore
6/22/2018 3:53 AM	6/22/2018 4:30 AM	20 km				Unit-6, Raiwind City, Lahore	Ferozpur Road
6/22/2018 7:05 AM	6/22/2018 7:50 AM	38 km				Ferozpur Road	Kasur, NULL, NULL
6/22/2018 8:53 AM	6/22/2018 8:54 AM	0 km				Kasur, NULL, NULL	Kasur, NULL, NULL
6/22/2018 9:31 AM	6/22/2018 10:53 AM	44 km				Kasur, NULL, NULL	Ohad Motors (Pvt) Ltd, 10-km, Raiwind Road, Lahore
6/22/2018 11:25 AM	6/22/2018 11:27 AM	0 km				Ohad Motors (Pvt) Ltd, 10-km, Raiwind Road, Lahore	Ohad Motors (Pvt) Ltd, 10-km, Raiwind Road, Lahore
6/22/2018 2:29 PM	6/22/2018 3:16 PM	2 km				Ohad Motors (Pvt) Ltd, 10-km, Raiwind Road, Lahore	Unit-6, Raiwind City, Lahore
6/22/2018 3:48 PM	6/22/2018 4:00 PM	0 km				Unit-6, Raiwind City, Lahore	Unit-6, Raiwind City, Lahore
6/22/2018 5:37 PM	6/22/2018 7:13 PM	32 km				Unit-6, Raiwind City, Lahore	DHA FF, NULL, NULL
6/22/2018 9:48 PM	6/22/2018 10:36 PM	25 km				DHA FF, NULL, NULL	Unit-6, Raiwind City, Lahore
6/22/2018 11:07 PM	6/22/2018 11:08 PM	0 km				Unit-6, Raiwind City, Lahore	Unit-6, Raiwind City, Lahore

Shipment Report

New shipment details along with selected vehicle information can be set under vehicle tab in main GUI of Pegasus system.

Shipments Report

The Shipments Report provides details of the shipments carried by the selected vehicles. This report can be generated for selected time period.

Vehicle: Search Vehicle

Group: All Vehicles

Report Time Period:

From:

To:

Not delivered in hours

Delivery Exceptions

The report contains comprehensive details such as shipment order number, selected vehicle number, source and destination of shipment, status of shipment, weight of shipment, start time of loading, end time of loading, delivery time with finishing up time of the shipment delivery.

1 of 9 Find | Next Email Report

Shipments Report

Report For	All Vehicles		
Report Run Date	6/19/2018 11:45 AM		
Report Time Period	12/1/2017 12:00 AM - 12/30/2017 11:59 PM		

Order Number	Vehicle	Source	Destination	Status	Vehicle Type	Weight (Tons)	Order Time	Loading At	Loading End	Delivery At	Delivery End
4014296395	Rented Vehicle	SK Factory	ISB	None	6 W	934	12/2/2017 4:39 PM				
4014390777	Rented Vehicle	SK Factory	ISB	None	14 W	2469	12/4/2017 2:51 PM				
4014447663	Rented Vehicle	SK Factory	GUJ	None	6 W	2383	12/6/2017 11:26 AM				
4014419420	Rented Vehicle	SK Factory	LHR	None	6 W	6411	12/6/2017 1:23 PM				
4014419416	Rented Vehicle	SK Factory	BWP	None	6 W		12/6/2017 3:51 PM				
4014447668	Rented Vehicle	SK Factory	BWP National	None	6 W	8132	12/6/2017 11:20 PM				
P100004882	Rented Vehicle	SK Factory	GUJ	None	6 W	2383	12/7/2017 6:48 PM				
4014493726	Rented Vehicle	SK Factory	JLM	None	6 W		12/8/2017 10:18 AM				
4014495264	Rented Vehicle	SK Factory	FSD	None	6 W		12/8/2017 11:42 AM				
4014469515	Rented Vehicle	SK Factory	SGD	None	6 W	6411	12/9/2017 9:02 AM				
4014454881	Rented Vehicle	SK Factory	SGD	None	6 W	6411	12/9/2017 9:04 AM				

Vehicle Report

This report provides vehicle record of each vehicle in the selected group. If no group available or selected, then all of the authorised devices will be included in report.

Sr.	Group	Vehicle	Model	Engine No.	Chassis No.	Make	Engine Capacity	Body Type	Notes
	Sidd	AAW-16-	2016	Z42	NZE170	Toyota Corolla Xli			
	Sidd	LE	2010	Y211	NZE140	TOYOTA COROLLA XLI			
	Sidd	LE-16	2016	65	409	Toyota Corolla Gli			
	Sidd	SH-	2010	178	140	Toyota Corolla Xli			
	Sidd	LE	2013	68	1402	Corolla			
	Sidd	RIF	2006	451	12	Corolla			

All information regarding vehicle can be added in Manage vehicle under Vehicle tab in the main menu. This report will show Group name, Vehicle registration number with Make / Model, Engine / chassis number with Engine capacity.

Ignition ON / OFF Report

This report will extract information from data base only for IGN ON/OFF with location respectively. You can have this report for single vehicle or a group. For group selection, it will show you all vehicle IGN ON/OFF vehicle as listed in below pictures.

You can select vehicle from the list or group selection is available in case of master account is being used for your fleet.

If you select only group without selecting its vehicle, it will show all the vehicle containing in specific group.

Time period can be set by using standard shortcuts or customized according to your need.

You can set minimum threshold for short stops and short trips.

Pegasus does support to export your selected report to excel format as well as email to multiple recipient. Which will discuss later in report section.

It will calculate total distance, driving time with number of trips. In Pegasus System trips are calculated with combination of ignition ON/OFF instead of source and destination.



Ignition On/Off Report

Report For	Group: Satmo	Total Distance	6,421.12 Km	Total Idle Time
Report Run Time	25/06/2018 14:39	Total Driving Time	4h 26m	
Report Time Period	25/06/2018 00:00 - 25/06/2018 23:59	Total Trips	434	

IGN On At	Location	IGN Off At	Location
Vehicle: AAA			
25/06/2018 08:51	anbar fany, Pakistan, Kalam	25/06/2018 08:58	anbar fany, Pakistan, Kalam
25/06/2018 09:01	anbar fany, Pakistan, Kalam	25/06/2018 09:03	PTDC Motel Kalam, KPK, N-95, Kalam
25/06/2018 09:09	PTDC Motel Kalam, KPK, N-95, Kalam	25/06/2018 09:20	anbar fany, Pakistan, Kalam
Vehicle: AAT			
25/06/2018 09:03	Bin Abdullah International, House # 1 ,Abdullah Street,Main Khyayaban-e-Tanveer road,, Chaklala Scheme III, Rawalpindi	25/06/2018 09:33	Brdige, Kahuta Road, Sihala, Islamabad District.
Vehicle: AAU			
25/06/2018 00:00	Lahore-Islamabad Motorway, Chakwal.	25/06/2018 00:29	Kalla Kahar Petrol Station M2 Motorway, Chakwal
25/06/2018 08:35	Kalla Kahar Petrol Station M2 Motorway, Chakwal	25/06/2018 08:44	Orient Motors & Rent A Car Service, Chakwal-Kallar Kahar Rd, Melad Chowk, Kallar Kahar, Punjab
25/06/2018 09:14	Orient Motors & Rent A Car Service, Chakwal-Kallar Kahar Rd, Melad Chowk, Kallar Kahar, Punjab	25/06/2018 09:25	Kalar Kahar Inter Change, Choa Saidan Shah Road, Chakwal.
25/06/2018 10:05	Kalla Kahar Petrol Station M2 Motorway, Chakwal	25/06/2018 10:46	Badshahpur, Badshahpur Link Road, Chakwal.
25/06/2018 11:27	Badshahpur, Badshahpur Link Road, Chakwal.	25/06/2018 11:31	Badshahpur, Badshahpur Link Road, Chakwal.
25/06/2018 12:09	Badshahpur, Badshahpur Link Road, Chakwal.	25/06/2018 12:32	Masjid-e-Aqsa Kalar Kahar Road, Kalar Kahar Road, Chakwal.

Naxertech

Notification Report

Notification report is quite similar to Alerts Report. It shows alerts or notification of the selected vehicles which are configured for notification from main Menu under Notifications.

A report will be generated which will contain data extracted from the database, as per the Date & Time range specified, in a new tab or window. Events that are reported in this report are Device ID, Date Time - *Date & time when the alerts generated*, Speed - *Speed gained by the vehicle*, Alert - *What alert generated by the tracking device* and Location - *Location of the vehicle when the alert was generated*. below image shows how an Alerts / Notification Report looks like.

Device	Date	Speed (km/h)	Alerts	Location
LEC	25/06/2018 08:52	0.0	Alert message from LEC was received. At 6/25/2018 8:52 AM it moved with speed 0 near Chenab Block, Allama Iqbal Town, Lahore ON status: IGNITION POWER_LOW	Alert message from LEC was received. At 6/25/2018 8:52 AM it moved with speed 0 near Chenab Block, Allama Iqbal Town, Lahore ON status: IGNITION POWER_LOW
LEC	25/06/2018 18:46	0.0	Alert message from LEC was received. At 6/25/2018 6:45 PM it moved with speed 0 near LOFT CO Ltd Defence Rd LHRON status: IGNITION POWER_LOW	Alert message from LEC was received. At 6/25/2018 6:45 PM it moved with speed 0 near LOFT CO Ltd Defence Rd LHRON status: IGNITION POWER_LOW
LEC	25/06/2018 20:08	0.0	Alert message from LEC was received. At 6/25/2018 8:08 PM it moved with speed 0 near Azm-e-Alishan School , Lahore ON status: IGNITION POWER_LOW	Alert message from LEC was received. At 6/25/2018 8:08 PM it moved with speed 0 near Azm-e-Alishan School , Lahore ON status: IGNITION POWER_LOW
LEC	25/06/2018 20:11	0.0	Alert message from LEC was received. At 6/25/2018 8:10 PM it moved with speed 0 near Azm-e-Alishan School , Lahore ON status: IGNITION POWER_LOW	Alert message from LEC was received. At 6/25/2018 8:10 PM it moved with speed 0 near Azm-e-Alishan School , Lahore ON status: IGNITION POWER_LOW

Daily Summary Report.

The Report extracts summary of a vehicle distance travelled within a day including starting KM, ending KM with locations. The report is capable to extract information for a single vehicle or for a whole group.

If you do select a group it will show summary of all vehicle which are in the group. For example, please see the picture

Date	Vehicle	Start KM	End KM	Distance (KM)	Stop Time	Idle Time	Running Time	Avg Running Time Per Hour	Start Location	End Location	Comments
05/04/2018	P-669	739,414	739,846	432	02:08:36	00:00:00	21:46:20	00:54:37	MCB, Kallar Kahar-Choa Saidan Shah Rd, Khairpur, Punjab	Gujranwala Coca Cola	
	LRO-87	545,943	546,175	232	04:54:32	00:00:00	19:02:42	00:47:42	Super Marble Factory, GT Rd, Gujjar Khan	Hafeez Petrol Pump, Kalar Kahar Road, Titral	
	IDS936	157,391	157,692	301	05:39:33	00:00:00	17:45:34	00:45:30	Online Quran Learning, Raiwind Road, Lahore	Bestway cement Factory Kalar Kahar Road, BCL Road, Chakwal.	
	P-834	4,630	4,925	295	02:22:09	00:00:00	20:37:08	00:53:49	Bestway cement Factory Kalar Kahar Road, BCL Road, Chakwal.	Style Campus Near Raiwind Rd Manga Mandi.	
	TLX-63	61,872	62,202	330	03:19:11	00:00:00	20:27:51	00:51:38	On Motorway (M2) Lhr 2 Pindi, Lahore-Islamabad Motorway, Sheikhpura.	Bakri Petrol Pump, Choa Saidan Shah Road	
06/04/2018	P-669	739,846	740,060	214	04:42:11	00:00:00	1:16:13:59	00:53:43	Gujranwala Coca Cola	coca cola sales office, Kahuta Road	
	LRO-87	546,175	546,463	288	08:58:36	00:00:00	1:14:38:57	00:48:41	Hafeez Petrol Pump, Kalar Kahar Road, Titral	Lehna Singhwala, DHA Phase 6	
	IDS936	157,692	157,944	252	11:53:45	00:00:00	1:11:40:53	00:45:00	Bestway cement Factory Kalar Kahar Road, BCL Road, Chakwal.	Ayesha Clinic, Lahore	
	P-834	4,925	5,218	293	06:05:21	00:00:00	1:17:35:48	00:52:20	Style Campus Near Raiwind Rd Manga Mandi.	Bestway cement Factory Kalar Kahar Road, BCL Road, Chakwal.	
	TLX-63	62,202	62,466	264	05:21:51	00:00:00	1:17:50:22	00:53:11	Bakri Petrol Pump, Choa Saidan Shah Road	Ravi Autos Pvt Ltd, Jaranwala Rd, Chattha Colony, Begum Kot, Lahore, Punjab	

Activity Summary Report provides you an overview of complete summary of the vehicle activity for each day. Clicking this report will open up a dialog box (Image provided below) which contains a dropdown list labeled as Device, where you can select a vehicle from the list available, specify Report Time Period which includes Date & Time range and click Get Report.

Daily Summary Report

This report gives you a comprehensive detail of daily activity by vehicles. It includes Mileage, Start Stop Locations, Idle Time, On Time, Stop Time and Average Running Time.

Vehicle: Search Vehicle

Group: All Vehicles

Report Time Period:

From: Do Analysis

To: 0-24h Periods

A report will be generated which will contain data extracted from the database, as per the Date & Time range specified, in a new tab or window. Events that are reported in this report are Device Name, From - Start Date & Time of vehicle activity, To - End Date & Time of vehicle activity, Total Distance - Total distance covered during vehicle activity, Total Travel Time - Total duration of vehicle activity, Total Idle Time - Total duration of vehicle idling during the vehicle activity, Max Speed - Maximum speed gained by the vehicle during vehicle activity and Average Speed - Average speed gained by the vehicle during vehicle activity. Above image shows how an Activity Summary Report looks like.

Trip Report – Excel Sheet

Trip Start	Trip End	Driving Time	Idle Time	Stop Time	Distance	Avg Speed	Start Odo	End Odo	Fuel Used	Stay Time	Start Location	Reached Location
01-05-2018 05:54	01-05-2018 09:44	2h 59m	0h 6m	0h 43m	250.81 km	80.68 km/hr	177	428	22.74 l		NaxerTech Lahore	Kalliar Kahar, , Punjab, Mott Chakwal Road, Nurpur - Ch
01-05-2018 10:15	01-05-2018 10:46	0h 24m	0h 4m	0h 2m	8.17 km	16.87 km/hr	428	436	0.81 l		Kalliar Kahar, , Punjab, Motorway (M2), MianWali - Chakwal Road, Nurpur - Chakwal Road	Khandowa, Khandowa Rd, I
01-05-2018 16:12	01-05-2018 16:38	0h 18m	0h 0m	0h 6m	8.18 km	26.34 km/hr	436	444	0.88 l		Khandowa, Khandowa Rd, Khandowa, Pakistan	Haidree Hotel, Chakwal Ro
01-05-2018 17:07	01-05-2018 20:55	3h 27m	0h 7m	0h 13m	249.42 km	69.70 km/hr	444	694	22.94 l		Haidree Hotel, Chakwal Road, Kalliar Kahar	NaxerTech Lahore
02-05-2018 10:40	02-05-2018 12:31	1h 35m	0h 5m	0h 11m	66.82 km	39.99 km/hr	694	761	6.59 l		NaxerTech Lahore	CNG Station, Sheikhpura-I Sheikhpura
02-05-2018 16:32	02-05-2018 17:36	0h 36m	0h 2m	0h 25m	10.19 km	15.60 km/hr	761	771	0.98 l		CNG Station, Sheikhpura-Faisalabad Rd, Nowan Kot, Sheikhpura	Havily House, , Punjab
02-05-2018 18:03	02-05-2018 19:18	1h 12m	0h 2m	0h 0m	59.06 km	47.49 km/hr	771	830	5.88 l		Havily House, , Punjab	NaxerTech Lahore
03-05-2018 12:36	03-05-2018 12:55	0h 16m	0h 0m	0h 3m	5.34 km	19.92 km/hr	830	836	0.58 l		NaxerTech Lahore	Anmol Cinema, Block 5 - Sector A2, Township, Lahore District.
03-05-2018 15:17	03-05-2018 15:56	0h 35m	0h 2m	0h 1m	14.49 km	23.12 km/hr	836	850	1.47 l		Anmol Cinema, Block 5 - Sector A2, Township, Lahore District.	Babu Sabu, Sabzazar, Laho
03-05-2018 16:43	03-05-2018 17:36	0h 52m	0h 0m	0h 0m	11.36 km	13.02 km/hr	850	862	1.11 l		Babu Sabu, Sabzazar, Lahore, Punjab	NaxerTech Lahore
04-05-2018 16:34	04-05-2018 18:04	1h 21m	0h 0m	0h 8m	51.91 km	37.98 km/hr	862	914	4.81 l		NaxerTech Lahore	Model Industries, Nationa Lahore District.
04-05-2018 18:59	04-05-2018 20:34	1h 26m	0h 4m	0h 3m	45.13 km	29.86 km/hr	914	959	4.52 l		Model Industries, National Highway 5, Kasur District. Pak Arab Housing Semeer Main Gate, Defence Road, Lahore District.	Pak Arab Housing Semeer M Lahore District.
04-05-2018 21:39	04-05-2018 22:08	0h 20m	0h 8m	0h 0m	10.19 km	21.02 km/hr	959	969	1.08 l		Pak Arab Housing Semeer Main Gate, Defence Road, Lahore District.	Pakistan Railway Academy Lahore

A report will be generated which will contain data extracted from the database with Fuel Entries Analysis as per the specified Date & Time range in an Excel Sheet. This excel sheet will contain a Summary page at the start where it contains a table providing a short summary of trips made by each vehicle in a group (Shown in image above), charts for Idle Time Vs Driving Time, Distance Travelled and Average Speed (Each chart is shown below). Along with all this, it also contains pages for each vehicle in a group providing details of every trip made by it.

