

AirTrak

iDEE

AirTrak
----- Aviation sector

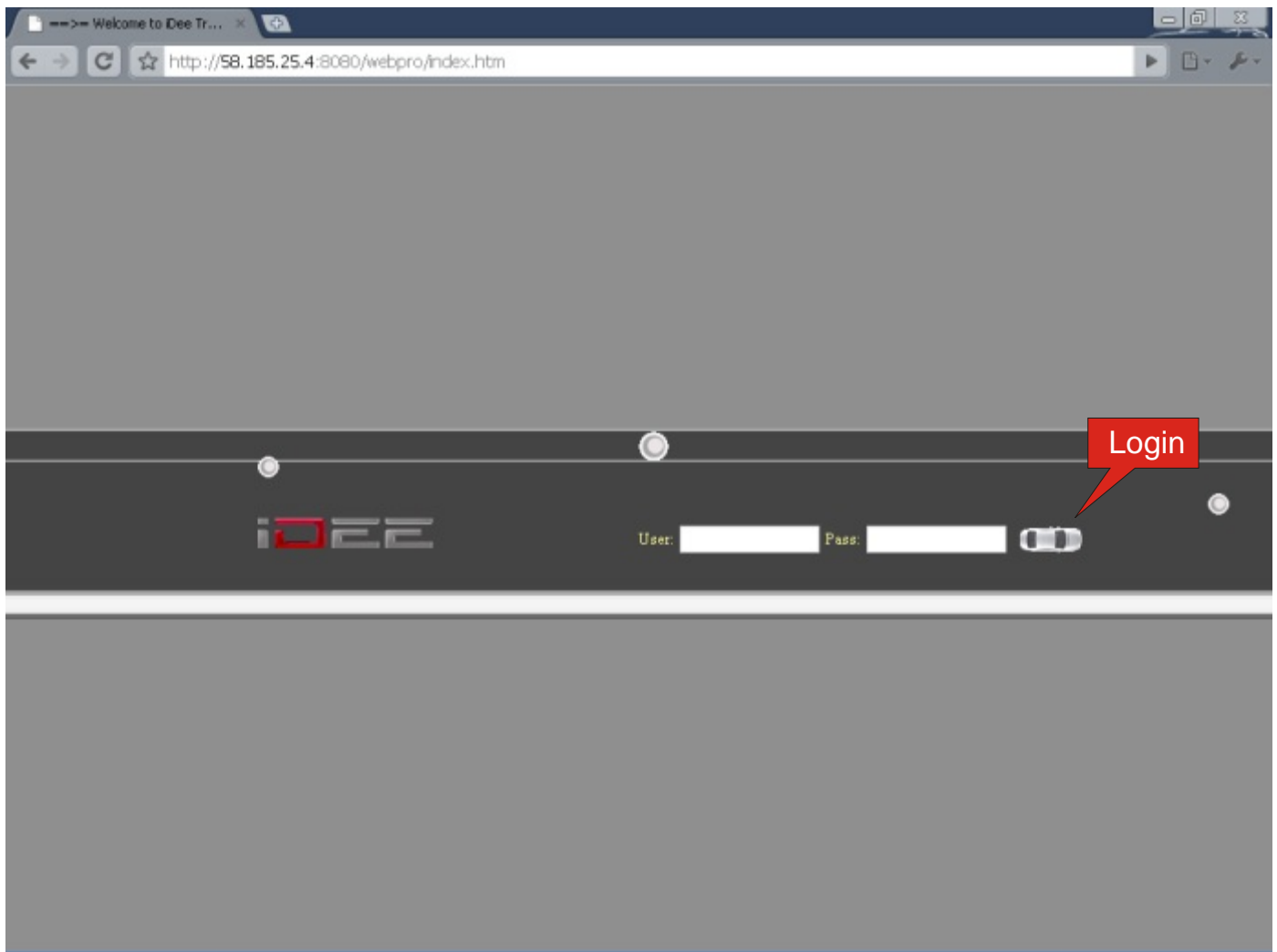
User Manual for AirTrak System

► 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.

