



User Manual for vTrak System (version 1.4)

Powered by

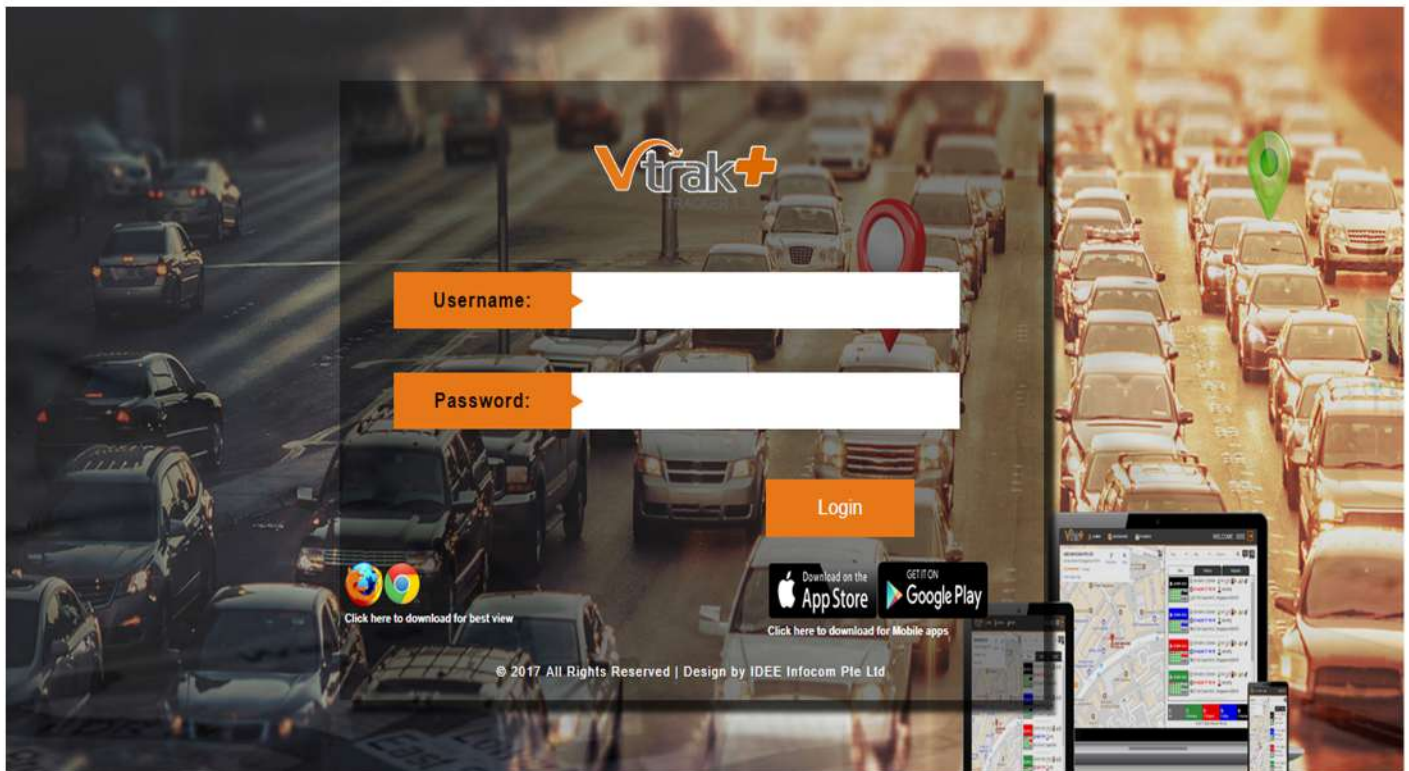


Prerequisites for Tracking System

All you need to have on your PC for using Tracking system is Google Chrome or Fire Fox or Microsoft Internet Explorer or any Internet browser.

Starting the Tracking System

This will open the Login page for tracking system.



Logging In

Use your User Id and Password and click on Login Button. Once a user successfully logs in, they will automatically be directed to the tracking module .

In this tracking module, the user is able to use this facility to track the movement of devices on a real time basis. Users are able to see the exact location of these devices, when the devices are active (device on), off (last location). The movement of the device can be viewed on a detailed digital map.

This would lead to the Tracking Interface. This Interface is common for Admin User, Super User and User.