Trip Report – Excel Sheet is designed for such users who are handling a complete fleet of vehicles and require a comprehensive

Excel Trip Report

This report provides an overview of all the trips (ignition on to ignition off) including the reached location and the distance travelled. It can be generated for the selected time and date duration.

Vehicle: LZU-7566 7566

Group: All Vehicles

Report Time Period: T Y >W 7d >M 30 LM

From: 01/05/2018 00:00

To: 31/05/2018 23:59

Ignore Short Stops of 20 minutes Fuel Entries Analysis

Ignore trip shorter than 0.3 km

report of trips made by all the vehicles that are in a group/ fleet. Clicking this report will open up a dialog box (Image provided below) which contains a dropdown list labeled as Device, where a single vehicle could be selected from the list available to generate a report for a specific vehicle. To get a report for the whole group, select the desired group from the dropdown list labeled as Group. Enable the check box labeled as All Vehicles if report is required for all the vehicles that are under different groups exist under a master account. Specify Report Time Period which includes Date & Time range, specify time in minutes to ignore short stops (by default it is 20 minutes – this value could be increased or decreased as per requirement) and click Excel Report.

Trips: Any trips in which idle time is less than 5 minutes or distance travelled is less than 300m are skipped in this report to avoid clutter.

Note: This excel workbook contains individual sheets detailing trips for each vehicle. There are also five charts on this sheet. Scroll right to see them if they are not visible.

You can expand columns to see full vehicle or Group names. You can also resize charts if too many vehicles.

Dashboard Report

Dashboard report will extract data from Pegasus System to provide an overview of all activities of selected vehicle or group. The report can be extracted according to your customized time and can distinct with customized working shift order. Idle time threshold and speed limit can be also get in this report.

Dashboard Report

This Excel report provides an overview of all the activity of the selected Vehicles or Groups. It can also classify them in shifts if needed. It can be generated for the selected time and date duration.

Vehicle:

Group: All Vehicles

Report Time Period:

From:

To: Speed Limit:

First Shift Start: Idle time threshold of minutes

Second Shift Start: Exclude Half Ignition

Report will be extracted in excel sheet according to your set parameters. It consists of four sheets which will gather data separately and provide a comprehensive analysis for your fleet.

Management Summary

This summary will provide you are necessary information of your select group including number of vehicle, vehicle which are not reporting, number of vehicle which are reporting properly, vehicle usage, total distance covered by selected group, driven hours in 1st shift and driver hours in 2nd shifts. Average stationary hours and driven hours per vehicle with more importantly total excess of idling.

Idling threshold can be set when report is initially extracting, Pegasus system will automatically sense when vehicle become stationary, if the stationary state will excess the limited time, it will automatically consider excess if idling.

Management Summary		
Number of Vehicle	101	
Vehicle Not Reporting	22	21.8%
Vehicles Reporting	79	78.2%
Vehicles Usage - Zero [0] Km	27	26.7%
Vehicles Usage - Less than 100 KM	46	45.5%
Vehicles Usage - More than 100 KM	55	54.5%
Total Distance Covered	254,551 Km	
Avg. Usage Per Vehicle [Km]	2,520 Km	
Maximum Usage [Km]	185,795 Km	
Driven Hours 1st Shift	13h 31m	
Driven Hours 2nd Shift	0m	
Avg. Stationary Hours Per Vehicle	39h 14m	-
Avg. Driven Hours Per Vehicle	8h 45m	-
Total Excess Idling	27h 51m	-

Usage Summary

This sheet will provide you complete summary including list of vehicles with overall performance and with shift details, vehicle type, group name, sub group (if any), driven hours, stationary hours means when vehicle is started but not moving, total distance travelled. Driver performance can be also identified in the shape of speed violation, harsh braking with excess idle duration.

Excess Idle Report																			
Report Period		25/06/2018 00:00 - 26/06/2018 23:59										Excess Idle Threshold		5 minutes					
Report Date		26/06/2018 17:42																	
Reporting Days		2																	
#	Vehicle ID	Vehicle Type	Group	Sub Group	Status	Overall				1st Shift				2nd Shift		Driver Performance Report			
						Driven Hours	Stationary Hours	KMs Travelled	Vehicle Utilisation	Driven Hours	Stationary Hours	KMs Travelled	Vehicle Utilisation	Driven Hours	Stationary Hours	Max Speed	Speed Violation	Harsh Braking	Excess Idle Duration
#	#					hh:mm	hh:mm	#	%	hh:mm	hh:mm	#	%	hh:mm	hh:mm	#	#	#	hh:mm
0	HNR-2786		Satmo			5h 49m	42h 10m			5h 49m	42h 10m	-196	12%			53	0	0	0h 14m
1	MNZ-965	inactive	Satmo			8h 26m	39h 33m			8h 26m	39h 33m	259	18%			77	2	0	0h 6m
2	GLTD-509		Satmo			35h 47m	12h 12m			35h 47m	12h 12m	966	75%			51	2	0	0h 34m
3	TKY917		Satmo			20h 46m	27h 13m			20h 46m	27h 13m	437	43%			72	72	0	0h 27m
4	SEB-277		Satmo			19h 20m	28h 39m			19h 20m	28h 39m	160	40%			72	2	0	0h 10m
5	SDA-235		Satmo			0h 45m	47h 14m			0h 45m	47h 14m	35	2%			20	0	0	0h 6m
6	GLTD2580-	sold BNP	Satmo			16h 58m	31h 1m			16h 58m	31h 1m	47615	35%			74	0	0	0h 26m

NR & Maintenance

NR stands for Not Responding, this sheet will provide you list of vehicles which are requiring maintenance.

Note: You can inactive vehicle from device panel under Edit device, this sheet will consider inactive vehicles in NR state and prompt you for maintenance.

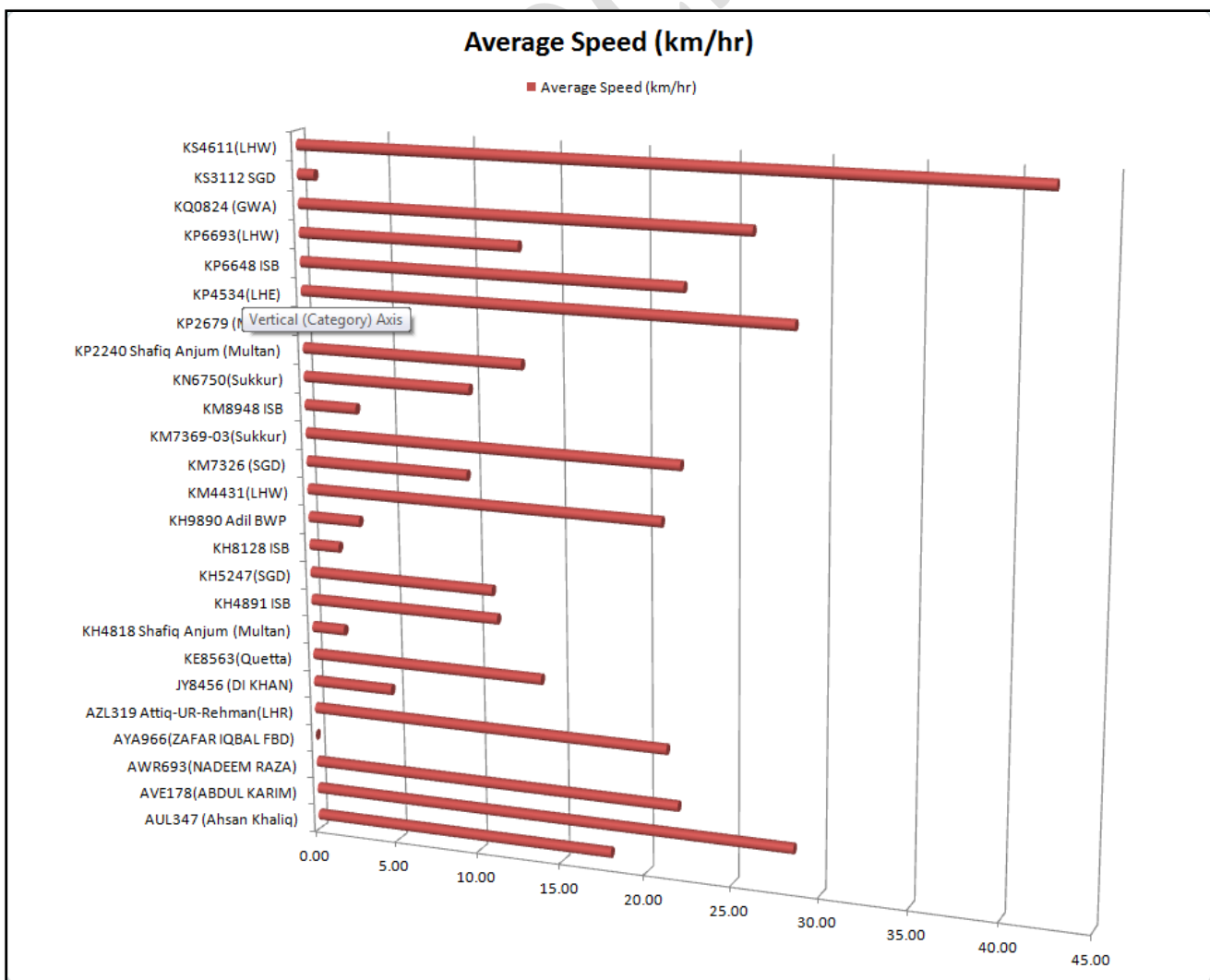
Usage 0 KM

This sheet provides number of vehicles which are not being in used or stand by in your selected group.

A. Fuel Entries Report

Vehicle	Zone	Entry Time	Exit Time	Time Spent Inside	Time Outside	Distance
AND:665	karachi	Thursday, November 5, 2015 4:05 PM	Still present	8.07:54:52	00:00:00	0 Km
APH-463	karachi	Sunday, November 1, 2015 1:11 AM	Wednesday, November 4, 2015 7:35 PM	3.18:24:48	00:00:00	0 Km
	karachi	Thursday, November 5, 2015 1:40 AM	Still present	8.22:19:15	06:04:52	263 Km
BF-7340	karachi	Thursday, November 5, 2015 6:47 PM	Still present	8.05:12:58	00:00:00	0 Km
AYT-372	karachi	Sunday, November 1, 2015 12:23 AM	Still present	12.23:36:15	00:00:00	0 Km
BDZ:166	karachi	Sunday, November 1, 2015 2:02 PM	Sunday, November 1, 2015 3:18 PM	01:15:30	00:00:00	0 Km
	karachi	Monday, November 2, 2015 9:45 PM	Tuesday, November 10, 2015 10:23 AM	7.12:37:55	1.06:26:49	497 Km
	karachi	Tuesday, November 10, 2015 10:15 PM	Still present	3.01:44:52	11:52:04	538 Km
BDU:276	karachi	Wednesday, November 11, 2015 12:55 PM	Still present	2.11:04:15	00:00:00	0 Km

Fuel Entries Report – This report provides the details of Fuel Entries in the vehicle. Clicking this report will open up a dialog box (Image provided below) which contains a dropdown list labeled as Device, where a single vehicle could be selected from the list available to generate a report for a specific vehicle. To get a report for the whole group, select the desired group from the dropdown list labeled as Group. Enable the check box labeled as All Vehicles if report is required for all the vehicles that are under different groups exist under a master account. Specify Report Time Period which includes Date & Time range and click Get Report.



Report Emailing

Every Report provided by Pegasus system could be emailed as an attachment to any email ID. Such reports have a button Email Report available in the header section.

Click the Email Report button, a blank form will appear with text boxes, TO: CC. Enter email IDs to which the email has to be sent, Message – to enter a customized message to the email recipient(s). Once all the fields are filled with the required information, press Send button to send email. When the email is sent to the recipients its status is updated at the bottom of the email form as shown in the image:

Scheduling Reports

Reports could be scheduled on Daily, Weekly and Monthly basis. These reports could be generated in Microsoft Excel/ Word, PDF formats and emailed to the specified email ID(s). Pegasus system will automatically generate the report as per the selected frequency in the selected format and will email to the specified recipient. Multiple email ID(s) could be specified separated by semicolon (;). This functionality has been provided in Trip Report, Idle Time Report, Alerts Report, POI Report and Driving Safety Report only.