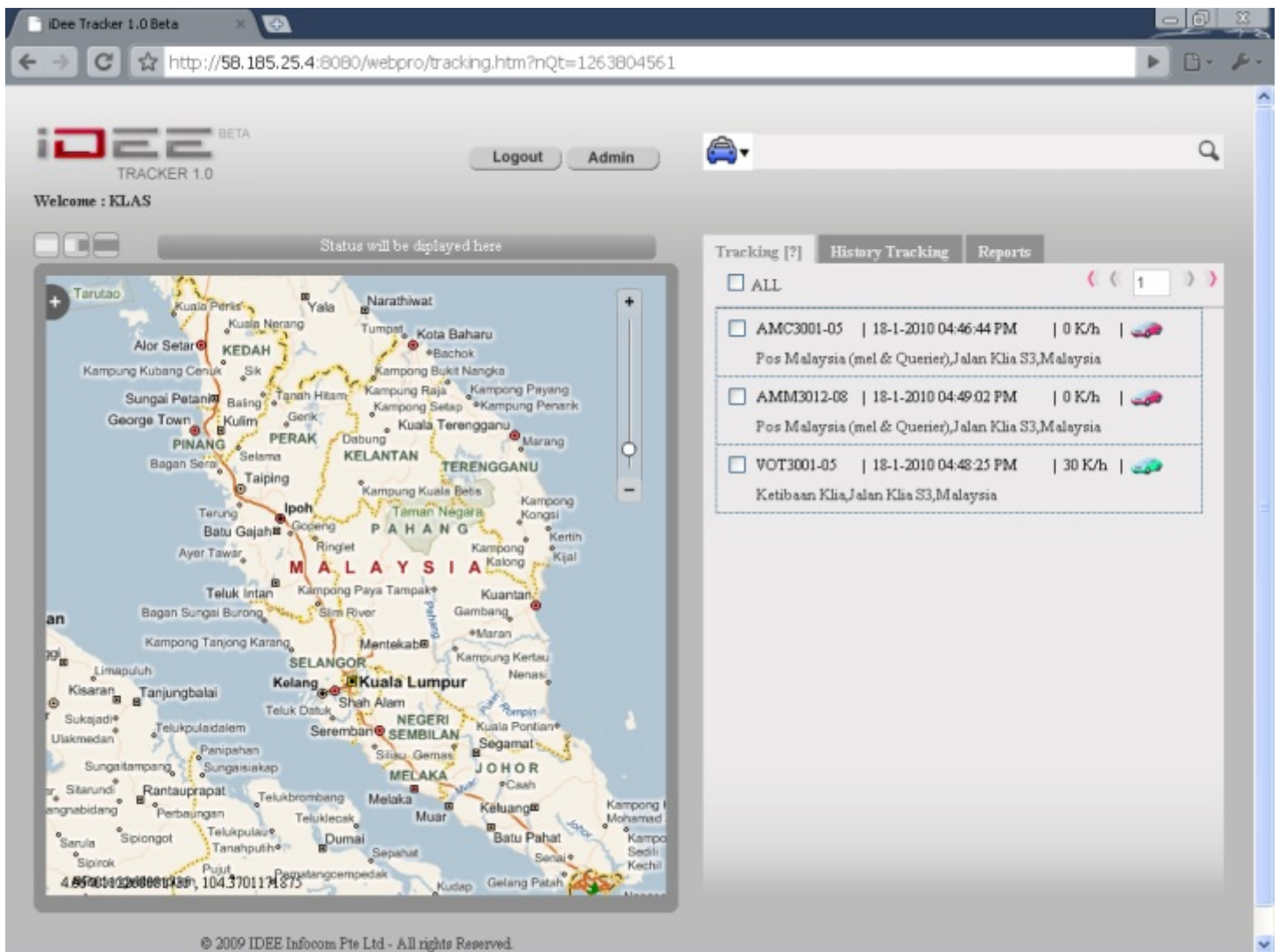


▶ Logging In

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.



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

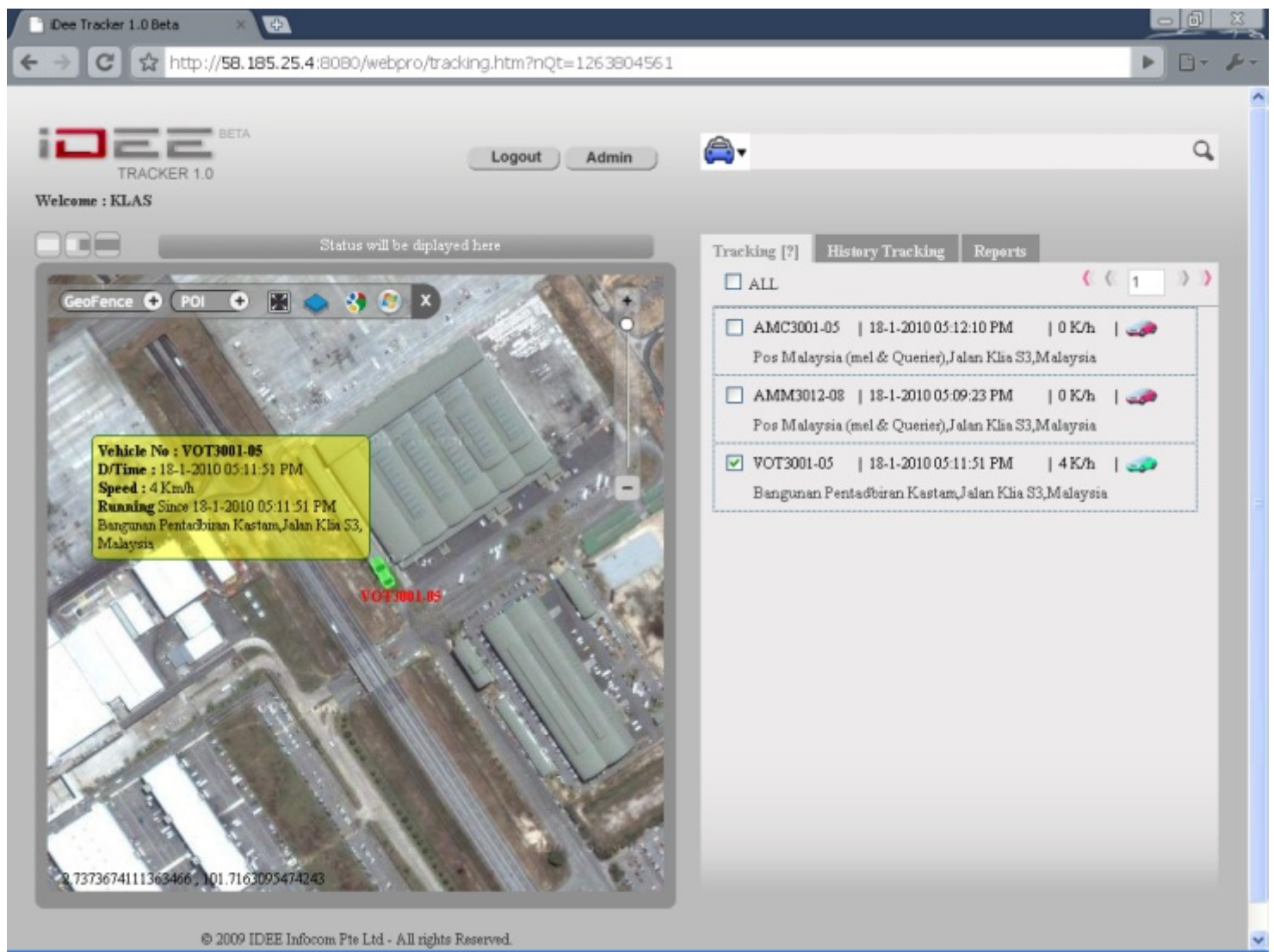
It will show various view for digital maps like Customized (Own map data), Google, Yahoo, Open-street and satellite view. It will represent geographical view of your asset current location.