The screenshot displays the Vtrak+ tracking interface. The top navigation bar includes 'ADMIN', 'DASHBOARD', and 'PLANNER' menus, along with a 'WELCOME : IDEE' message. The main area is split into two panels. The left panel shows a map of Kaki Bukit, Singapore, with a search bar and a list of nearby locations. A pop-up window for 'IDEE INFOCOM PTE LTD' is visible, showing its address and a 5.0 star rating. The right panel features a search bar and a list of tracked devices. Each device entry includes a status icon, speed (99 KM/H), distance (333KM), battery level (14V), and a timestamp (21-AUG-17 19:15). The bottom of the right panel shows a summary of device statuses: 0 Running, 0 Stopped, 0 Idling, and 0 Inactive.

Device ID	Status	Speed	Distance	Battery	Timestamp	Location
223001-SUS	Running	99 KM/H	333KM	14V	21-AUG-17 19:15	82 Toh Guan Rd E, Singapore 608576
223001-SUS	Running	99 KM/H	333KM	14V	21-AUG-17 19:15	82 Toh Guan Rd E, Singapore 608576
223001-SUS	Running	99 KM/H	333KM	14V	21-AUG-17 19:15	82 Toh Guan Rd E, Singapore 608576
223001-SUS	Running	99 KM/H	333KM	14V	21-AUG-17 19:15	02 Toh Guan Rd E, Singapore 608576

This interface is used for following:

- Live Device Tracking
- Multiple Device Tracking
- History Tracking (History Play Back)
- Reports
- Admin Menu &
- Logout

Live Device Tracking

There are Two modes for view

Map View

It will show various view for digital maps like Customized (Own map data), Google, Yahoo, Open-street and satellite view. It will represent geographical view of your asset current location.

Data View

It will show various data for asset positions like Location Name (reverse Geocode), Asset status (ON or OFF or IDLE), Sensor status (Ignition, Fuel level, A/C, etc.), Alerts (Over Speed, Over time, Panic, etc.,)

Loading Asset on map

On Data View vehicle list will appear with Asset Unique-No (Registration-No or Fleet-No) as well relevant data. Each Asset-No will have Separate Check box to load vehicles on map. When user select the check box will appear on map with maximum zoom level. User can deselect for removing asset from map. Mouse over function will show the Asset necessary details when asset on map.

Map has various functions with simple clicks. They are

- Geo-fence
- POI(Point of interest)
- Full Screen View
- Default map(Own customized map)
- Google Map
- Satellite view

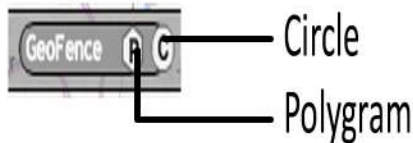
On map view left side there is symbol plus (+) for activates the tools. When user click the Plus tools will extent for access the various functions.

Geo-fence

Geo Fencing allows defining or zoning designations where users can define areas of high interest on a map that cause the system to generate events when monitored assets move in and out of the zone. These zones could be Customer Areas or any unauthorized areas or Depots etc.

How to create Geo-Fences?