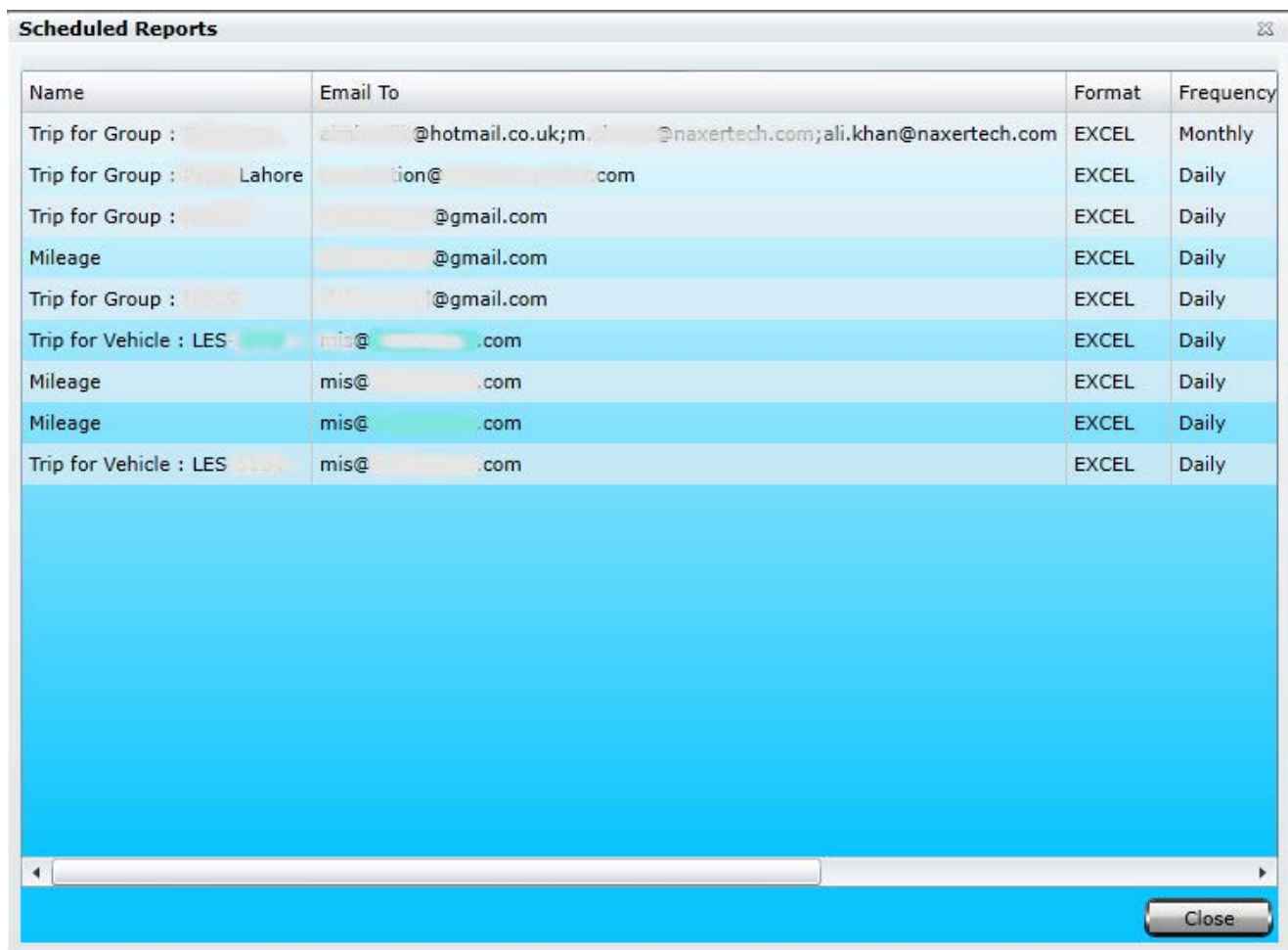
In the below steps we will be scheduling Alerts Report on Monthly basis in Microsoft Excel format and email it:

- 1- Select the desired vehicle/ device from the list of devices available in the dropdown list labeled as Device or enable the check All Devices if report is required to be generated for all the vehicles/ devices that are under a master account.
- 2- Click Schedule button and it will open schedule dialog box.
- 3- Set the Frequency of the report i.e. Daily, Weekly or Monthly.
- 4- Select the desired format in which the report to be generated from the dropdown list labeled as Format.
- 5- Specify the email ID(s) and click Add button.

Click on add button will open dialog box showing the characteristics of currently/ all scheduled reports.

Scheduled Reports

As we discussed earlier for scheduling reports, every report in Pegasus System can be scheduled. To know how many reports are scheduled under the specific account and group with recipient email, you need to click on scheduled reports under the Reports tab from the main menu of Pegasus.



Name	Email To	Format	Frequency
Trip for Group :	@hotmail.co.uk;m. @naxertech.com;ali.khan@naxertech.com	EXCEL	Monthly
Trip for Group : Lahore	tion@ .com	EXCEL	Daily
Trip for Group :	@gmail.com	EXCEL	Daily
Mileage	@gmail.com	EXCEL	Daily
Trip for Group :	@gmail.com	EXCEL	Daily
Trip for Vehicle : LES	mis@ .com	EXCEL	Daily
Mileage	mis@ .com	EXCEL	Daily
Mileage	mis@ .com	EXCEL	Daily
Trip for Vehicle : LES	mis@ .com	EXCEL	Daily

Name:

Name of the selected report will be shown in this field.

Email To:

Configured Email address will be shown to whom this report is scheduled.

Format:

Microsoft Excel, Word and PDF files are supported and selected option will be shown here.

Frequency:

How frequent select report should be delivered.

Vehicles

Vehicles button opens up a new set of features in which complete history of a vehicle in which device is installed, could be maintained and is available on the main graphical user interface of the Pegasus System. It allows you to Add a vehicle, edit a vehicle's details, delete a vehicle and maintain vehicle maintenance history within the Pegasus System.

Add/ Edit Vehicles

Adding a vehicle to the Pegasus system will be the third step for a newly created Account. Select the Add/ Edit Vehicle option from the drop-down menu by clicking the Vehicles button which will open a Vehicle Form in which basic information has to be filled that is required to add the vehicle to the Pegasus database and only then you will be able to attach it to a device added to the Pegasus System. Let's discuss the Vehicle Form that opens up when you select Add/ Edit Vehicle option.

Vehicle Form dialog box is divided into two segments; the upper part of the Vehicle Form dialog box is called Vehicle Grid where all the details of a vehicle can be viewed. The rest of the part is meant to add a new vehicle or edit any vehicle's details. Let's create a vehicle and we will go through all the input boxes in detail.

First, we should have the Vehicle Registration Number to enter in the text box available at the bottom of the Vehicle's Form dialog box and click the button New Vehicle Registration Number. When the New Vehicle Registration Number button is pressed, notice that the same Registration Number will appear in the Registration Number text box. Now it's time to fill in the rest of the fields as described below:

- A. Registration No.:**
Registration Number will appear automatically and would be the same as which was provided at the time of creating a new vehicle.
- B. Linked Device:**
This will be assigned automatically by the Pegasus System, please read more under [Add Device](#).
- C. Engine Number:**
Enter complete Engine Number of the vehicle in which tracking unit has to be deployed.
- D. Chassis Number:**
Enter complete chassis Number of the vehicle.
- E. Vehicle Colour:** Enter the Colour of the vehicle in which tracking unit has to be deployed.
- F. Vehicle Model:**
Enter the brand of the vehicle in which tracking unit has to be deployed e.g. Toyota Avensis.
- G. Model Year:**
Enter the manufacturing year of the vehicle in which tracking unit has to be deployed e.g. 2012.
- H. Purchase Type:**
Select the appropriate purchase type of the vehicle from the drop-down list.
- I. Notes:**
Write Notes in this field which are related to the tracking unit or about a specific customer which has a tracking unit installed in his/ her vehicle.
- J. Fuel Capacity:**
Enter Fuel Capacity of the vehicle (claimed by vehicle manufacturer).
- K. Empty Tank Fuel Voltage:**
Enter the Empty Tank Fuel Voltage i.e. 3.3.
- L. Full Tank Fuel Voltage:**
Enter the voltage when the fuel tank is full.
- M. Fuel Consumption**
Pegasus allows entering the vehicle's fuel consumption manually and this helps to generate more accurate fuel reports. Enter vehicle's fuel consumption at Slow, Average and High speed.
- N. Upload Picture**
Vehicle's image could be added to the vehicle details by uploading an image. Maximum file size should not exceed 500KB.

Click Save button to save that information to the Pegasus System database and close the Add Vehicle Form.

Vehicle Maintenance

Complete maintenance history of a vehicle could also be preserved in the Pegasus System which is mostly needed by such companies maintaining a large fleet of vehicles. Select the Vehicle Maintenance option available when Vehicle button is clicked available at the main graphical user interface of the Pegasus System. Let's discuss the Vehicle Maintenance Form that opens up when you select Vehicle Maintenance option and is shown in the image.

The screenshot shows a window titled "Vehicle Maintenance Form". At the top, there is a search bar for "Search vehicle license plate". Below it is a table with the following data:

License Plate	Part Name/Type	Product Brand	Vendor Name	Price	Current Date	Expiry Date	Odometer
BD51SMR	Engine Oil	Mobil	Shell Oil Change	200	11/12/2012	12/11/2012	12345

Below the table is a section titled "Current Vehicle Maintenance:" containing several input fields:

- Part Name/Type: Engine Oil
- Vehicle License Plate: BD51SMR
- Product Brand: Mobil
- Vendor Name: Shell Oil Change
- Service: Change/Replace
- Price: 200
- Current Date: 11/12/2012
- Current Odometer: 12345
- Expiry Date: 12/11/2012
- Expected Mileage: 24690
- Notes: Vehicle Maintenance - Oil Change.....

At the bottom, there are buttons for "New Vehicle Maintenance...", "Save", "Delete", and "Cancel".

Vehicle Maintenance Form dialog box is divided into two segments; the upper part of the Vehicle Maintenance Form dialog box is called Vehicle Maintenance Grid where all the details of a vehicle maintenance history could be viewed. The rest of the part is meant to add new maintenance details or edit any previous details. Let's create a new vehicle Maintenance and we will go through all the input boxes in detail.

Click New Vehicle Maintenance button and you will notice that an empty form with different options will appear in the second half of the Vehicle Maintenance Form. Now it's time to fill in the rest of the fields as described below:

A. Part Name/ Type:

Enter the part name or type of part that is being changed in a vehicle.

B. Product Brand:

Enter the brand name of the part that is being changed.

D. Current Date:

Enter the date when the part being changed in the vehicle.

E. Expiry Date:

Enter the estimated date of expiry of the part that has been changed in a vehicle.

F. Vehicle License Plate:

Select correct vehicle license plate number from the drop-down list and it should be the same as available on the vehicle itself.

G. Vendor Name:

Enter the name of the vender from whom the part has been purchased from.

C. Service:

Select the appropriate option from the drop-down list i.e. Change/ Replace, New Install or Repair.

H. Price:

Enter the price of the part and it should only be numeric characters.

I. Current Odometer:

Enter the current odometer reading that is available on the vehicle's odometer for which the part is being changed.

J. Expected Mileage:

Enter the expected mileage of the vehicle after which the part has to be changed again.

K. Notes:

Write Notes in this field and these notes could be related to the part changed in the vehicle.

Click Save button to save the information to the Pegasus System database and close the Vehicle Maintenance Form.

Vehicle Incident

Incidents related to a vehicle(s) can be saved in Pegasus system. It is provided to maintain a complete record of incident(s) history which is mostly required by such companies running large fleet of vehicles. Incident options such as Accident, Theft or Vandalism are provided under Vehicle Incident. Let's discuss the Vehicle Incident Form that opens up when you select Vehicle Incident option under Vehicles button available on the main GUI of the Pegasus system. An image of the Vehicle Incident Form is shown the below:

License Plate	Incident	Date Time	Location	Damage
	Theft	9/1/2014 1:35:26 PM	Cocoboard Processing Road. Ghana.	Customer informed us about

License Plate: GN6393-13 Incident: Theft

Date Time*: 01/09/2014 18:35

Location*: Cocoboard Processing Road. Ghana.

Description*: Customer informed us about vehicle theft at 1:52PM. Vehide immobilization command was sent to device through SMS & GPRS medium. Due to the delay from GSM operator command process delayed. Meanwhile minute by minute location of the vehicle was provided to customer. Device immobilize the engine when commands received.

Reason*: Vehicle Theft.

Notes: Stolen vehicle was recovered successfully with our and local police administration.

New Vehicle Incident... Save Delete Close

Vehicle Incident Form dialog box is divided into two segments; the upper part of the Vehicle Incident Form dialog box is called Vehicle Incident Grid where complete details of the vehicle incident could be viewed. The rest of the part is meant to add new incident details or edit details of any previous incident(s). Let's create a new vehicle Incident and we will go through all the input boxes in detail.

Click New Vehicle Incident button and you will notice that an empty form with different options will appear in the second half of the Vehicle Incident Form. Now it's time to fill in the rest of the fields as described below:

A. License Plate:

List of all the vehicles that are under an account will appear in the drop-down list box labeled as license plate. Select the desired vehicle from list.

B. Incident:

Clicking the drop-down list box labeled as incident will provide options of the incident i.e. Accident, Theft, Vandalism & other. Select desired incident option.

C. Date Time:

Set the incident date and time.

D. Description:

Add a little description about the incident. It could be the background of the incident like what happened, why it happened, what steps were taken when the incident was on progress or any other useful information regarding the incident.

E. Reason:

Add any possible reason of the incident.

F. Notes:

Add notes in this field and these notes could be related to the vehicle incident.

Click Save button to save the information to the Pegasus System database and close the Vehicle Incident Form.

Drivers

Information related to driver(s) can be saved in Pegasus system. It is provided to maintain a complete record of driver(s) at company level. Let's discuss the Driver Information Form that opens up when you select Drivers option under Vehicles button available on the main GUI of the Pegasus system. An image of the Driver Information Form is shown the below:

Name	Landline Phone	Cell Phone	Date Of Birth	Badge ID	License Number	License Type	License Expiry	Address
Edward	+23324755172	233590745905	2/14/1976	001	BRAI-210187-02-03	C (Light)	3/1/2017	P.O. Box 1234, Accra, Ghana

Selected Driver Details:

Name: Edward
Badge ID: 001
Landline Phone: +23324755172
Cell Phone: 233590745905
Contact Email: edwards@gmail.com
Address: P.O. Box 1234, Accra, Ghana
Description: Limo Driver
Notes: NA

Vehicle: GN3446-13
Date Of Birth: 14/02/1976
License Number: BRAI-210187-02-03
License Type: C (Light)
License Expiry: 01/03/2017

Picture: Select Driver Picture
Browse

Edward New Driver... Save Cancel Delete

Driver Information Form dialog box is divided into two segments; the upper part of the Driver Information Form dialog box is called Driver Information Grid where complete details of driver(s) could be viewed. The rest of the part is meant to add new driver details or edit details of any previously added driver(s). Let's create a new driver, add details and we will go through all the input boxes in detail.

First we need to enter the proper name of the driver in the text box available at the bottom of the Driver Information Form dialog box and click the button New Driver. When the New Driver button is pressed, notice that the same Name will appear in the text box labelled as Name. Now it's time to fill in the rest of the fields as described below:

A. Badge ID:

Enter the badge ID number of the driver. Badge ID is issued by the company which uniquely identify a driver.

B. Landline Phone:

Enter the landline contact number of the driver.

C. Cell Phone:

Enter the cell phone contact number of the driver.

D. Contact Email:

Enter the email address of the driver.

E. Address:

Enter the postal address of the driver.

F. Vehicle:

List of all the vehicles that are under an account will appear in the drop-down list box labeled as vehicle. Select the desired vehicle from the list.

G. Date of Birth:

Enter the date of birth of the driver.

H. License Number:

Enter the license number of the driver. It could be obtained from the driver's license issued by the authorities.

I. License Type:

Enter the type/ category of the license.

J. License Expiry:

Enter the expiry date of the license of the driver.

K. Notes:

Add notes in this field and these notes could be related to the driver.

L. Upload Picture

Note: Driver image could be added to the driver's details by uploading driver's image. Maximum file size should not exceed up to 500KB.

Shipment

Shipment module facilitates you to manage your shipment. Once new shipment order is created, Pegasus system will automatically track it and manage on time shipment deliveries.

You can access this module by clicking on vehicle under the main menu of Pegasus System and it will pop up with new windows with shipment form, as described in picture.

Manage shipments window consists of two parts. 1st half portion, it will give you information about existing shipment and 2nd portion is to order and manage new shipments. Now will discuss both respectively....

In the first half you can view / edit shipments with vehicle information by selecting vehicle in vehicle drop down menu or load latest 50 shipments irrespectively of the vehicle. Finding shipment by order ID or with-in specific date is extra advantage given by Pegasus System. In second part of manage shipments has number of entries to take order of shipment and manage throughout until shipment is delivered. Here is brief introduction of these entries,

New Shipment: For new shipment click on the button at the bottom of the form which will allow you to add information about new shipment along with specific vehicle detail.

New Shipment w/o vehicle: Click on the option if you don't require to carry this shipment by any specific vehicle.

Entry At: Date and time will be automatically filled after selecting new shipment.

Order ID: It is important to add your order ID for further reference and search your shipment by order ID.

Shipment ID: A reference ID is required for shipment reference.

Customer: Add customer name

Weight: Add your delivery weight which can be shown in shipments reports. This is important when your shipment does have multiple destination or dealing as transit.

Pieces: In case of shipment is in pieces, you can mention number of pieces for making sure at the of delivery

Load At: Add the location from where shipment is being loaded. Click on the **Choose** button which will give you list of your already created POIs (point of interest). Select

shipment location by double click on POI. For more details of POIs please see the section POIs under Zone.

Deliver At: Add the location where shipment is needs to off loaded. Click on the **Choose** button which will give you list of your already created POIs (point of interest). Select shipment location by double click on POI. For more details of POIs please see the section POIs under Zone.

Status: There are four statuses provided in this form, 1st order, 2nd loaded, 3rd transit and 4th is delivered. You can add and edit these statuses according to delivery status.

Loading and delivery: Loading and delivery time will be display automatically according to shipment's status.