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, et.,)

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

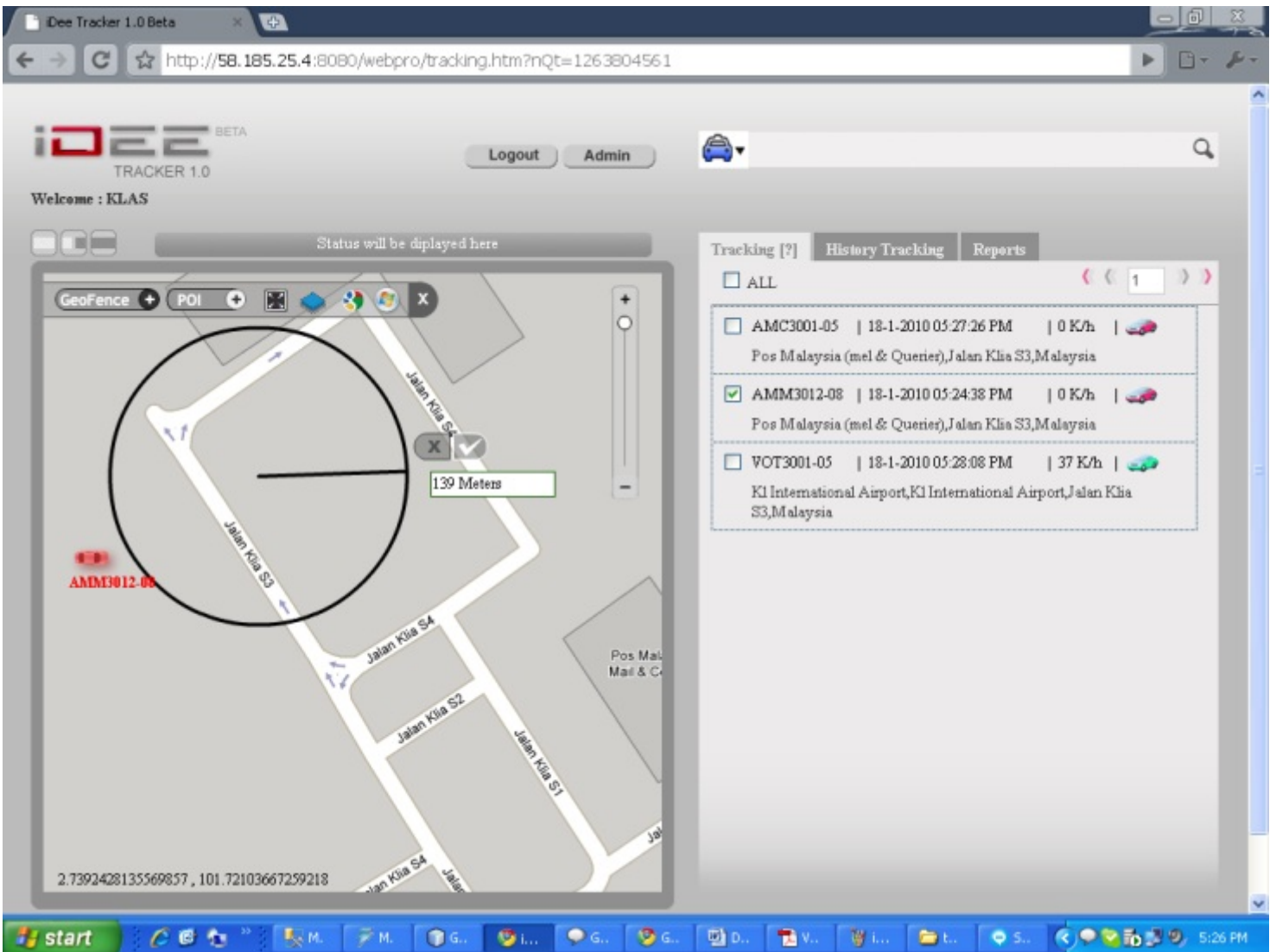
Geo Fencing allows defining or zoning designations where users can define areas of high interest on a map that cause the system to generate events when monitored assets move in and out of the zone. These zones could be Customer Areas or any unauthorized areas or Depots etc.

How to create Geo-Fences?