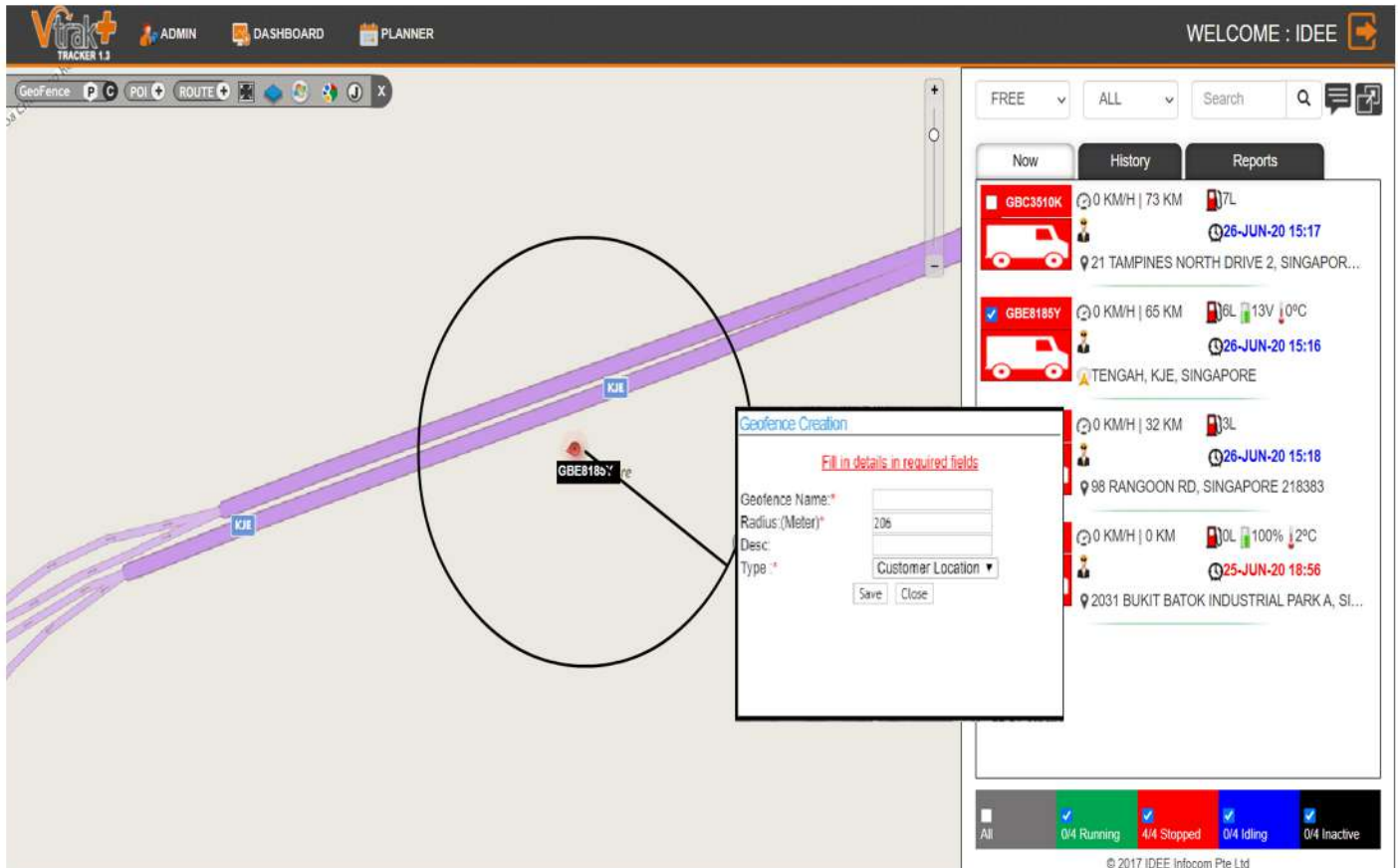
Step-by-step Instructions on using Geo-Fencing Module



Geo-fence button has two buttons View and Hide button will help to activate and deactivate Geo-fences on map. Create new (+) button will help to create new Geo-fence on map.

Asset ID	Speed	Location	Status	Last Update
GBC3510K	0 KMH 73 KM	21 TAMPINES NORTH DRIVE 2, SINGAPOR...	7L	26-JUN-20 15:17
GBE8186Y	0 KMH 65 KM	TENGAH, KJE, SINGAPORE	6L 13V 0°C	26-JUN-20 15:16
GBK2220L	0 KMH 32 KM	98 RANGOON RD, SINGAPORE 218383	3L	26-JUN-20 15:18
YN8077G	0 KMH 0 KM	2031 BUKIT BATOK INDUSTRIAL PARK A, SI...	0L 100% 2°C	25-JUN-20 18:56

Once user draw the circle it will have option for save (✓) and clear (X). When user click the Save button it will open popup window for key-in necessary data for Geo-fence identity. Refer below screen.



After key-in the data press save button in pop up window. User will get “Operation Successful” message on Status bar. Next user can able to view Geo-fence on map when activate Geo-fence view and hide button.

From there user can Edit and Delete the Geo-fence when click on Geo-fence surface. Refer the below screen.

The screenshot shows the Vtrak Tracker 1.1 interface. The top navigation bar includes 'ADMIN', 'DASHBOARD', and 'PLANNER'. The main map area displays a circular Geo-fence centered on a vehicle labeled 'GBE8185Y'. A distance of '214 Meters' is indicated. The right-hand panel shows a list of vehicles with their status, location, and last update time. The status bar at the bottom indicates: All (0/4 Running, 4/4 Stopped, 0/4 Idling, 0/4 Inactive).