Volume (CBM): CBM means Cubic Meter. Pegasus system offers you to manage your shipment details with CBM with is calculated by multiplying length, width and height of packages of goods.

Vehicle Type: Identical vehicle type could be written down for further reference i.e. 22-wheeler, 10-ton vehicle ...etc.

Created by: Current logged in user will be identified and filled up in this field, however you edit created by according to your requirement.

Show Tracks

Show tracks will draw vehicle travelled distance in specific colour with in your defined time frame. You may show track for a single vehicle or a group.

Pegasus System offers you to export your vehicle route in KML file format to display this geographic data in an Earth browser such as google earth...etc.

The screenshot shows the 'Show Tracks' interface in the Pegasus System. The main map displays several colored tracks (red, green, blue, black) representing vehicle routes in Karachi. The left sidebar contains filters for Device, Group (Transport), Report Time Period (From: 25/06/2018 00:00, To: 28/06/2018 23:59), and a list of vehicles with their IDs and colors. The top navigation bar includes options like Administration, Tools, Zones, Reports, Vehicles, Communication, Groups, Customers, SIMs, Notifications, and a Dashboard. The bottom of the interface shows a table with columns for Device, Time, Address, Speed, Odometer, IGN, Alerts, Src, GPS, Attributes, Latitude, Longitude, Analog, Pkt#, Status, Sats, and Fields.

Note: You can draw show tracks for maximum 20 vehicles with maximum last 20 days.

Communication

Pegasus system saves all its To & From communication with the tracking devices, Alerts generated by the tracking devices, Actions taken on the tracking devices in its database. All this information can be retrieved from the Pegasus system database. Let's take a look at each of the options that are available under Communication button available on the main GUI of the Pegasus system.

Communication Log

Communication log contains all the communication made by you with the tracking devices and tracking device's response through SMS or GPRS medium. Communication log will only display the communication of those tracking devices that are added by you into the Pegasus system database as per the commands executed under the Communicate to Device dialog box. Communication log by default loads all the communication of the current day when opened.

Communication log is divided into two parts i.e. Search area and Communication Details, as shown in the image:

Account ID	Creation Time	Device ID	Data	Type
demo	Wednesday, September 26, 2012 1:19 PM	1000944	[DEMO]= House #332 Block L, , Block L, Johar Town - Phase 2, Lahore. Speed:0, IGN:OFF, Odo:65.536 Time=9/26/2012 1:19:04 PM	SM
demo	Wednesday, September 26, 2012 12:57 PM	1000944	[DEMO]= House #332 Block L, , Block L, Johar Town - Phase 2, Lahore. Speed:0, IGN:ON, Odo:65.536 Time=9/26/2012 12:57:27 PM	SM
demo	Wednesday, September 26, 2012 12:56 PM	1000944	[DEMO]= House #332 Block L, , Block L, Johar Town - Phase 2, Lahore. Speed:0, IGN:OFF, Odo:65.536 Time=9/26/2012 12:56:54 PM	SM
demo	Wednesday, September 26, 2012 12:56 PM	1000944	[DEMO]= House #332 Block L, , Block L, Johar Town - Phase 2, Lahore. Speed:0, IGN:ON, Odo:65.536 Time=9/26/2012 12:56:20 PM	SM
demo	Wednesday, September 26, 2012 9:42 AM	1000944	Device: DEMO: GPS JAMMER DETECT ALERT, Addr: House #332 Block L, , Block L, Johar Town - Phase 2, Lahore, Time: 9/26/2012 9:42:01 AM	SM
demo	Wednesday, September 26, 2012 9:42 AM	1000944	Device: DEMO: GPS JAMMER DETECT ALERT, Addr: House #332 Block L, , Block L, Johar Town - Phase 2, Lahore, Time: 9/26/2012 9:42:01 AM	ALF

Search

Communication log dialog box contains a search with which you can filter out the required communication from Pegasus system database. Search could be made by providing either Device ID or Device Name or Data or User. Search could also be refined by specifying any of the Type of communication i.e. All – All type of data sent/ received by the system to the device, SMS Out – SMS sent by the system to the device, SMS In–SMS received from the device by the system, GPRS Out – Commands sent by the system to the device, GPRS In–Data received from the device by the system through GPRS or Alert – Alerts received by the system sent from the device and specifying specific date & time duration.

Pegasus system will fetch you only those communication details which were made in between the specified date & time with the given Device ID or Device Name or Data or User and Type specified.

Search could also be made by specifying specific data which will work as a keyword for Pegasus system to search for the required data from its database.

a. Communication Details

Pegasus system display the communication in a detailed form organized into columns Account ID, Creation Time, Device ID/ Device ID, Data, Type, Status, SIM Phone Number, User ID, Processor IP and Process Time. Each of these columns is discussed in detail below:

- A. **Account ID:** Account ID column displays the account ID with which you are logged-in to the Pegasus system.
- B. **Creation Time:** It displays the date & time of the log created.
- C. **Device ID:** Device ID column displays the device ID of the tracking device entered while adding the tracking device to the Pegasus system.
- D. **Data:** It contains the communication data sent by the Pegasus system to the tracking device and vice versa.
- E. **Type:** Type column contains the information of the communication medium used between the Pegasus system and the tracking device i.e. SMS or GPRS.
 - b. **Print Report:** This will send print command for specific report print.
 - c. **Refresh:** Clicking refresh button will load all the communication of the current day.
 - d. **Close:** Clicking close button will close the communication log dialog box.
- F. **Status:** Status column contains the status of the communication between the Pegasus system and the tracking device i.e. Pending, Processed or Fail.
 - G. **SIM Phone Number**
SIM Phone Number contains the list of the phone numbers that are used in the tracking device.
- H. **User ID:** It contains the list of user IDs. These are the same user IDs which you are logged-in to the Pegasus.

Alerts Log

All types of alerts generated by the tracking devices are saved in Pegasus system database and could be viewed under Alerts Log. Alerts log will only display the alerts of those tracking devices that are added by you into the Pegasus system database. Alerts log is divided into two parts i.e. Search area and Alerts Details, as shown in the below image:

The screenshot shows the Alerts Log interface. At the top, there is a search area with fields for Device ID, Device Name, User, and Date. Below these are date and time pickers for 'From' and 'To'. There are buttons for 'Search', 'Close', and 'Refresh'. The main part of the interface is a table with the following columns: Device ID, Time, Alerts, Ack, Ack User, and Ack Time. The table contains several rows of alert data, including SOS alerts and no-contact alerts for various devices. At the bottom, there is a pagination bar showing 'Page 1 of 14'.

Device ID	Time	Alerts	Ack	Ack User	Ack Time
1000830	Thursday, June 06, 2013 3:09 PM	ALERT, ARM MODE IGN ALERT, INPUT_1 ON ALERT, Addr: MASJID SHOHTA , Mall Rd, Victoria Park, Lahore, Time: 6/6/2013 3:09:54 PM	<input checked="" type="checkbox"/>	adeel	Thursday, June 06, 2013 3:09:54 PM
1001373	Thursday, June 06, 2013 3:08 PM	Device LWC-4470 (Jhelum) No contact since 101 minutes	<input checked="" type="checkbox"/>	adeel	Thursday, June 06, 2013 3:08 PM
1001362	Thursday, June 06, 2013 3:08 PM	Device KE8563(Quetta) No contact since 95 minutes	<input checked="" type="checkbox"/>	adeel	Thursday, June 06, 2013 3:08 PM
1000389	Thursday, June 06, 2013 3:06 PM	Device: AH0043: SOS ALERT, Addr: Mauripur Rd, Nayabad, LyAraA, Karachi, Karachi District., Time: 6/6/2013 3:06:49 PM	<input checked="" type="checkbox"/>	adeel	Thursday, June 06, 2013 3:06:49 PM
1000775	Thursday, June 06, 2013 3:05 PM	Device: GEN_SET_MM Tower: NO POWER ALERT, Addr: M.M. Alam Rd, Block K, Gulberg II, Lahore, Lahore District., Time: 6/6/2013 3:05:17 PM	<input checked="" type="checkbox"/>	adeel	Thursday, June 06, 2013 3:05:17 PM
1001266	Thursday, June 06, 2013 3:04 PM	Device LWC5044 Attiq ur Rehman No contact since 100 minutes	<input checked="" type="checkbox"/>	adeel	Thursday, June 06, 2013 3:04 PM
1000389	Thursday, June 06, 2013 3:01 PM	Device: AH0043: SOS ALERT, Addr: Mauripur Rd, Nayabad, LyAraA, Karachi, Karachi District., Time: 6/6/2013 3:01:11 PM	<input checked="" type="checkbox"/>	adeel	Thursday, June 06, 2013 3:01:11 PM
1001002	Thursday, June 06, 2013 2:58 PM	Device TLM483 No contact since 106 minutes	<input checked="" type="checkbox"/>	adeel	Thursday, June 06, 2013 2:58 PM
1000993	Thursday, June 06, 2013 2:57 PM	Device TLP329 No contact since 91 minutes	<input checked="" type="checkbox"/>	adeel	Thursday, June 06, 2013 2:57 PM

a. Search

Alerts log dialog box contains a search with which you can filter out the types of alerts from the Pegasus system database. Search could be made by providing either Device ID or Device Name or Data or User. Search could also be refined by giving specific date & time so that Pegasus system fetch you only those alerts details which were made in between the specified date & time with the given Device ID or Device Name or Data or User.

b. Communication Details

Pegasus system displays the alerts in a detailed form organized into columns of Device ID, Time, Alert, Ack User, Ack Time and Ack Action. Each of these columns is discussed in detail below:

A. Device ID

Device ID column of the Alerts Log displays the device ID of the tracking device entered while adding the tracking device to the Pegasus system.

B. Time

Time column of the Alerts log displays the date & time of the alert generated by the tracking device.

C. Alerts

Alerts column displays the complete alert message generated by the tracking device.

D. Ack

Ack column displays the status of the alert if it was acknowledged or not. Checked when it's been acknowledged and unchecked if the alert is not acknowledged.

E. Ack User

Ack User displays the name of the user who acknowledged the alert.

F. Ack Time

Ack Time column displays the date & time when the alert has been acknowledged.

G. Ack Action

Ack Action column displays the details of the action taken against the alert by the user.

Refresh: Clicking refresh button will load all the alerts of the current day.

Close: Clicking close button will close the alerts log dialog box.

Message Log

Pegasus System is capable to send SMS to multiple recipients for specific alerts notifying, such as Ignition ON /OFF alerts , No Power Alert, SOS Alert, GEOZONE violation alerts, Speed violation alerts ...etc.

Message log dialog box is consisting of two parts, 1st one is for adding criteria to search and 2nd part will display result within your selected criteria, as show in below image.

The screenshot shows a 'User Messages Log' window with search filters and a table of messages. The search filters include Device ID (1001016), Device Name, From (28-Jun-18, 12:00 AM), To (28-Jun-18, 2:00 PM), and Data. The table has columns for Creation Time, Device, Data, Status, Sim Phone Num, Proces, and Process.

Creation Time	Device	Data	Status	Sim Phone Num	Proces	Process
Thursday, June 28, 2018 12:19 PM	1001016	[LZU-7566]= IGN OFF,Odo:3706,Trip:21 Km in 29 mins,28 Jun 12:19[Tableeghi Ijtimah Maidan Raiwind, Sunder Industrial Estate Road, Lahore District.]	Processed	+923451406	pegasus	Thursda
Thursday, June 28, 2018 12:08 PM	1001016	[LZU-7566]: GEOZONE VIOLATE ALERT, 28 Jun 12:08 Sharif Education Cpmplex, Near Sharif Med Center, Jati Umrah, Lahore District.	Processed	+923451406	pegasus	Thursda
Thursday, June 28, 2018 11:50 AM	1001016	[LZU-7566]= IGN ON,Odo:3685,28 Jun 11:50[Spuer Ever Green Nursury, Raiwind Road, Lahore District.]	Processed	+923451406	pegasus	Thursda
Thursday, June 28, 2018 11:44 AM	1001016	[LZU-7566]= IGN OFF,Odo:3685,Trip:7 Km in 22 mins,28 Jun 11:44[Spuer Ever Green Nursury, Raiwind Road, Lahore District.]	Processed	+923451406	pegasus	Thursda

From & To: Message logs data can be stored up to six months in Pegasus database and easily extract information by selecting date and time.

Device ID: A device ID can be extract from Edit device under device panel. You can search message logs through device ID.

Device Name: Device name is usually vehicle registration number which is located in device panel. You can search message logs through device name.

Data: If you want to search any particular message having a specific data, the field is available to add data and search.

Creation Time: The time of message creation by Pegasus system and sent to the recipient number.

Device ID: Device ID will be displayed for reference.

Data: It will show exact data which has sent as message

Status: This will show the current status of message either pending or processed.

Sim Number: SIM number on which these messages are delivered. This can be set in device edit under device panel option

Processor IP: Processor IP will display hosted IP normally it's with named resolution such as Pegasus.

Process Time: Process time will be displayed.

Processed by: GSM server detail will be displayed for further reference and troubleshooting.

Installation Log

Installations Log will help you manipulating ongoing installations to keep in your record by using Email option and maintain quality corresponds with your client by confirmed welcome call.

Installations Log

User	Vehicle	Group	Device ID	Action	Time	Informed	Welcomed	
				Device Added	10/03/2018 13:10	<input type="checkbox"/>	Email	[-] Welcomed
				Device Added	07/03/2018 14:23	<input type="checkbox"/>	Email	[-] Welcomed
				Device Added	05/03/2018 12:42	<input type="checkbox"/>	Email	[-] Welcomed
				Device Added	05/03/2018 12:41	<input type="checkbox"/>	Email	[-] Welcomed
				Device Added	05/03/2018 12:41	<input type="checkbox"/>	Email	[-] Welcomed
				Device Added	01/02/2018 18:42	<input type="checkbox"/>	Email	[-] Welcomed
				Device Added	01/02/2018 17:49	<input type="checkbox"/>	Email	[-] Welcomed
				Device Added	01/02/2018 17:49	<input type="checkbox"/>	Email	[-] Welcomed
				Device Added	01/02/2018 17:48	<input type="checkbox"/>	Email	[-] Welcomed
				Device Added	01/02/2018 17:48	<input type="checkbox"/>	Email	[-] Welcomed
				Device Added	01/02/2018 17:48	<input type="checkbox"/>	Email	[-] Welcomed
				Device Added	01/02/2018 17:47	<input type="checkbox"/>	Email	[-] Welcomed
				Device Added	01/02/2018 17:47	<input type="checkbox"/>	Email	[-] Welcomed
				Device Added	19/12/2017 16:58	<input checked="" type="checkbox"/>	Email	[x] Welcomed
				Device Added	18/12/2017 17:54	<input type="checkbox"/>	Email	[-] Welcomed
				Device Added	13/12/2017 17:55	<input checked="" type="checkbox"/>	Email	[-] Welcomed
				Device Added	29/11/2017 17:54	<input checked="" type="checkbox"/>	Email	[-] Welcomed
				Device Added	29/11/2017 16:24	<input checked="" type="checkbox"/>	Email	[-] Welcomed
				Device Added	24/11/2017 13:33	<input checked="" type="checkbox"/>	Email	[-] Welcomed
				Device Added	09/11/2017 15:02	<input checked="" type="checkbox"/>	Email	[-] Welcomed
				Device Added	04/11/2017 18:17	<input type="checkbox"/>	Email	[-] Welcomed
				Device Added	04/11/2017 18:17	<input type="checkbox"/>	Email	[-] Welcomed
				Device Added	25/10/2017 18:11	<input checked="" type="checkbox"/>	Email	[-] Welcomed

Close

- User.** User name will be shown for particular installation in Pegasus.
- Vehicle.** Device name will be shown as vehicle name.
- Group.** Multiple group will be shown which are being used in installation
- Action.** Action description will show here i.e Device Added.
- Time.** Exact time of installation will be logged and shown.
- Informed.** Email tab should be used for sending installation activity information to the concerns. Enter the desired email address and click on Ok button. Once email sent, it will be confirmed in information log by enabling check box with tick mark.