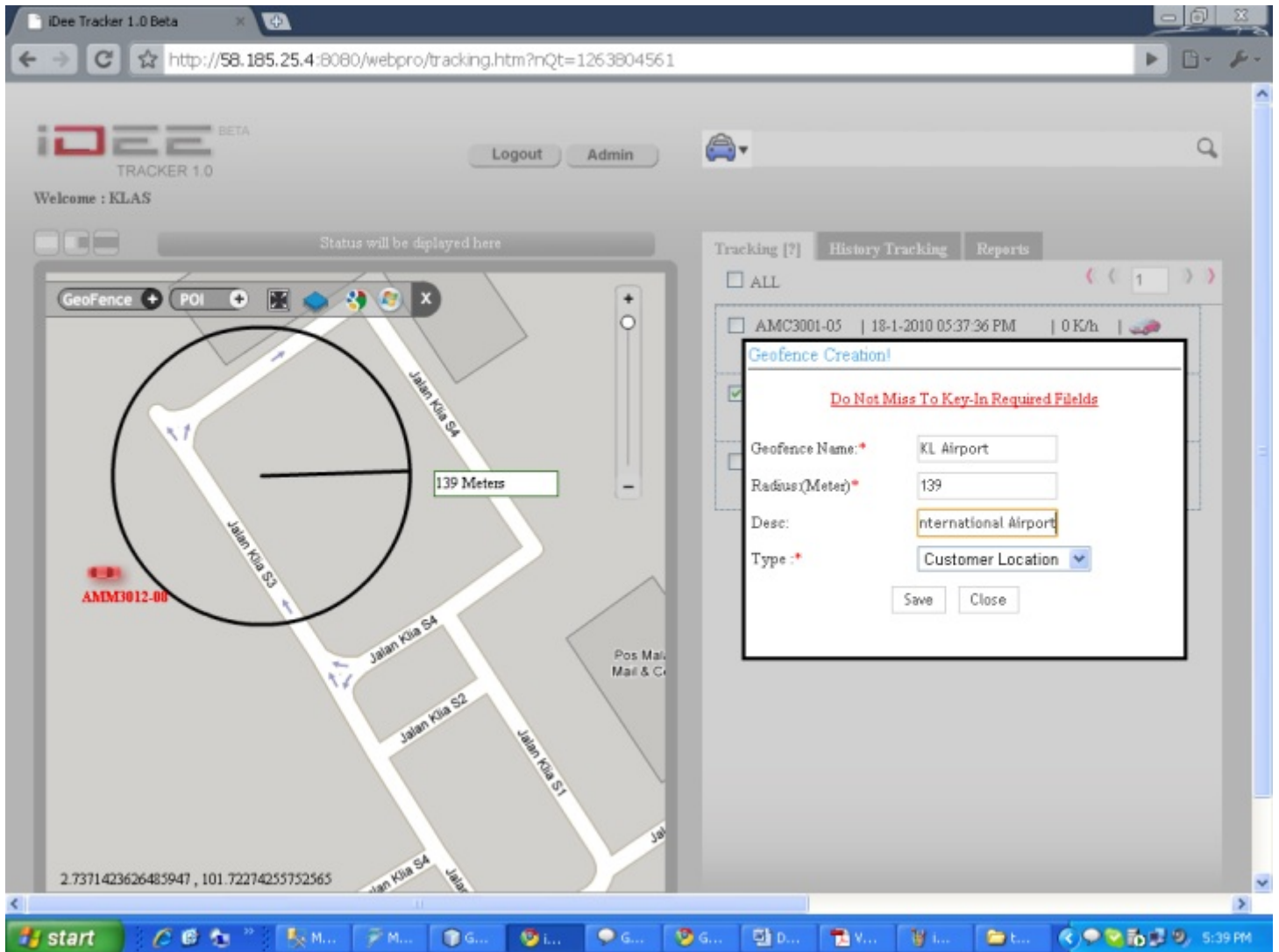
Step-by-step Instructions on using Geo-Fencing Module.



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.