Vehicle ID	Status	Location	Last Update
GBC3510K	Stopped	21 TAMPINES NORTH DRIVE 2, SINGAPOR...	26-JUN-20 15:17
GBE8185Y	Running	TENGAH, KJE, SINGAPORE	26-JUN-20 15:16
GBK2220L	Stopped	98 RANGOON RD, SINGAPORE 218383	26-JUN-20 15:18
YN8077G	Stopped	2031 BUKIT BATOK INDUSTRIAL PARK A, SI...	25-JUN-20 18:56

POI

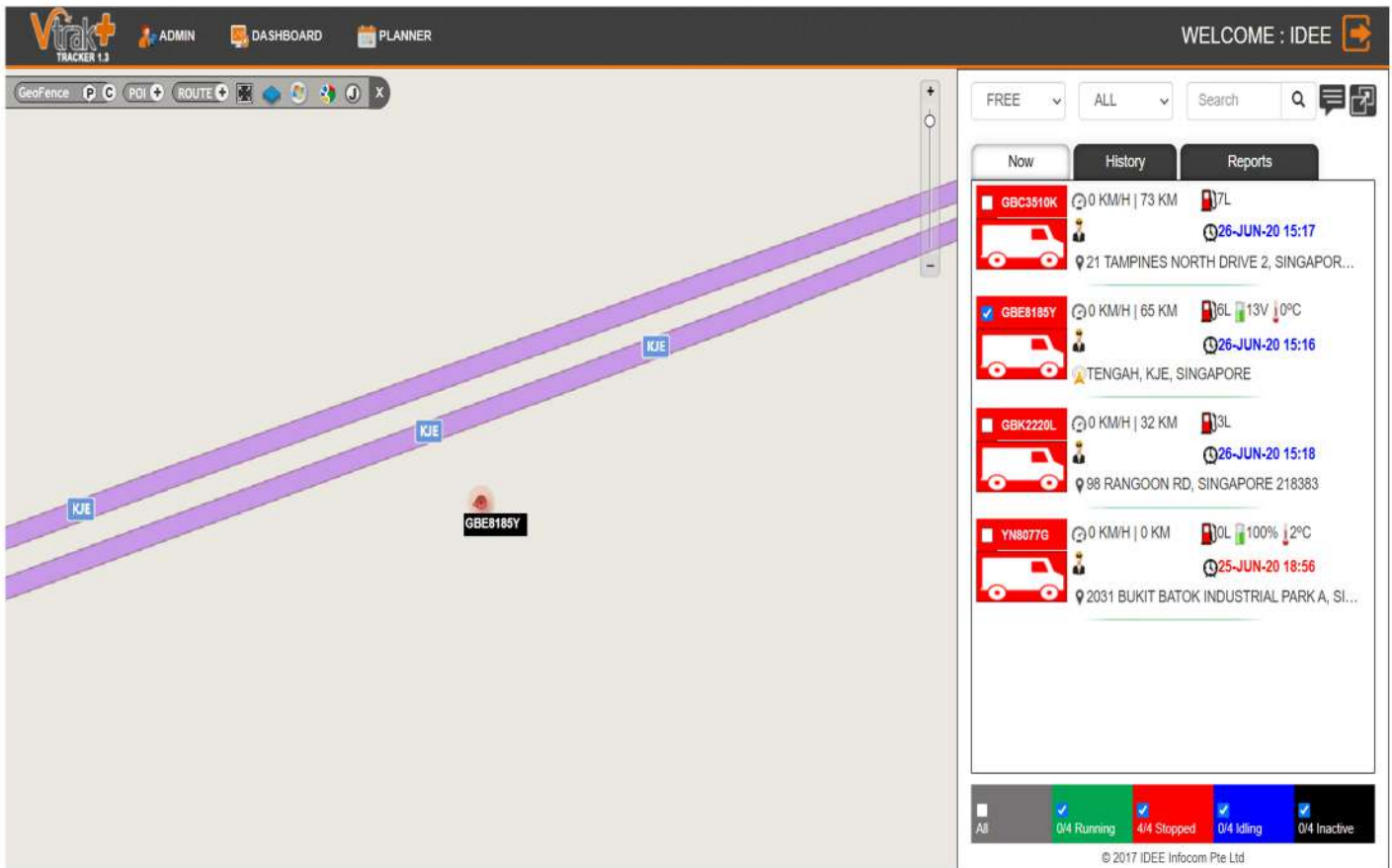
POI Creation steps as like Geo-fence creation. Refer below screens