User	Vehicle	Group	Device ID	Action	Time	Informed	Welcomed	
qa					2018 13:10	<input type="checkbox"/>	Email	[-] Welcomed
qa					2018 14:23	<input type="checkbox"/>	Email	[-] Welcomed
qa					2018 12:42	<input type="checkbox"/>	Email	[-] Welcomed
qa					2018 12:41	<input type="checkbox"/>	Email	[-] Welcomed
qa					2018 12:41	<input type="checkbox"/>	Email	[-] Welcomed
csr					2018 18:42	<input type="checkbox"/>	Email	[-] Welcomed

Email Address

Enter email address(es) separated by semi-colon

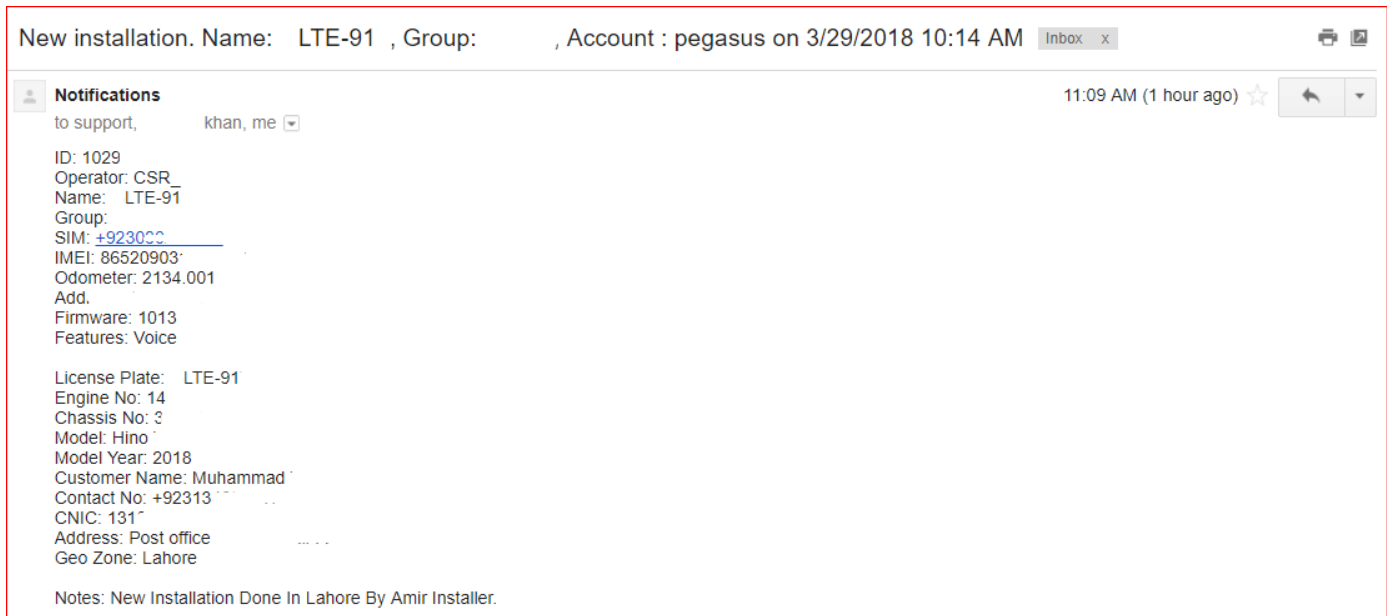
Notes (optional)

OK Cancel

- Welcomed.** Once a representative gives a welcome call to customer, he needs to check this tab to make sure that a welcome call is given to client and it could be analysis in installations log by having tick mark sign.

Installation Log Email

When you click on Email tab in installation log, it will be sent to selected recipients with set pattern which is described in the picture.



NR Devices

NR Devices stand for Not Responding Devices. For maintaining your fleet online this feature will provide you the list of out of service vehicles.

For your ease Pegasus has privilege to send you NR Devices list through email on daily bases with following entities and graph report.

Index	Status	Group	Device	Since	SIM	Firmware	Notes
1	NR_Old	ABC	LES-12x	169	+9230286	662	
2	NR_Old	DEF	LES-14x	4	+9230185	1011	
3	NR_Old	XYZ	LEA-63x	11	+9230286	1005	
4	NR_Old	ABC	LES-90x	45	+9230129	680	
5	NR_Old	DEF	LES82x	131	+9230286	831	
6	NR_Old	XYZ	LES-7x	110	+9230286	671	
7	NR_Active	ABC	LE-93x	11	+9230284	668	
8	NR_Old	DEF	LES-42x	60	+9230282	675	
9	NR_Old	XYZ	LES-44x	14	+9230284	671	
10	NR_Old	ABC	LES-8x	200	+9230282	671	
11	NR_Old	DEF	LED-13x	652	+9230284	828	
12	NR_Old	XYZ	LE-75x	3	+9230287	833	
13	NR_Old	ABC	LES-35x	4	+9230284	1008	
14	NR_Old	DEF	LEA-41x	2	+9230287	1008	
15	NR_Old	XYZ	LEH-4x	261		675	
16	NR_Old	ABC	CN-05x	55	+9230185	1008	
17	NR_Active	DEF	CN-0x	3	+9230185	1008	
18	NR_New	XYZ	APZ-08	0	+9230185	1008	
19	NR_Old	XYZ	LES-49x	3	+9230185	675	

(The graph represents number of vehicles in vertical and number of days in Horizontal line formation.)

- Index:** This field will let you know number of vehicle which are NR. and need maintenance.
- Status:** Status will give you an over look about how long this vehicle is NR. Distinct with Active, new or Old.
- Group:** At here Main Group and its Sub group will be mentioned for notifying NR Vehicles.
- Device:** Devices name will be displayed which usually belongs to vehicle registration number.
- Since:** Number of days since vehicle is NR. These will be calculated accurately and display here.
- SIM:** Display SIM number which is being used in that NR device for fixing up the issue.
- Firmware:** Configured firmware on device will be define for soft troubleshooting.
- Notes:** Important notes in this field related to a specific NR vehicle.

Group Command

A single command could be sent to the entire group (Single or Multiple) instead of selecting and sending the same command each device from the Devices Panel. Group Command option is available under Communications button on the main GUI of the Pegasus system. Selecting this option will display a Group Command dialog box.

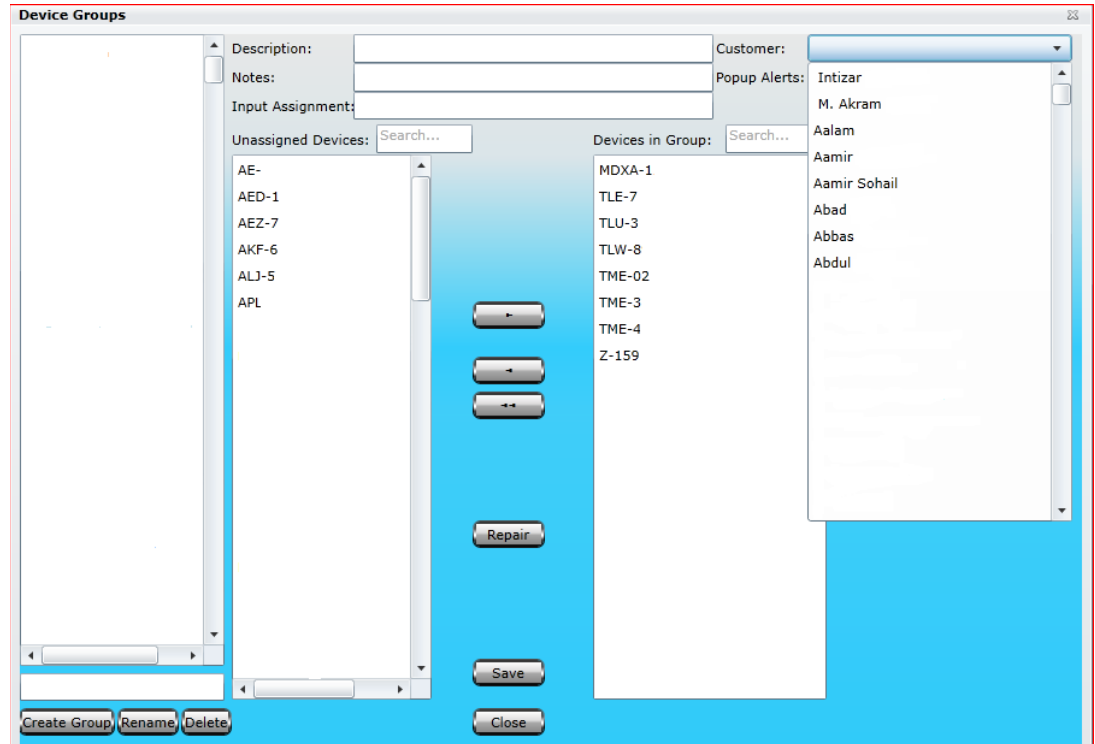
Group Devices

Now that we are done with the individual vehicle tracking, let's take a look what can be done in terms of group assets. From the main GUI of the Pegasus system click the button Groups, a Device Groups dialog box will open up where you can create a new group or edit an existing group as shown in the below image:

Pegasus allows you to categorized your clients or departments with their groups, which will bring ease for configuration of command, enabling alerts with no time for up to thousands of vehicles...etc.

You can create unlimited groups under the same account and manage their vehicle under the group quite comfortably.

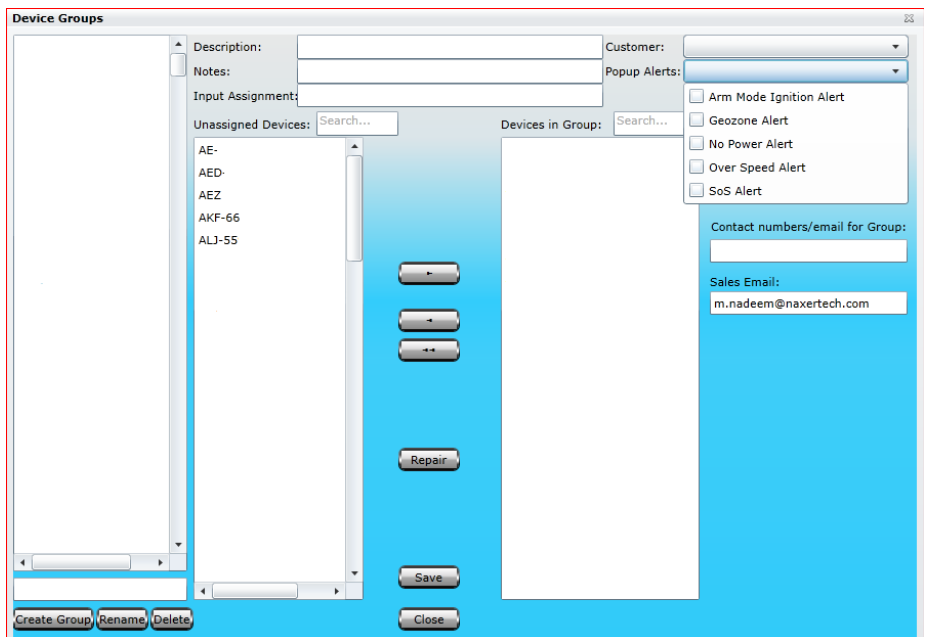
For Creating a new Group, you need to click Groups in the main window of Pegasus and it will pop up with new window having Groups management features. Please see in the picture.



- a. **Create Group:** Enter the name of the Group and click on create group.
- b. **Rename:** You can rename exist group name.
- c. **Delete:** It is recommended to delete unnecessary groups from your account.
- d. **Device Groups:** All the created groups will be list down.
- e. **Unassigned Devices:** Devices which are not in certain group will be shown. A search option is also available for fast action. You can select unassigned multiple devices to assigning them a group.
- f. **Device in Group:** To find out what devices are in which group you can use this feature, normally with scroll down or using search option.
- g. **Repair:** This option is very handy when some of the devices which are not shown correctly as assigned or unassigned device then you must click on Repair option. Our system will internally sort out.
- h. **Description:** you can add description for selected group.
- i. **Note:** Important information can be written down for further reference.
- j. **Input Assignment:** There are number of Inputs are available in Naxertech Tracking devices, you can select input type and get alert either with ground or without grounding. For further details please contact Naxertech support department.
- k. **Customer:** Customer profile can be attached with group, so it will be shown with all vehicles of the group when you move pointer (mouse) on it. Already created customer's list be shown here and you need to select the right one. For creating new customer profile, please go to Customer menu from the Pegasus main window and follow the instructions.
- l. **Popup Alert:** There is a choice to select the type of the alert you want to activated for a specific group. In case you don't select any of the alert, Pegasus will automatically consider all of the alerts to Popup. You can see alert type in the picture.

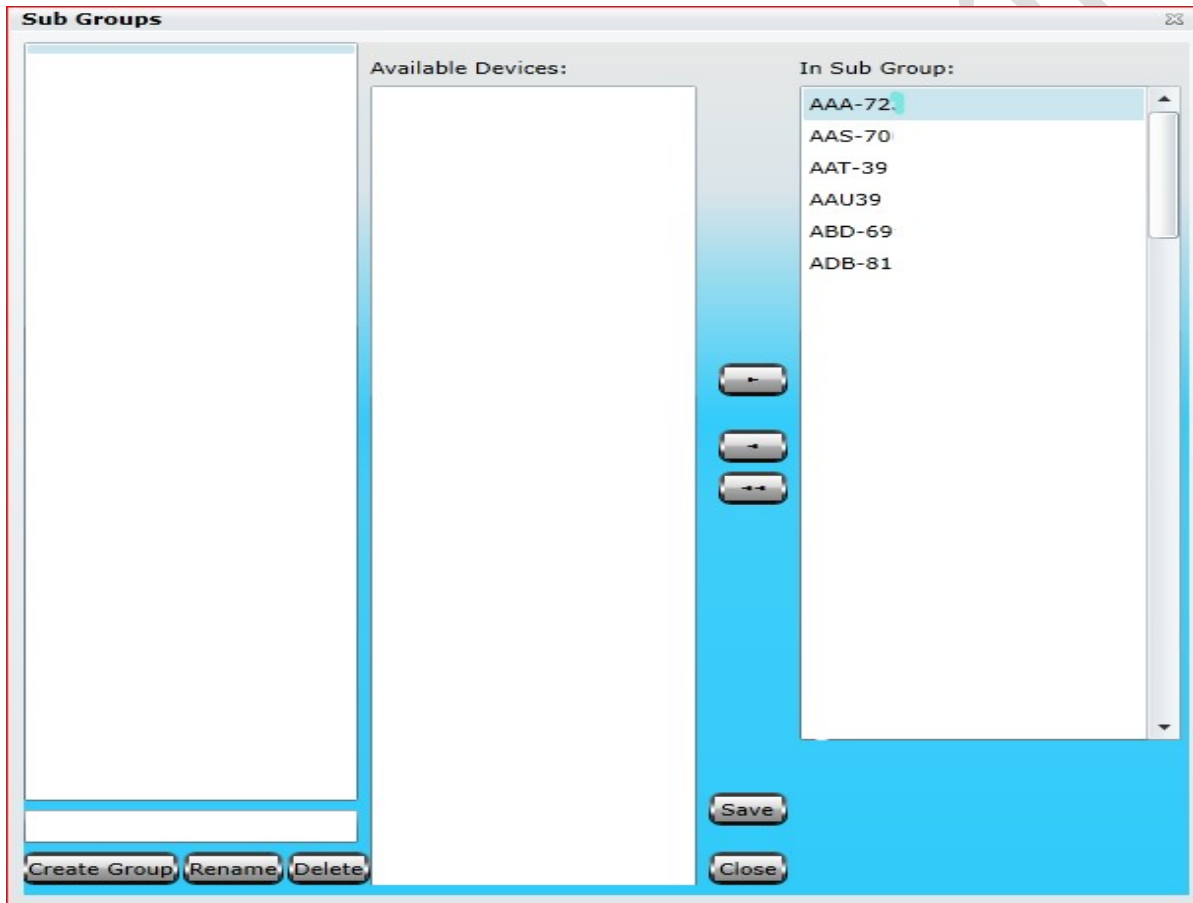
M. **Contact Numbers /Email for Group:** By filling up this field an email or message will be delivered to group administrator on any activity held in the group.

N. **Sales Email:** Sale person will be intimated through email on any new installation in current group.



Sub Groups

Pegasus empowered his user to create groups and their sub groups for distinction of clients, their companies or even departments wise. If you need to create Sub Group, you need to create Group first and login with that group user login first. After that you need to click on group and you will find window like this in the picture.