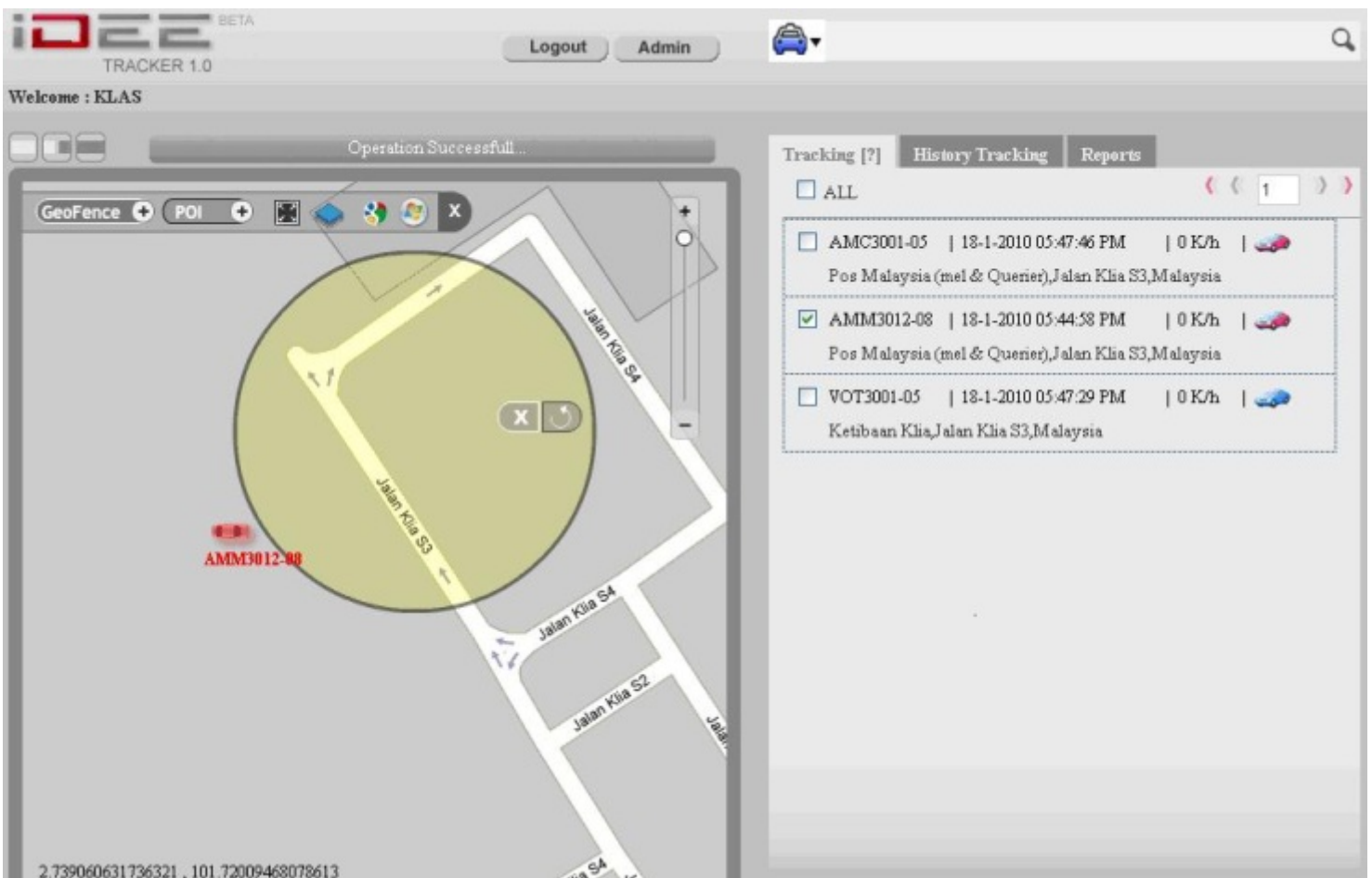


Once user draw the circle it will have option for save (✓) and clear (X). When user click the Save button it will open popup window for key-in necessary data for Geo-fence identity. Refer below screen.



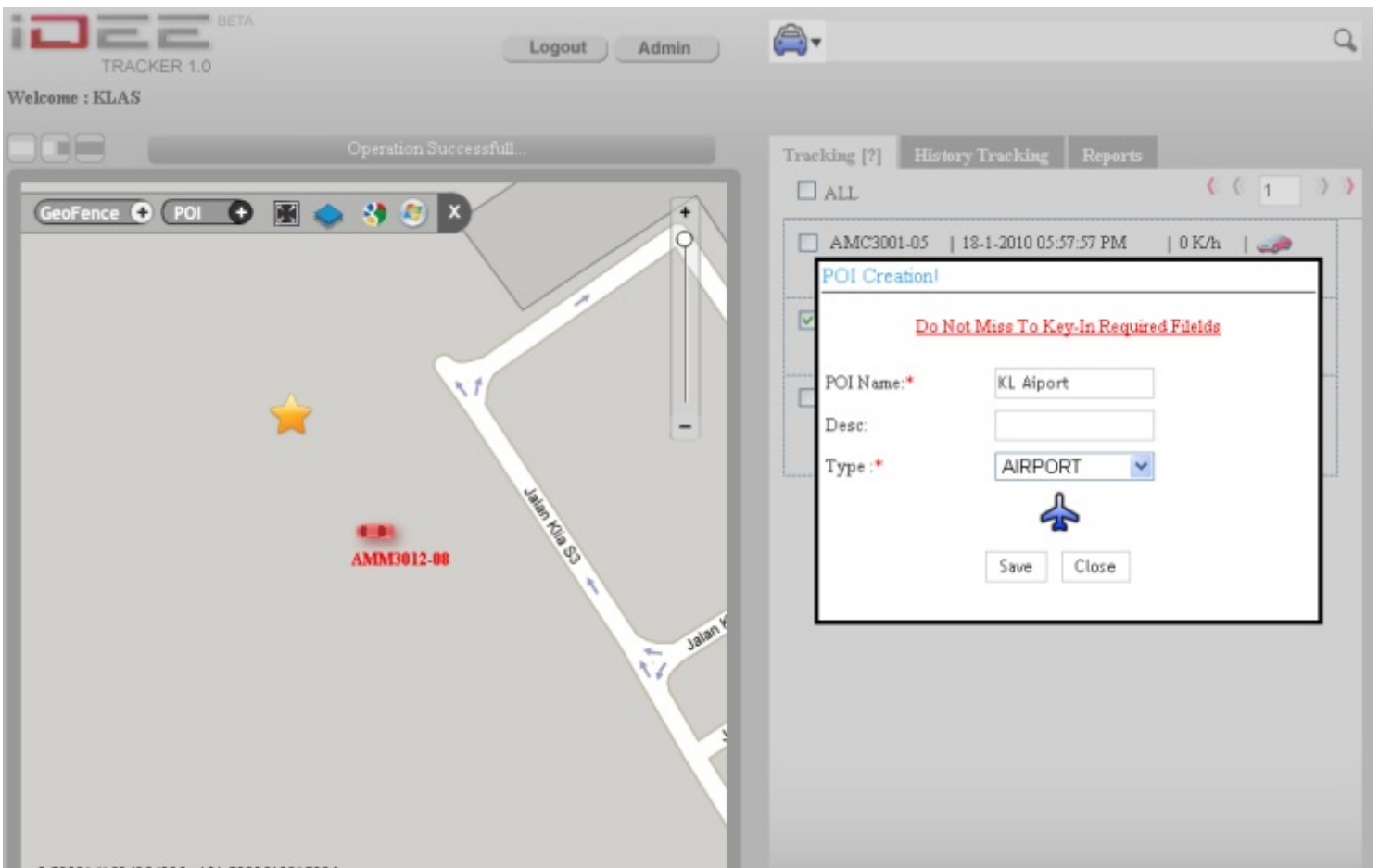
After key-in the data press save button in pop up window. User will get “Operation Successful” message on Status bar. Next user can able to view Geo-fence on map when activate Geo-fence view and hide button.