The screenshot shows the Vtrak Tracker 1.1 interface with the 'POI Creation' dialog box open. The dialog box contains the following fields and options:

- POI Name:** [Empty text field]
- Desc:** [Empty text field]
- Type:** AIRPORT (dropdown menu)
- Save** and **Close** buttons

The background map shows a vehicle labeled 'GBE8185Y' and a list of other vehicles on the right. The status bar at the bottom indicates: All (0/4 Running, 4/4 Stopped, 0/4 Idling, 0/4 Inactive).

Once save the POI it will appear on map base POI activate button clicks



Full Screen

Button will display the map Full screen on system monitor.

Default Map

Will switch to customized map which is provided by iDee InfoCom Pte Ltd.

Google Map

Button will activate Google map on our system. Its license based use.

Satellite View

Button will activate satellite map view. Our system will load different map in single click with out any other plug-ins.

Multiple Device Tracking

Here, users are able to track multiple assets at one time. In Data view screen user can able to select multi Checkbox for track multi Assets on single screen.

This action would start the device tracking process and you can see assets icons on the map indicating its exact location as shown below:

The screenshot displays the Vtrak+ Tracker 1.1 web interface. The top navigation bar includes 'ADMIN', 'DASHBOARD', and 'PLANNER' tabs, along with a 'WELCOME : IDEE' message. The main area is a map of Singapore with several asset icons overlaid. A data panel on the right side lists the following assets:

Asset ID	Status	Speed	Distance	Battery	Temperature	Location	Last Update
GBE3510K	Running	0 KM/H	73 KM	17L	-	21 TAMPINES NORTH DRIVE 2, SINGAPOR...	26-JUN-20 15:17
GBE3185Y	Running	0 KM/H	65 KM	16L	13V 0°C	TENGAH, KJE, SINGAPORE	26-JUN-20 15:16
GBK2220L	Running	0 KM/H	32 KM	13L	-	98 RANGOON RD, SINGAPORE 216383	26-JUN-20 15:18
YN8077G	Running	0 KM/H	0 KM	10L	100% 2°C	2031 BUKIT BATOK INDUSTRIAL PARK A, SI...	25-JUN-20 18:56

At the bottom of the data panel, there is a summary bar showing: All (4/4 Running, 4/4 Stopped, 0/4 Idling, 0/4 Inactive). The footer of the interface reads '© 2017 IDEE Infocom Pte Ltd'.

History Tracking (History Play Back)

History Track function will help user to monitor past day actions for Assets. It will do play back with animated asset moving of assets

Step by step instruction for History Tracking

On Data view Screen there are 3 Tabs called

- ▶ Live
- ▶ History
- ▶ Reports

By Default Live will be activated when user login. User must click History tab when he need to do play back. Once History Track Mode activate Data will page will changed to History play back with Asset-No list box with Time duration section components. User has to choose any one asset with duration for History playback and click submit. Refer screens

The screenshot displays the Virak+ Tracker 1.3 interface. The top navigation bar includes 'ADMIN', 'DASHBOARD', and 'PLANNER' tabs, along with a 'WELCOME : IDEE' message. The main area is split into a map on the left and a control panel on the right. The map shows a green track of a vehicle's movement across Singapore, with 'Started Here' and 'Finished Here' markers. The control panel on the right has three tabs: 'Now', 'History', and 'Reports'. Under the 'History' tab, there is a 'Choose Vehicle' section with a dropdown menu showing 'GBC3510K', 'GBE8185Y', 'GBK2220L', and 'YN8077G'. Below this is a 'Duration' section with 'Date' set to '2020/06/25' and 'Time' set to '08:00' to '20:00', and a 'History Play Back' button. A 'Details' table is shown below:

Vehicle No	GBC3510K
OverSpeed Occured	1 Times
Total Running Time	03:34 (HH:MM)
Total Idle Time	03:52 (HH:MM)
Total Stop Time	04:21 (HH:MM)
Total Distance	83KM
Total Fuel Consumed & Cost	8L & \$8.0

At the bottom of the control panel, there is a status bar showing: All (0/4 Running), 0/4 Stopped, 0/4 Idling, and 0/4 Inactive. The footer of the interface reads '© 2017 IDEE Infocom Pte Ltd'.