If you are using Pegasus system for commercial purposes, Pegasus system gives you the capability to save your customers information which could later be used by the CSR (*Customer Support Representative*) in case of any emergency or vehicle theft. This could be achieved by clicking the button Customers on the main GUI of the Pegasus system once you have logged into the system and it will open up Customer Information dialog box as shown in the below image:

Customer	Pin Code	Pin Code (Emg)	Phone Home	Phone Office	Cell Phone	Co
William	3030	2020	+447883009039	+4478830090336	+44150983116	

Selected Customer:

Name:	William	Pin Code:	3030
Phone(Home):	+447883009039	Phone(Office):	+4478830090336
Contact No.		Contact No. (Emg):	+441509831169
Mobile:	+441509831168	Pin Code (Emg):	2020
User 1:	William	User 1 Contact No.	+447883009040
User 2:	David	User 2 Contact No.	+447883009041
CNIC Number:		City:	
Email Address:			
Customer Address	Regus House, Herald Way, Pegasus Business Park, Castle		

Customer Information dialog box is divided into two segments; the upper part of the Customer Information dialog box is called Customers Information Grid where all the information of such customers could be viewed which have already been added to the system. The rest of the part is meant to add and enter information of a new customer or edit any existing customer information. Let's create a new customer and we will go through all the input boxes in detail.

First we should have a Name, to do this enter a suitable Name in the text box available at the bottom of the Customer Information dialog box and click the button New Customer. When the New Customer button is clicked notice that the same name will appear in the Name text box in the Customer Information Form. Now it's time to fill in the rest of the fields as described below:

A. Name

Name will appear automatically once you enter customer name in the text box available at the bottom of the Customer Information dialog box and clicking New Customer.

B. Pin Code

Enter the Pin Code; pin code is a secret password that you provide to a customer. It could later be used to authenticate a customer.

C. Phone (Home)

Enter the residential telephone number of the customer.

D. Phone(Office)

Enter the office telephone number of the customer.

E. Contact No

Enter the authorized contact number of the customer. This contact number would be the one with which Pegasus system will interact in case of any alert or emergency. It could be a landline or a cellular contact number.

F. Contact No (Emergency)

Enter a contact number which could be approached by the CSR (*Customer Support Representative*) at the time of emergency. This could be the same as Mobile or anyone else as per customer requirement.

G. Mobile No

Enter the cellular contact number of the customer.

H. Pin Code (Emergency)

Enter the Pin Code Emergency; this pin code is a secret password that you provide to a customer. It could later be used to authenticate a customer or the one for which contact number has been provided for Contact No (Emergency) in case of emergency only by the CSR (*Customer Support Representative*).

I. User 1

Enter the Name of the first authorized personnel which is usually the customer himself.

J. Contact No 1

Enter the first authorized contact number of the customer. It could be a landline or a cellular contact number.

K. User 2

Enter the Name of the second authorized personnel.

L. Contact No 2

Enter the contact number of the second authorized personnel. It could be a landline or a cellular contact number.

M. CNIC

Enter the National Identity Card number of the customer.

N. City

Enter the name of the city of the customer.

O. Mobile No

Enter the cellular contact number of the customer.

P. Email Address

Enter the Email Address of the customer.

Q. Customer Address

Enter the postal address of the customer.

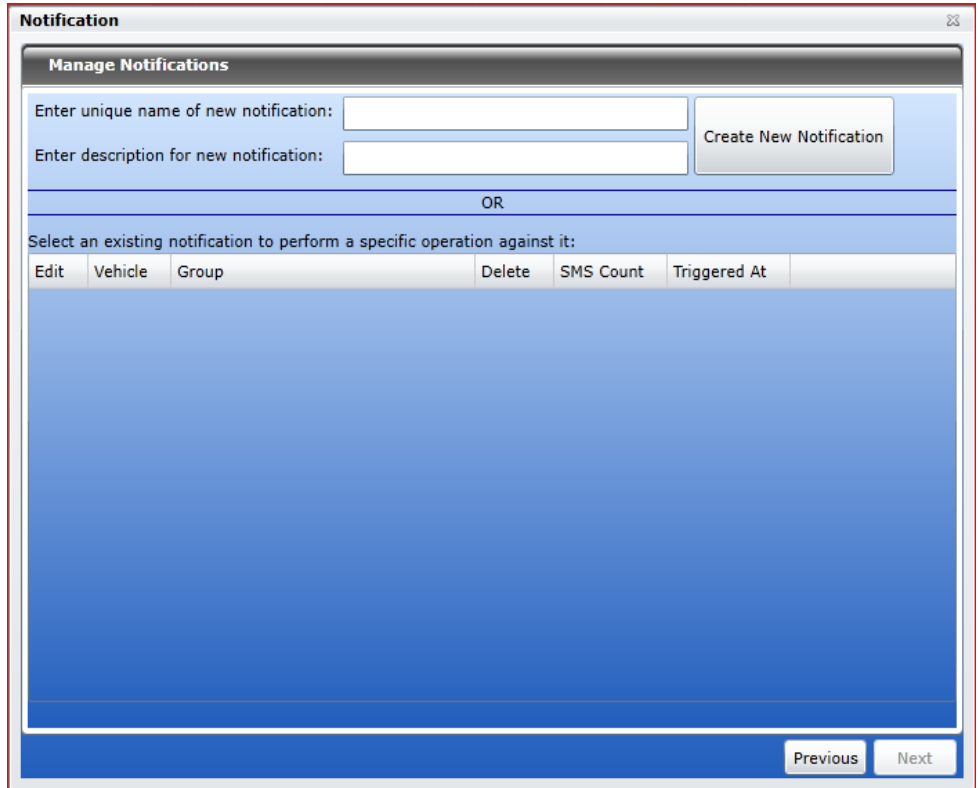
Once all the fields are filled with appropriate information or any customer information is edited click the Save button to save the information into the Pegasus system database otherwise changes will not take any effect. If any customer information is required to delete, select the required customer from the customer Information Grid and click the Delete button. A warning message will appear and clicking OK button will delete the selected account instantly. Be careful while deleting a customer as there is no way to undo it. Click Close button to close the Accounts Information dialog box.

Notifications

Notifications, a new feature introduced in Pegasus system. This notification system is a combination of software and hardware that provides a means of delivering a message to the recipient(s). A notification can be delivered by an e-mail or SMS or displayed online in a popup window.

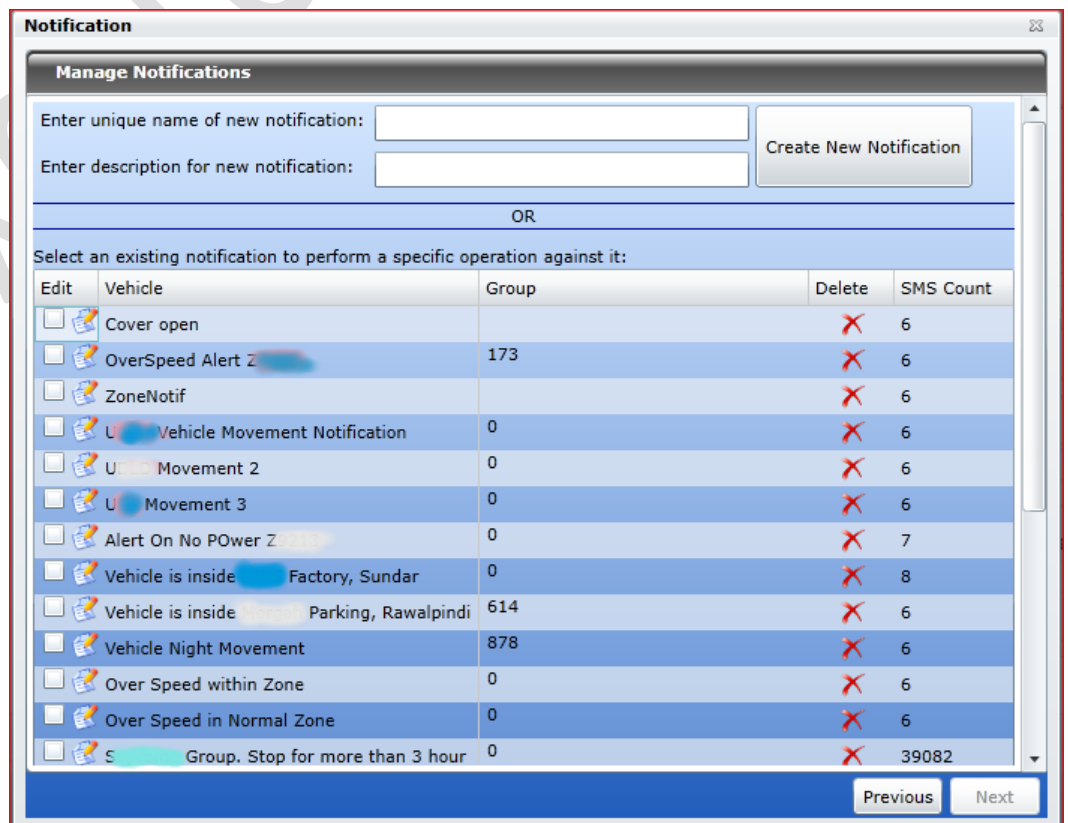
Notifications are very useful where strict rules need to be followed for example a container carrying expensive goods. The doors of the container should remain lock all the way from its departure terminal to its respective destination terminal. A digital input connected to the doors, activates/deactivates when the doors are opened. A notification can be set to send out an alert via email or SMS to the recipient (he might be a station manager) if the door is opened in midway or before the arrival of the container at its destination terminal. Mobile Notifications can now be restricted to specific user by setting in Device Properties.

Let's discuss Notifications in detail. Click the Notifications button available at the main GUI of the Pegasus system. A notification dialog box would appear to create, edit and view notifications as shown in the image below:

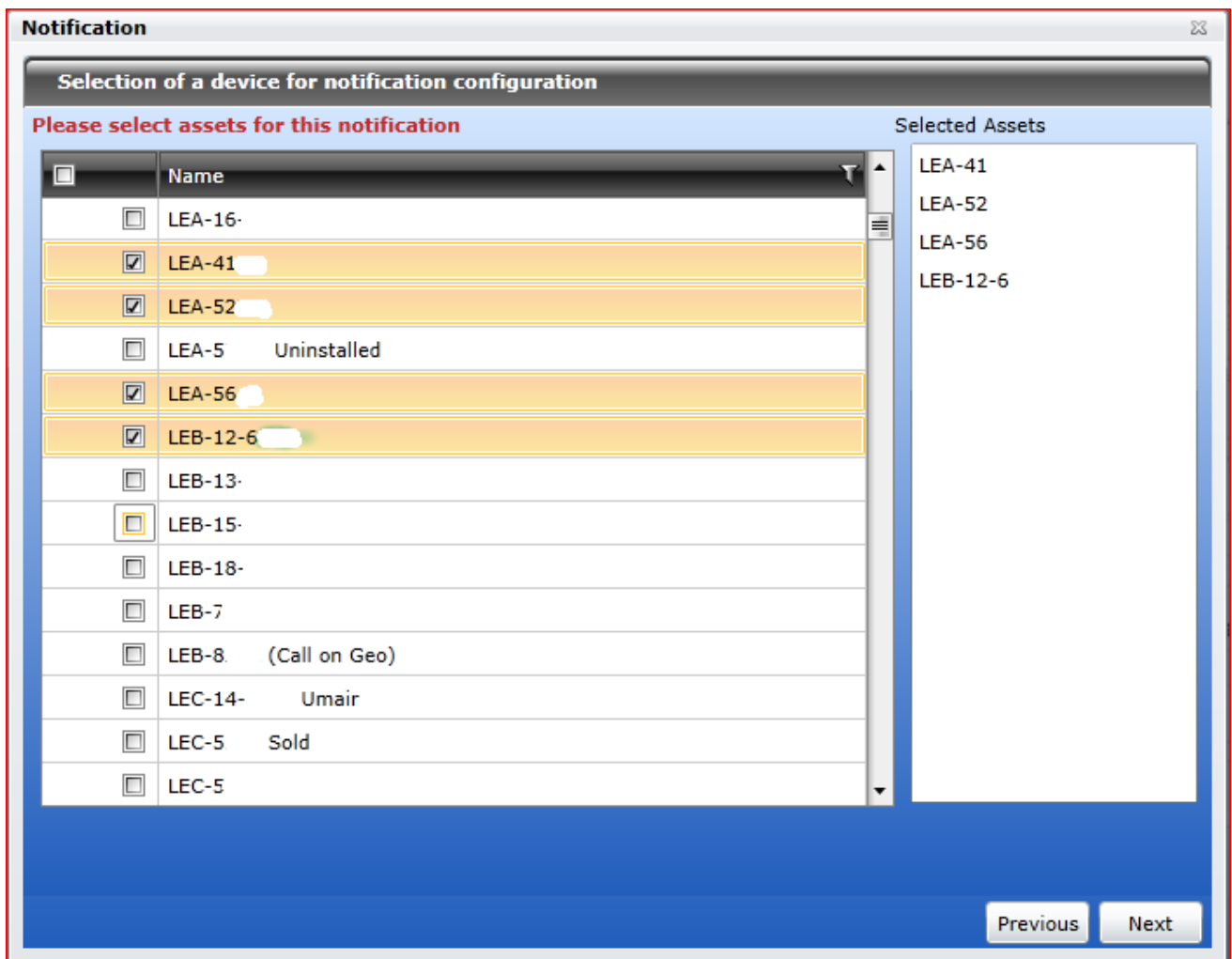


To create a new notification, enter a unique name in the text box marked for naming and type in little description which should give a hint about the notification that you are going to be created. Then click Create New Notification button as shown in the above image:

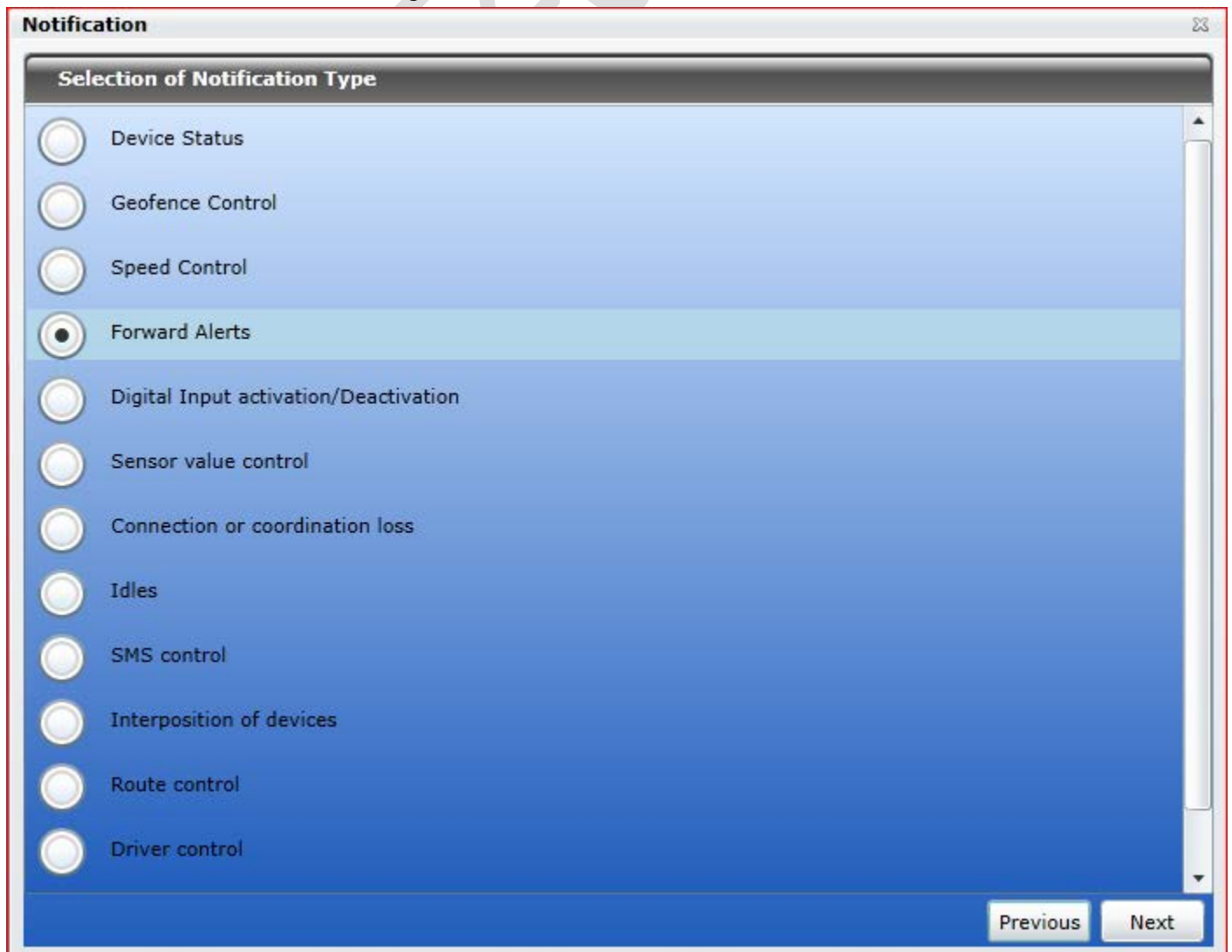
Newly created notification will appear in the notification grid. Now select the newly created notification by checking the check box and click Next button as shown in the image:



Notifications will now take you to the device selection section where a list of all the devices that are added to the Pegasus system under a Master Account will be displayed. Select the device from the list to create the notification and click Next button as shown in the below image:



Select the notification type from the list of given Notifications (Device Status, Geofence, Speed Control, Sensor Values etc. and click Next button as shown in the image:



On the next screen adjust the control parameters needed for the notification type selected in the previous window. These control parameters will differ and are dependent on the type of notification selected on the previous screen

You can set speed range and specific routes can be added which would have been created under Zone in main GUI of Pegasus system.