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

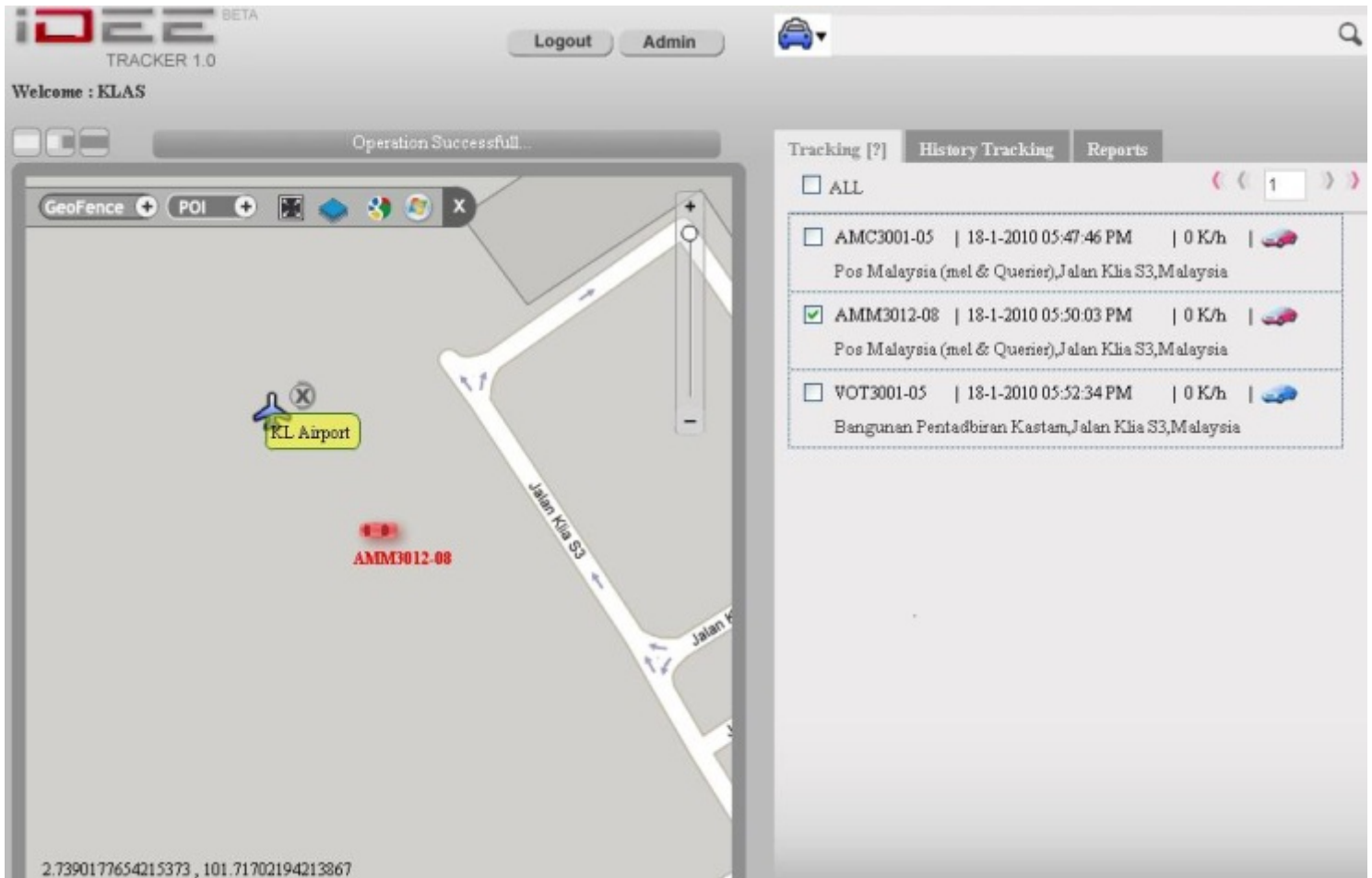


POI

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



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 iDEE Tracker 1.0 Beta web application. The browser address bar shows the URL: `http://58.185.25.4:8080/webpro/tracking.htm?nQt=1263808305`. The interface includes a header with the iDEE logo, "TRACKER 1.0", and "BETA" text, along with "Logout" and "Admin" buttons. A "Welcome : KLAS" message is visible. Below the header, there are navigation tabs for "Tracking [?]", "History Tracking", and "Reports". The "Tracking [?]" tab is active, showing a list of tracked vehicles. The map on the left shows an aerial view of an industrial area with several vehicle icons. A yellow tooltip is displayed over one of the icons, providing details for vehicle VOT3001-05. The tracking list on the right contains three entries, each with a checkbox, vehicle ID, timestamp, speed, and location.

Vehicle ID	Timestamp	Speed	Location
<input type="checkbox"/> AMC3001-05	18-1-2010 06:24:25 PM	0 K/h	Pos Malaysia (mel & Querier),Jalan Klia S3,Malaysia
<input checked="" type="checkbox"/> AMM3012-08	18-1-2010 06:23:17 PM	0 K/h	Pos Malaysia (mel & Querier),Jalan Klia S3,Malaysia
<input checked="" type="checkbox"/> VOT3001-05	18-1-2010 06:26:09 PM	53 K/h	Bangunan Pentadbiran Kastam,Jalan Klia S5,Malaysia

Vehicle No : VOT3001-05
D/Time : 18-1-2010 06:26:09 PM
Speed : 53 Km/h
Running Since 18-1-2010 06:21:05 PM
Bangunan Pentadbiran Kastam,Jalan Klia S5,
Malaysia

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▶ 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 iDEE TRACKER 1.0 web application interface. The browser address bar shows the URL: <http://58.185.25.4:8080/webpro/tracking.htm?nQt=1263808305>. The page header includes the iDEE logo, the text "BETA TRACKER 1.0", and navigation buttons for "Logout" and "Admin". A welcome message reads "Welcome : KLAS".

The main content area is divided into two sections. On the left is a map titled "History Track" showing a route through Malaysia, starting from "Started Here" near Pulau Pinang and ending at "Finished Here" near Kuala Lumpur. The map includes labels for various states and cities like Perak, Ipoh, Selangor, and Kuala Lumpur.

On the right is a control panel with three tabs: "Tracking [?]", "History Tracking" (which is active), and "Reports". Under the "History Tracking" tab, there is a "Choose Vehicle" section with a dropdown menu showing "AMC3001-05", "AMM3012-08" (selected), and "VOT3001-05". Below this is a "Duration" section with "Date" set to "17/01/2010" and "Time" set from "10:00" to "23:59". A "Submit" button is located below the time pickers.