Reports

These reports are dynamic reports that can be made accessible to users by the Administrator.

- Activity Report
- Location Report
- Graphical Report for Speed and Utilization
- Speed exception
- Geo-fence Report

On Data view 3rd tab called Reports. When users activate Report tab, data view will change to Report view with Report name list, Asset List box and duration selection components. Refer screens below.

The screenshot displays the Virak+ Tracker 1.3 interface. The top navigation bar includes 'ADMIN', 'DASHBOARD', and 'PLANNER' tabs, with 'WELCOME : IDEE' on the right. The main area is split into a map on the left and a report generation panel on the right. The map shows Singapore with various locations marked. The report panel on the right has a 'Reports' tab selected. It contains a 'Choose Report' section with a dropdown menu set to 'Activity Report'. Below that is a 'Choose Vehicle' section with a list of vehicle IDs: GBC3510K, GBEB185Y, GBK2220L, and YN8077G. The 'Duration' section has 'Start Date' set to 2020/06/25 00:00 and 'End Date' set to 2020/06/25 23:59, with a 'Generate' button. At the bottom of the panel, there is a status summary: All (0/4 Running, 4/4 Stopped, 0/4 Idling, 0/4 Inactive). The footer of the interface reads '© 2017 IDEE Infocom Pte Ltd'.

Some of Report Samples:

USER INFO		REPORT INFO		DOWNLOAD
NAME :	IDEE INFOCOM PTE LTD	REPORT :	ACTIVITY REPORT	
ADDRESS :	KAKI BUKIT PLACE	DURATION :	2016-04-14 00:00 TO 2016-04-14 23:59	
SOFTWARE :	VTRAK 1.4	VEHICLES :	GBX12345,SEX1245	

S No	Asset No.	Opert Name	Activites	Start D/T	End D/T	S/E Location	Time Taken (HH:MM)	Distance
1	5	DL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
2	5	DL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
3	5	DL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
4	5	DL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
5	5	DL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
6	5	DL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
7	5	DL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
8	5	DL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
9	5	DL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
10	5	DL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
11	5	DL	GBE8185Y	1.3261,103.674	12 JOO KOON ROAD Singapore 628975	0	95627	OFF
12	5	DL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95628	OFF
13	5	DL	GBE8185Y	1.3261,103.674	12 JOO KOON ROAD Singapore 628975	0	95630	OFF
14	5	DL	GBE8185Y	1.3261,103.674	12 JOO KOON ROAD Singapore 628975	0	95630	OFF
15	5	DL	GBE8185Y	1.3261,103.674	12 JOO KOON ROAD Singapore 628975	0	95630	OFF



Some of Report Samples:

USER INFO	REPORT INFO	DOWNLOAD
NAME : IDEE INFOCOM PTE LTD ADDRESS : KAKI BUKIT PLACE SOFTWARE : VTRAK 1.4	REPORT : ACTIVITY REPORT DURATION : 2016-04-14 00:00 TO 2016-04-14 23:59 VEHICLES : GBX12345,SEX1245	

S No	Asset No.	Opert Name	Activites	Start D/T	End D/T	S/E Location	Time Taken (HH:MM)	Distance
1	5	OL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
2	5	OL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
3	5	OL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
4	5	OL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
5	5	OL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
6	5	OL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
7	5	OL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
8	5	OL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
9	5	OL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
10	5	OL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95625	OFF
11	5	OL	GBE8185Y	1.3261,103.674	12 JOO KOON ROAD Singapore 628975	0	95627	OFF
12	5	OL	GBE8185Y	1.32262,103.688	257 Jln Ahmad Ibrahim, Singapore 629147	0	95628	OFF
13	5	OL	GBE8185Y	1.3261,103.674	12 JOO KOON ROAD Singapore 628975	0	95630	OFF
14	5	OL	GBE8185Y	1.3261,103.674	12 JOO KOON ROAD Singapore 628975	0	95630	OFF
15	5	OL	GBE8185Y	1.3261,103.674	12 JOO KOON ROAD Singapore 628975	0	95630	OFF