Enable Sensor value check box for integrating Sensors with speed.

(We will discuss sensors and their values later in this section)

Click Next to proceed as shown in the image:

On the next screen type-in the text for the notification using special parameters listed in the list below. They will be substituted with real values when notification triggers as shown in the below image:

Parameter	Description
%UNIT%	Unit name
%CURR_TIME%	Current date and time
%LOCATION%	Unit location at the moment of Notification
%SPEED%	Unit speed at the moment of Notification
%POS_TIME%	Date and time of the latest message with valid position
%MSG_TIME%	Date and time of the triggered message
%DRIVER%	Driver name
%ALL_SENSORS%	All unit sensors and their values
%ENGINE_HOURS%	Engine hours at the moment of Notification
%MILEAGE%	Mileage at the moment of Notification
%LAT%	Latitude at the moment of Notification
%LON%	Longitude at the moment of Notification
%LATD%	Latitude at the moment of Notification (without formatting)
%LOND%	Longitude at the moment of Notification (without formatting)

Once the text message is complete, click Next button.

On the next screen select the mode for the notification delivery i.e. Notify by Email or Notify by SMS or Display alerts online etc. and click Next as shown in the image below:

Notification

Selection of appropriate action to perform against selected notification

Notify by Email Attach image from triggered message

Please update email address(s)

m.nadeem@naxertech.com

Notify by SMS Execute a command

Please update SMS number(s)

+923211919111;+923114998444

Display alerts online

Send report by email

Reset driver

Previous Next

On the next screen set the schedule for the notification delivery and click Next button as shown in the below image.

Notification

Duration (Specific Date and Time Span) selection for the notification

Notification Name: Over Speeding

Notification Description: Notification For Over Speeding

Basic Time Limitation Settings

Time interval selection:

Start Time Interval: 12:00 AM

End Time Interval: 12:00 AM

Control period from current time: Any Time [Ignore Time]

Min duration of alarm state: Not important

Max triggers: 0

Generate notification: Only when state changed For all messages

Duration check is enabled

Advance Time Limitation Settings (Optional)

Time

Interval 1:

Interval 2:

Week Days Days of Month Months of the Year

Previous Finish

Click Finish to save and close the Notifications dialog box.

Notification Type

Device status.

It comes up with number of device status as described in picture. Notification will be triggered according to your selected state. You may select multiple states in one go.



The screenshot shows a window titled "Notification" with a sub-header "Device Status Selection". Below the header, it states: "Notification will be triggered on the selected state. Multiple states can be selected." The main area contains a table with three columns: "IGNORE", "ON", and "OFF", and a "Name" column. The "ON" column has several radio buttons selected. At the bottom right, there are "Previous" and "Next" buttons.

IGNORE	ON	OFF	Name
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	STATUS_UPDATE
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	IGNITION
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	INPUT_1
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	INPUT_2
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	INPUT_3
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	NO_POWER
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	POWER_LOW
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	ENGINE_IMMOBILISED
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	PANIC_BUTTON
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	OVER_SPEED_ALERT
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	HARSH_BRAKE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	ARM_DOOR_OPEN_ALERT
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	TOW_ALERT
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	GSM_JAMMER_DETECTED
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	GPS_JAMMER_DETECTED

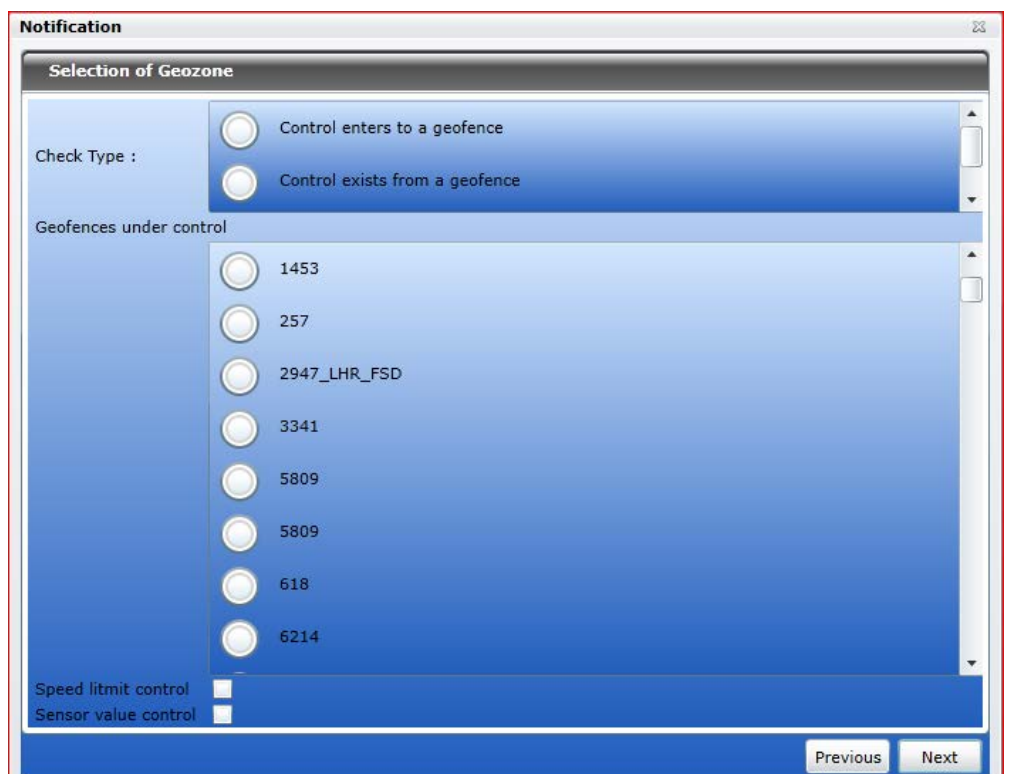
a. Geofence Control

In case of Geofence Control as a choice of notification type, in the following window you will be presented with the options to either Control the Entries or Exists to/ from the selected geofences, a list of geofences created under a Master account. These geofences should be created in advance and there are none in the list then create one.

In addition, you can narrow down the notification to trigger by adjusting speed limitations or sensor value range outside the geofence. Then the notification will trigger when a unit being outside a controlled geofence breaks these limitations.

For additional speed control, indicate lower and higher speed limit, and the notification will trigger if beyond the limits.

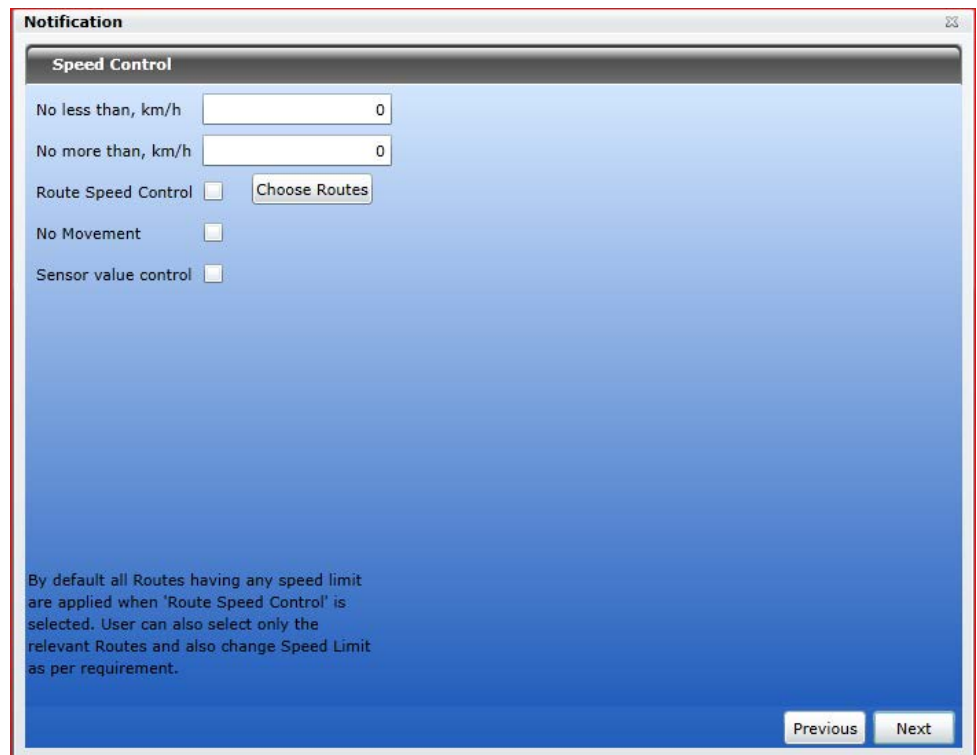
For sensor control you can set trigger inside the indicated values as well as outside them. Choose sensor types on the dropdown list. If there will be two or more sensors of the same type found, their values can be summed or calculated separately (select the corresponding option).



The screenshot shows a window titled "Notification" with a sub-header "Selection of Geozone". Below the header, there are two radio buttons under "Check Type": "Control enters to a geofence" (selected) and "Control exists from a geofence". Below this is a list of geofences under control, each with a radio button: 1453, 257, 2947_LHR_FSD, 3341, 5809, 5809, 618, and 6214. At the bottom, there are checkboxes for "Speed limit control" and "Sensor value control". At the bottom right, there are "Previous" and "Next" buttons.

Speed Control

In case of Speed Control as a choice of notification type, define the minimum and/or maximum speed values. If a unit goes out of this range, the notification will trigger. In addition, you can activate sensor value control – in this case the notification will trigger only if both conditions are met.



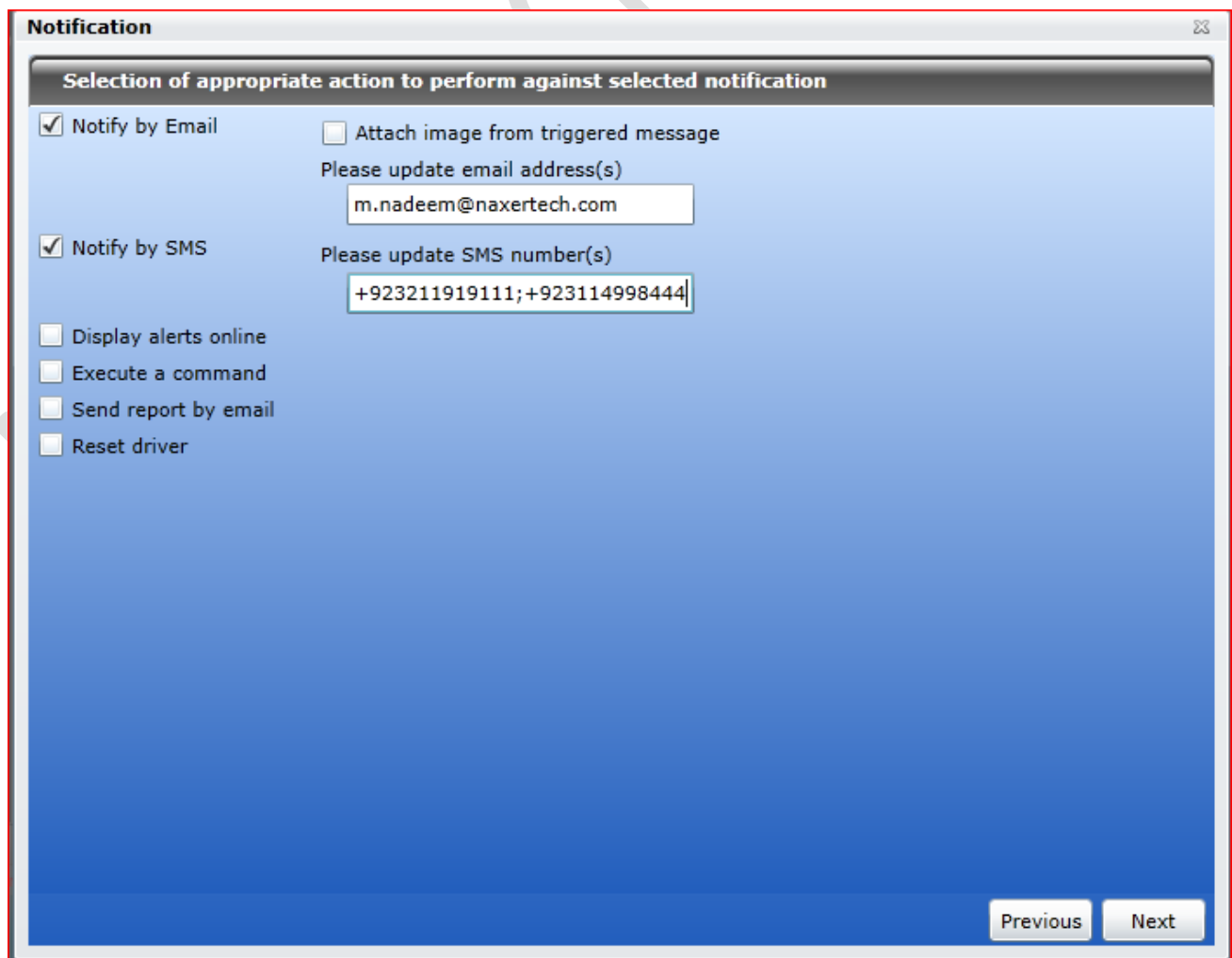
The screenshot shows a window titled "Notification" with a sub-header "Speed Control". It contains the following fields and options:

- "No less than, km/h" with a text input field containing "0".
- "No more than, km/h" with a text input field containing "0".
- "Route Speed Control" with an unchecked checkbox and a "Choose Routes" button.
- "No Movement" with an unchecked checkbox.
- "Sensor value control" with an unchecked checkbox.

At the bottom, there is a paragraph of text: "By default all Routes having any speed limit are applied when 'Route Speed Control' is selected. User can also select only the relevant Routes and also change Speed Limit as per requirement." and two buttons labeled "Previous" and "Next".

Forward Alerts

Select this type of notification in case you want to forward device alerts on desired email, notify by SMS, Display alerts for live monitoring ...etc.



The screenshot shows a window titled "Notification" with a sub-header "Selection of appropriate action to perform against selected notification". It contains the following options and input fields:

- Notify by Email
- Attach image from triggered message
- Please update email address(s)
- Notify by SMS
- Please update SMS number(s)
- Display alerts online
- Execute a command
- Send report by email
- Reset driver

At the bottom, there are two buttons labeled "Previous" and "Next".