Speed Exception Report

Vehicle No - FBM2443A

Duration - 2017-10-18 00:00 to 2017-10-18 23:59

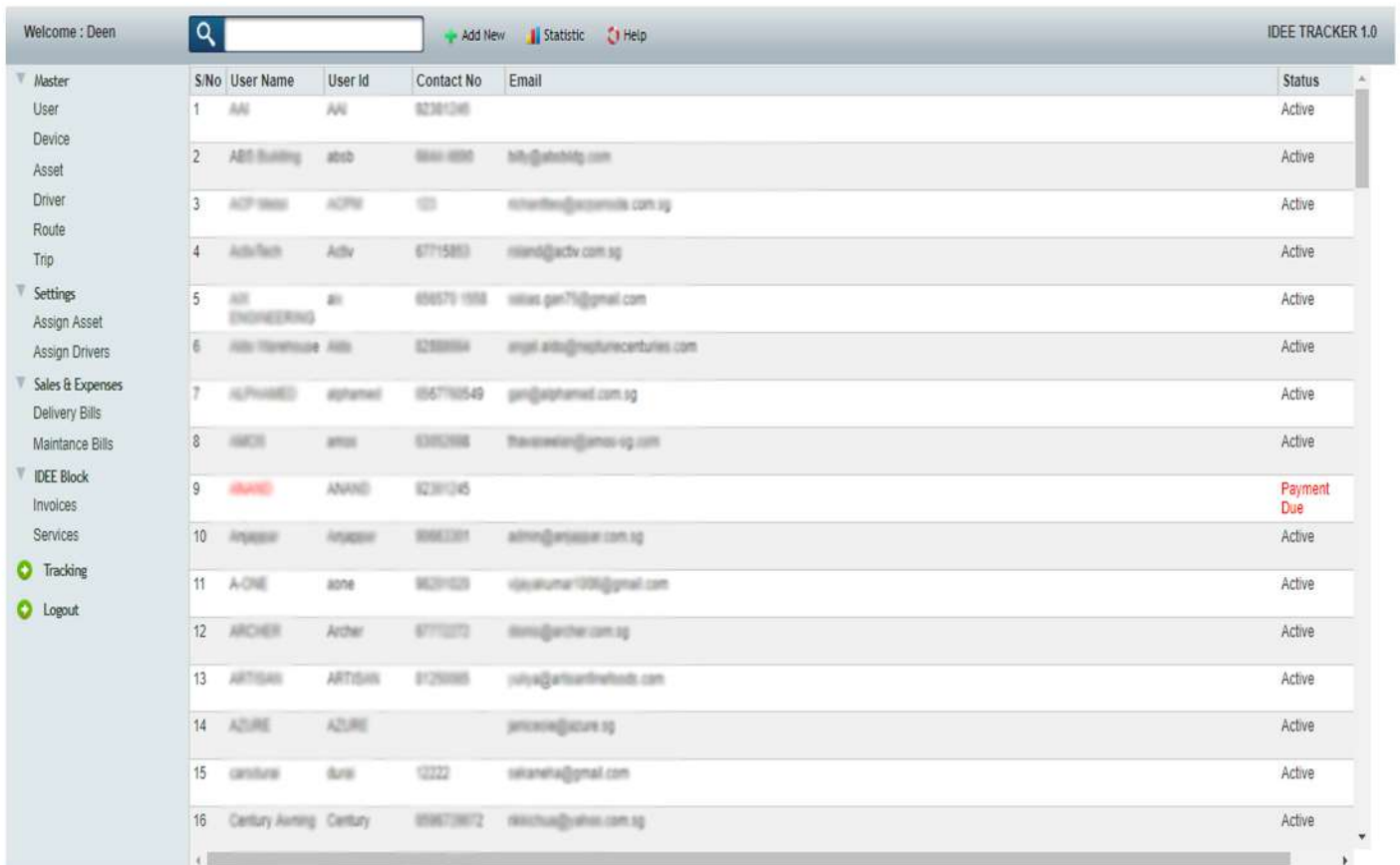
Report Date - 19th October 2017

Company - Deen IDEE INFOCOM, EUNOS TECH PARK

S No.	Date Time	GPS Coordinates	Location	Speed
1	18-10-17 22:26	1.30407,103.884 [?]	708 Mountbatten Rd, Singapore 437733	86
2	18-10-17 22:22	1.30708,103.907 [?]	6 Chapel Rd, Singapore	65
3	18-10-17 21:57	1.32055,103.88 [?]	PIE, Singapore	66
4	18-10-17 20:12	1.31258,103.874 [?]	112 Lor 3 Geylang, Singapore	61
5	18-10-17 15:41	1.31643,103.841 [?]	4E Buckley Rd, Singapore 309760	68
6	18-10-17 15:40	1.31708,103.836 [?]	36H Dunearn Rd, Singapore 309433	70
7	18-10-17 15:39	1.32078,103.826 [?]	Wayang Satu Flyover, Singapore	75
8	18-10-17 15:38	1.32322,103.815 [?]	493 Bukit Timah Rd, Singapore 259757	69
9	18-10-17 15:36	1.33173,103.796 [?]	731 Dunearn Rd, Singapore 289632	67
10	18-10-17 15:35	1.3351,103.786 [?]	852 Dunearn Rd, Singapore 589462	72
11	18-10-17 15:34	1.33555,103.778 [?]	535 Clementi Rd, Singapore 599489	75
12	18-10-17 15:32	1.32528,103.774 [?]	435 Clementi Rd, Singapore	67
13	18-10-17 15:31	1.3207,103.771 [?]	333 Clementi Rd, Singapore 129795	65
14	18-10-17 14:38	1.30678,103.767 [?]	AYE, Singapore	72
15	18-10-17 14:37	1.3011,103.777 [?]	AYE, Singapore	83
16	18-10-17 14:35	1.29713,103.786 [?]	North Buona Vista Rd, Singapore	73
17	18-10-17 13:50	1.28492,103.815 [?]	3781 Jalan Bukit Merah, Singapore 159463	68
18	18-10-17 13:44	1.29118,103.834 [?]	60 Kim Seng Rd, Singapore 239497	83

Admin

By clicking the 'Admin' button you will be automatically redirected back to the Admin User main interface.



The screenshot shows the Admin interface for IDEE TRACKER 1.0. The top navigation bar includes a search bar, 'Add New', 'Statistic', and 'Help' buttons. A sidebar on the left lists various menu items: Master (User, Device, Asset, Driver, Route, Trip), Settings (Assign Asset, Assign Drivers), Sales & Expenses (Delivery Bills, Maintenance Bills), IDEE Block (Invoices, Services), Tracking, and Logout. The main content area displays a table of users with columns for S/No, User Name, User Id, Contact No, Email, and Status.

S/No	User Name	User Id	Contact No	Email	Status
1	AAI	AAI	82381245		Active
2	ABE Building	absb	8888 8888	ahb@abebldg.com	Active
3	ACP Asset	acpa	111	acp@acp.com.sg	Active
4	Adv/tech	Adv	67715893	rsand@adv.com.sg	Active
5	AI ENGINEERING	ai	696579 1998	aiias.gan71@gmail.com	Active
6	AIH Warehouse	aihw	82888884	aihw@aihw.com.sg	Active
7	ALPHAMET	alphamet	957110549	gan@alphamet.com.sg	Active
8	ARCS	arcs	83852988	thawee@arcs.com.sg	Active
9	ANAND	ANAND	82381245		Payment Due
10	ANASAP	Anasap	88883381	admin@anasap.com.sg	Active
11	A-ONE	one	96291123	ajaykumar199@gmail.com	Active
12	ARCHER	Archer	87712272	8888@archer.com.sg	Active
13	ARTISAN	ARTISAN	8129888	ajaya@artisannetworks.com	Active
14	AZURE	AZURE		gan@azure.com.sg	Active
15	AVIA	Avia	12222	skanada@gmail.com	Active
16	Century Aving	Century	88873872	8888@century.com.sg	Active

Admin mode will have permission to create, modify and delete all master records

- Asset(it could be Vehicle, fleet or any movable device)
- Device(Smart Box)
- User
- Group
- Setting
- Control Room
- Go Back to Tracking

Logout

Users can either logout from this page or logout from the Admin User main interface. To Logout just click 'Logout' button.

iDee InfoCom Pte Ltd

13 Kaki Bukit Road 4,

#01-08 Bartley Biz Centre, Singapore 417807.

Tel: +65-62936461 Mob: +65-92381245 Email: sales@idee.sg

For More Information about Idee Infocom visit: www.idee.sg