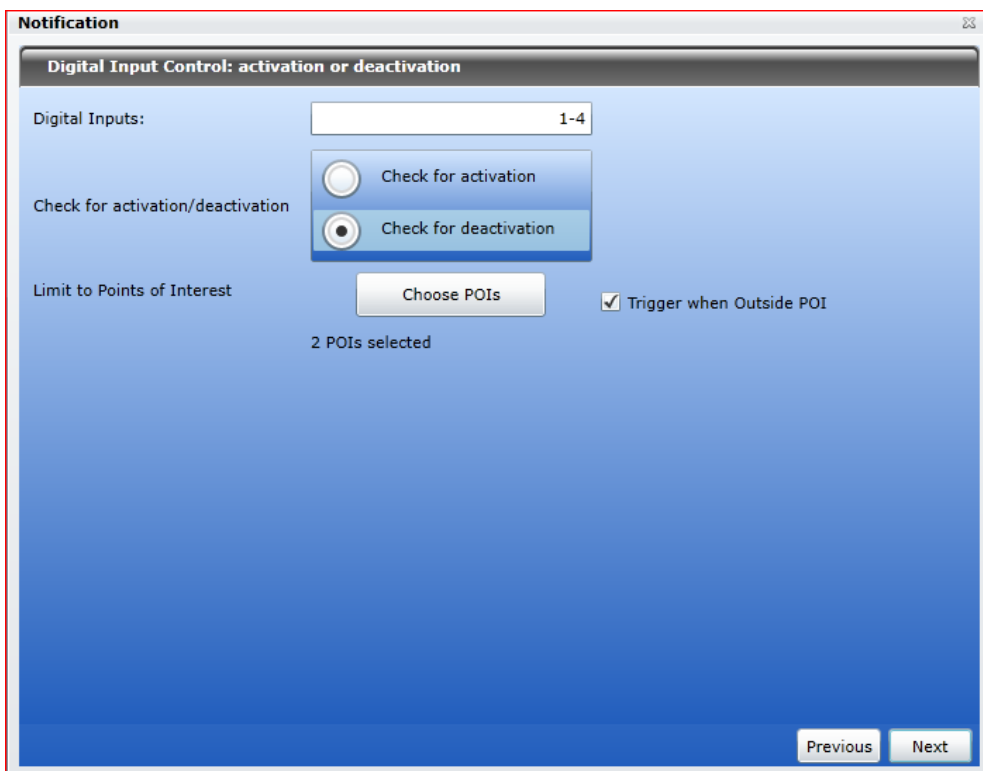
Note: You can mention multiple emails or numbers separated with semi colon (;)

Digital Input Activation/ Deactivation

In case of Digital Input Activation/ Deactivation as a choice of notification, specify the number of Input, type of trigger i.e. activation or deactivation and when to trigger the notification.

Enable trigger if you have particular point of interests to be notified by Pegasus system.

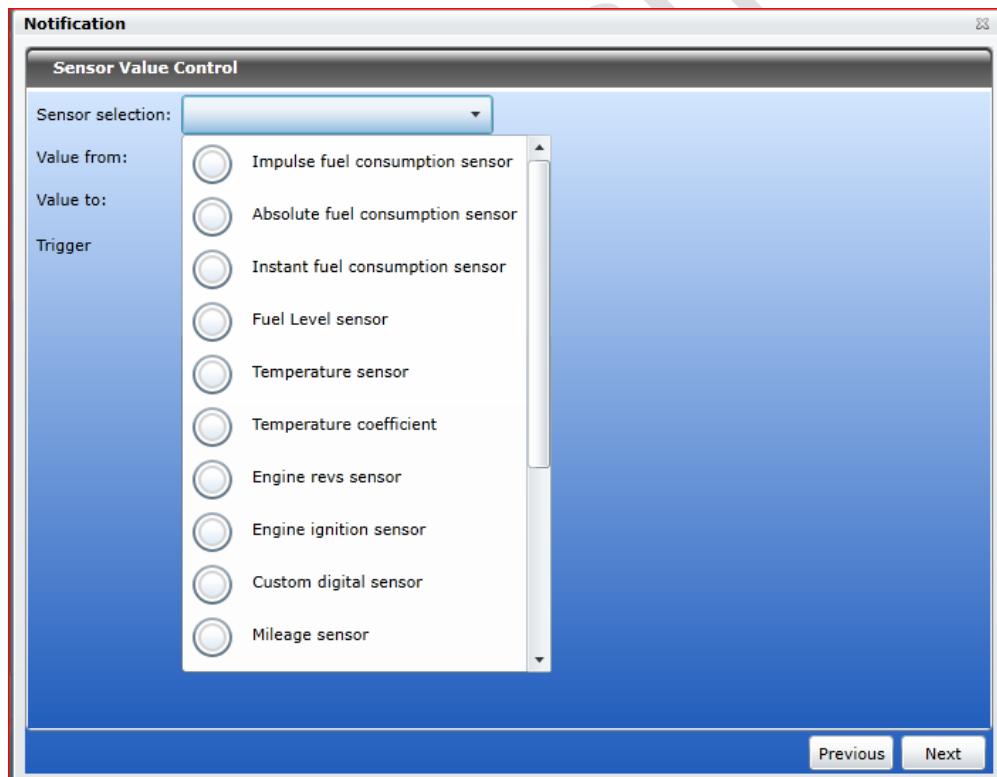
You can select multiple POIs from the available list and it will also calculate selected POIs and display in the same window for you.



Note: POIs can be created under Zone menu from main GUI of Pegasus System.

Sensor Value Control

There are number of type of sensors which Pegasus does support and offered you to get their notification on trigger.



Select the sensor type from dropdown menu.

Enter the range of value for selected installed sensor.

Choose when trigger should be occurred, either with in select range of value or when it became out of given values.

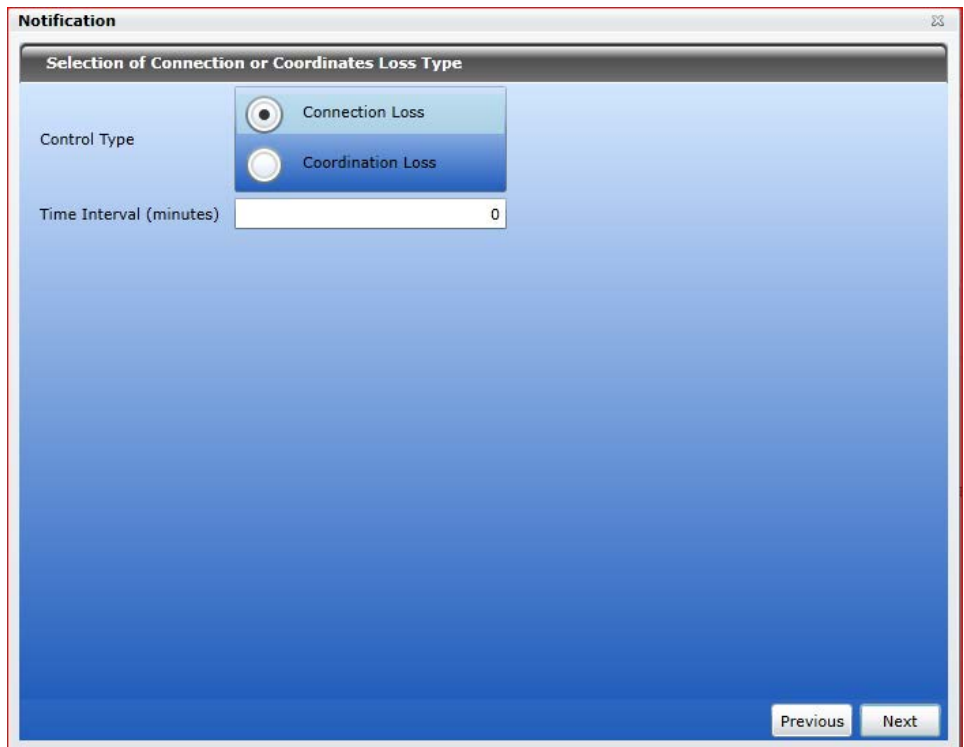
Connection or Coordinates Loss.

This notification type gives you control to get notification either connection loss or coordination loss.

Connection Loss. If device connection loss (in terms of GSM / GPRS) with server it will generate notification to concerns.

Coordination Loss. If device coordinates are not synced with service and causing device status not responding.

Time Interval: Time interval can be set in minutes for threshold.

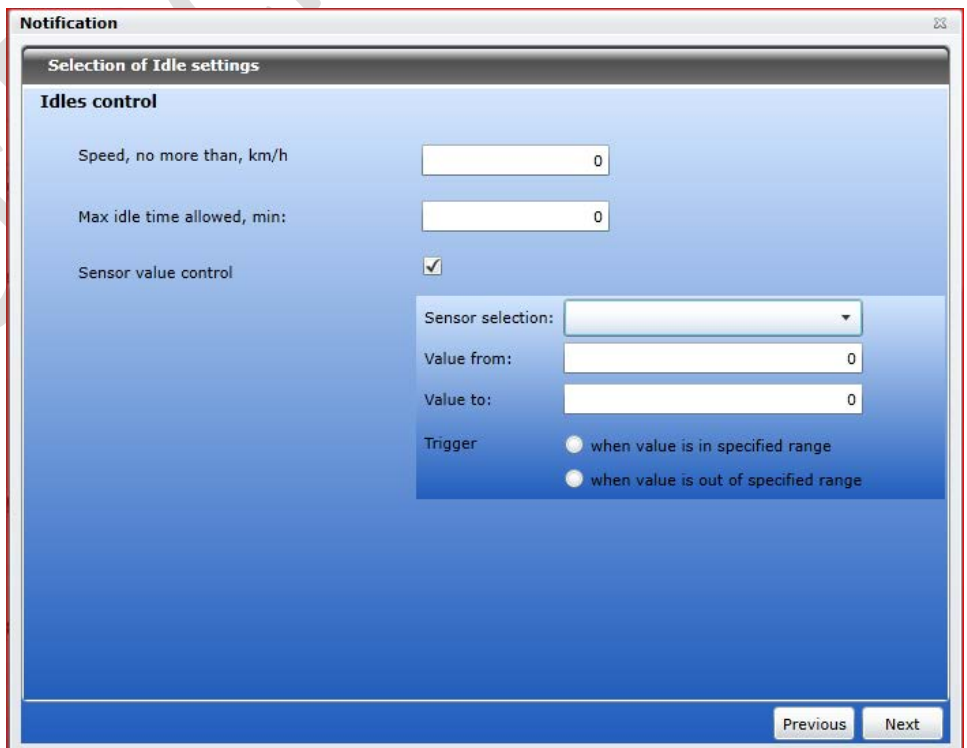


The screenshot shows a window titled "Notification" with a sub-header "Selection of Connection or Coordinates Loss Type". Under "Control Type", there are two radio buttons: "Connection Loss" (selected) and "Coordination Loss". Below this is a "Time Interval (minutes)" input field with the value "0". At the bottom right, there are "Previous" and "Next" buttons.

Idle Control

You can set idle parameters for customized idle state of device.

Set minimum and maximum speed in digits. You may add sensor control along with idle control, to analysis sensor performance while vehicle would be in Idle mode.



The screenshot shows a window titled "Notification" with a sub-header "Selection of Idle settings". Under "Idles control", there are three input fields: "Speed, no more than, km/h" (value 0), "Max idle time allowed, min:" (value 0), and "Sensor value control" (checked). Below these is a "Sensor selection:" dropdown menu, followed by "Value from:" (value 0) and "Value to:" (value 0). At the bottom, there are two radio buttons for "Trigger": "when value is in specified range" (selected) and "when value is out of specified range". At the bottom right, there are "Previous" and "Next" buttons.

Interposition of Units/Device/Vehicle

This notification will help you to keep an eye on interposition of your fleet.

You may find nearest vehicle due to number of circumstances. Select the check type.

Define the radius in meters and it will give you list of device ID, device name with description.

Speed limit control and sensor value control can be integrated on check box enabling.

The screenshot shows a software window titled "Notification" with a sub-header "Interposition of Units/Device/Vehicle". It contains the following elements:

- Check Type :** Two radio buttons: "Control moving toward units" (selected) and "Control moving away from units".
- Radius, meters:** A text input field containing the value "0".
- Devices under control:** A table with columns: "Device ID", "Device Name", "Account ID", and "Description". The table is currently empty.
- Speed limit control:** A checkbox that is unchecked.
- Sensor value control:** A checkbox that is unchecked.
- Navigation:** "Previous" and "Next" buttons at the bottom right.

Route control and Driver Control

By selecting notification type of Route control, you can set Geo Zone with a particular device or group and also can assign vehicle to specific driver. In case of violation will get notification on you set medium.

You can set driver control by driver assignment, get notification on driver reset and also can do driver code masking.

b. Maintenance

The screenshot shows a software window titled "Notification" with a sub-header "Maintenance Control Settings". It contains the following elements:

- Notify when service term approaches:** Two radio buttons: "Term approaches" (selected) and "Term expired".
- Notify when service term is expired:** Two radio buttons: "Term approaches" (selected) and "Term expired".
- Mileage interval (km):** A checkbox and a text input field containing "0".
- Engine hours interval (h):** A checkbox and a text input field containing "0".
- Days interval (days):** A checkbox and a text input field containing "0".
- Control all service intervals(mask):** A checked checkbox and a text input field.
- Last service at (km):** A text input field containing "n" and a "Get Current Odo" button.
- Navigation:** "Previous" and "Next" buttons at the bottom right.

In case of Maintenance as a choice of notification, first select the trigger type: Notify when service term approaches or Notify when service term is expired. Then indicate the interval before or after the term for the notification to trigger. This interval can be in Mileage Interval (in kilometers), Engine Hours Interval (in hours), Days Interval (number of days) or all together. To indicate certain intervals, disable 'Control all service intervals' option and enter a mask using wildcard symbols like asterisk (*) or question sign (?).

This Module is provided especially for such users/ companies which offer fleet tracking services. SIMs facilitates user to enter the SIM card's basic information into the Pegasus database which later on could be assigned to a device. Such SIMs management reduces the risk of duplication of SIM card numbers into the Pegasus database, assigning the same SIM card number to multiple devices when adding a device to the Pegasus system, searching for the information of a particular SIM card and different reports could also be generated i.e. find out how many SIM cards are Occupied (*assigned to a tracking device*) or Vacant (*not assigned to any tracking device*), How many SIM cards of a particular GSM operator are occupied or vacant, etc. Let's see how the SIMs form look like and discuss about the various options that are available in it. An image of the SIMs is shown in the image:

A. SIM Number

SIM Number will appear once you enter a SIM Card Number in the text box available at the bottom of the SIMs dialog box and clicking New SIM Number button.

B. Operator Name

Displays the GSM Operators Name operating in a particular country i.e. for which the country code has entered when adding a New SIM Number.

C. SIM Status

Select the current SIM card status i.e. Active, Inactive, Not Responding or Block, as per the status of the SIM card from the dropdown list.

D. Activation Date

Enter the date when the SIM card was activated.

E. Package

Enter the name of the SIM card package given by SIM operator. Its optional, leaving Package input box empty will not affect anything but entering a proper Package name will benefit user later.

F. Billing Period

Enter the billing date, From, could be the same date as SIM card activation date and To, could be the due date of the bill. Its optional, leaving Billing Period blank will not affect anything but defining a Bill Period will benefit later.

G. IMSI Number

Enter the IMSI (*International Mobile Subscriber Identity*) Number which is usually printed on the SIM card. An IMSI is usually presented as a 15digit long number but can be vary.

H. Device ID

It is the device identification number. It usually contains the last six (6) digits of the IMEI number printed on the sticker pasted on the tracking device. Device ID will appear automatically by the Pegasus system once assigned to any tracking device otherwise it will remain empty.

I. SIM Type

Select the Type of the SIM card i.e. Prepaid or Postpaid from the SIM Type dropdown list.

J. Issued Date

Enter the date when a particular SIM card is issued to someone i.e. Tracking Device Installer. It's optional, leaving Issue Date field empty will not affect anything but entering a proper date will help to keep a SIM record updated.

K. Issue To

Enter the name of the person to whom a particular SIM card has been issued.

L. Billing Limit

Enter the amount of the limit for a particular SIM that it should not cross.

M. Installation Date

Installation Date is the date when a particular SIM card is assigned to a tracking device when adding the tracking device into the Pegasus system. Installation Date will appear automatically by the Pegasus system once assigned to any tracking device otherwise it will remain empty.

N. Notes

Write important notes in this field related to a particular SIM card.