At the bottom of the control panel is a table titled "AMM3012-08 Details" with the following data:

AMM3012-08 Details	
OverSpeed Occured	286 Times
Total Trips	Nil
Gefence Crossed	Nil
Total Running Time	06:27 (HH:MM)
Total Idle Time	00:54 (HH:MM)
Total Stop Time	06:38 (HH:MM)
Total Distance	394 KM

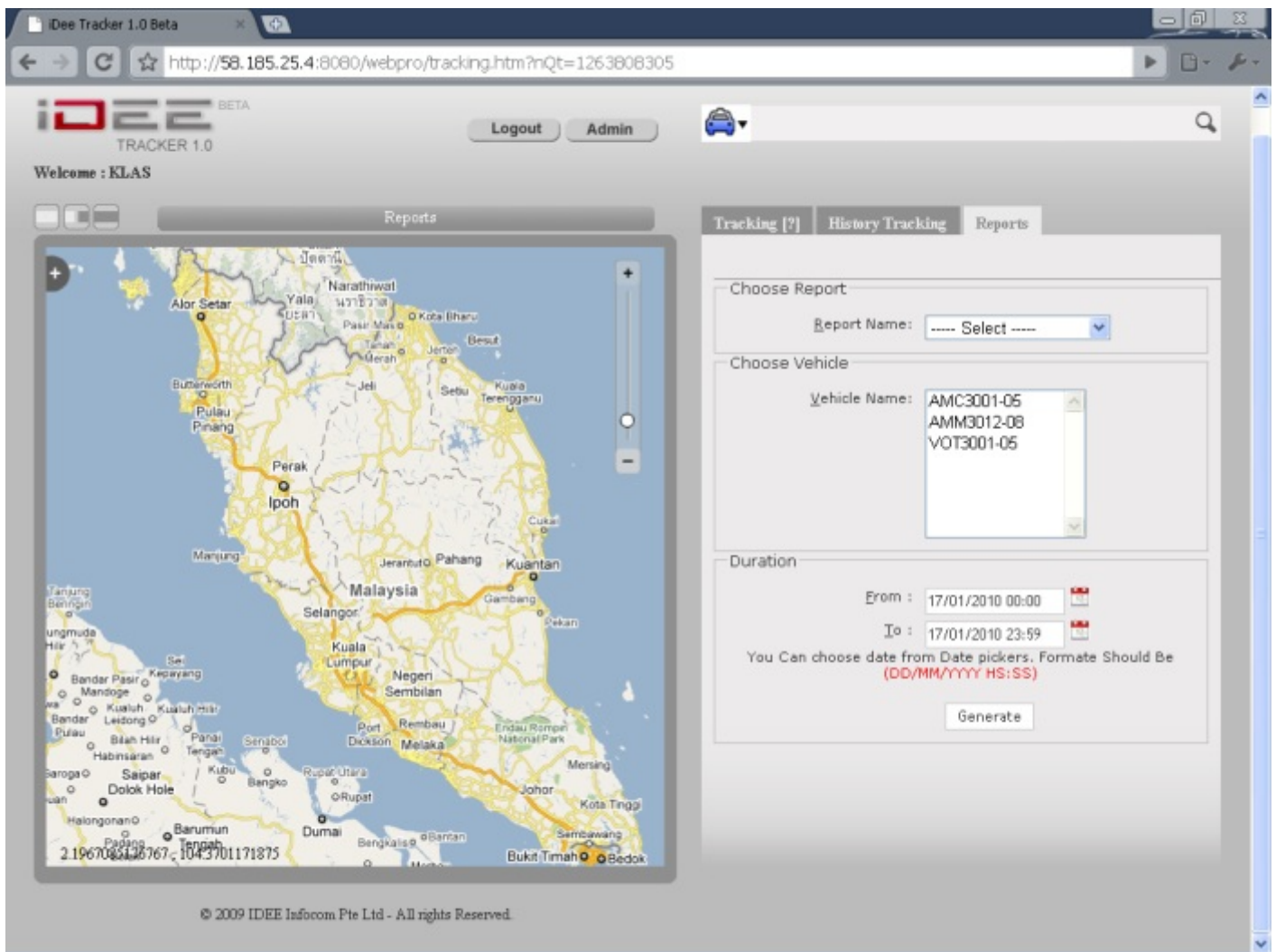
The footer of the page contains the copyright notice: "© 2009 iDEE Infocom Pte Ltd - All rights Reserved."

▶ 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.



Some of Report Samples:

Location Report									
Vehicle No : AMM3012-08 Duration : 2010-01-17 10:00 TO 2010-01-17 10:59								IDEE INFOCOM Pte Ltd SunTec City Singapore Report Date: 18 th January 2010	
SNo	Date Time	Gps Coordinates [?]	Location	Speed(k/h)	Ignition	Odometer	GPS	Main PWR	
Vehicle No : AMM3012-08									
1	17-1-2010 10:58:02 AM	5.290872,100.290016 [?]	Excel,Bayan Lepas Expressway,Mukim 12,Barat Daya,Pulau Pinang,Malaysia	57	ON	0	Valid	Low	
2	17-1-2010 10:57:01 AM	5.28518,100.28723 [?]	Tokong Cina,Jalan Batu Maung,Mukim 12,Barat Daya,Pulau Pinang,Malaysia	42	ON	0	Valid	Low	
3	17-1-2010 10:56:00 AM	5.287582,100.28331 [?]	Balai Raya,Jalan Batu Maung,Mukim 12,Barat Daya,Pulau Pinang,Malaysia	0	ON	0	Valid	Low	
4	17-1-2010 10:54:59 AM	5.290832,100.27815 [?]	Kg. Naran,Jalan Batu Maung,Mukim 12,Barat Daya,Pulau Pinang,Malaysia	44	ON	0	Valid	Low	
5	17-1-2010 10:53:58 AM	5.291546,100.27424 [?]	Komplek Maskargo,Jalan Batu Maung,Mukim 12,Barat Daya,Pulau Pinang,Malaysia	24	ON	0	Valid	Low	
6	17-1-2010 10:52:57 AM	5.291818,100.27437 [?]	Komplek Maskargo,Jalan Batu Maung,Mukim 12,Barat Daya,Pulau Pinang,Malaysia	0	ON	0	Valid	Low	
7	17-1-2010 10:51:56 AM	5.291099,100.27389 [?]	Komplek Maskargo,Jalan Batu Maung,Mukim 12,Barat Daya,Pulau Pinang,Malaysia	0	ON	0	Valid	Low	
8	17-1-2010 10:50:56 AM	5.291431,100.27431 [?]	Komplek Maskargo,Jalan Batu Maung,Mukim 12,Barat Daya,Pulau Pinang,Malaysia	0	ON	0	Valid	Low	
9	17-1-2010 10:49:55 AM	5.291444,100.274284 [?]	Komplek Maskargo,Jalan Batu Maung,Mukim 12,Barat Daya,Pulau Pinang,Malaysia	0	ON	0	Valid	Low	
10	17-1-2010 10:48:54 AM	5.291436,100.274284 [?]	Komplek Maskargo,Jalan Batu Maung,Mukim 12,Barat Daya,Pulau Pinang,Malaysia	0	ON	0	Valid	Low	
11	17-1-2010 10:47:53 AM	5.291441,100.27426 [?]	Komplek Maskargo,Jalan Batu Maung,Mukim 12,Barat Daya,Pulau Pinang,Malaysia	0	ON	0	Valid	Low	
12	17-1-2010 10:47:29 AM	5.29144,100.27426 [?]	Komplek Maskargo,Jalan Batu Maung,Mukim 12,Barat Daya,Pulau Pinang,Malaysia	0	ON	0	Valid	Low	
13	17-1-2010 10:46:52 AM	5.291444,100.27427 [?]	Komplek Maskargo,Jalan Batu Maung,Mukim 12,Barat Daya,Pulau Pinang,Malaysia	0	ON	0	Valid	Low	

Some of Report Samples:



Graphical Report

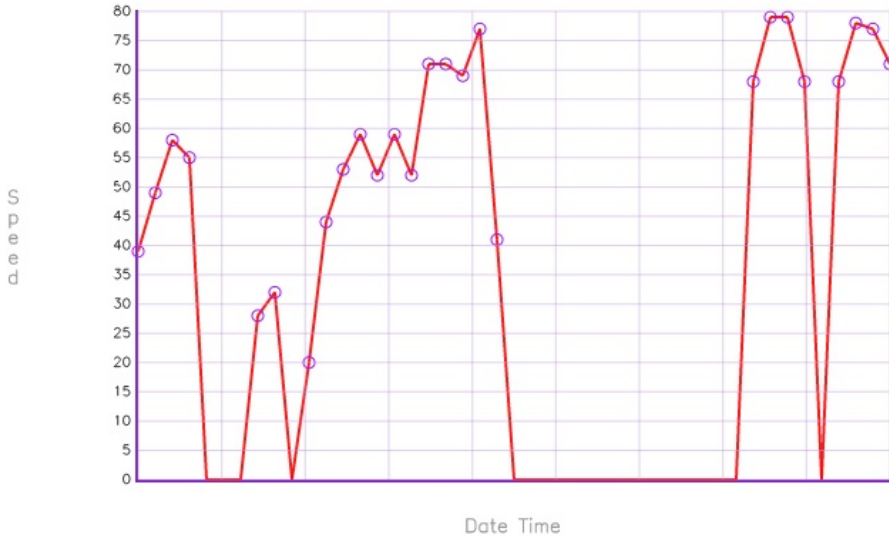
Vehicle No : AMM3012-08

Duration : 2010-01-17 11:00 TO 2010-01-17 11:59

IDEE INFOCOM Pte Ltd
SunTec City
Singapore

Report Date: 18th January 2010

Speed Graph



Powered : IDEE INFOCOM.

Some of Report Samples:

Activity Report

Vehicle No : AMM3012-08
Duration : 2010-01-17 00:00 TO 2010-01-17 23:59

IDEE INFOCOM Pte Ltd
SunTec City
Singapore
Report Date: 18th January 2010

SNo	Date Time	Activites	Start D/T	End D/T	S/E Location	Time Taken (HH:MM)	Distance
1	16-1-2010	STOP	07:21:41 PM	10:16:24 AM	Komplek Maskargo,Jalan Batu Maung,Mukim 12,Barat Daya,Pulau Pinang,Malaysia	14:54	0
2	17-1-2010	ACTIVE	10:16:24 AM	11:06:10 AM	Komplek Maskargo,Jalan Batu Maung,Mukim 12,Barat Daya,Pulau Pinang,Malaysia To Klinik Joe Fernandez,Jalan Bahagia,Malaysia	00:49	0
3	17-1-2010	ACTIVE	11:06:10 AM	03:27:34 PM	Klinik Joe Fernandez,Jalan Bahagia,Malaysia To Surau,Lorong Hj. Abdul Malek,Malaysia	04:21	0
4	17-1-2010	STOP	03:27:34 PM	03:58:57 PM	Surau,Lorong Hj. Abdul Malek,Malaysia	00:31	0
5	17-1-2010	ACTIVE	03:58:57 PM	04:03:20 PM	Surau,Lorong Hj. Abdul Malek,Malaysia To Surau,Lorong Hj. Abdul Malek,Malaysia	00:04	0
6	17-1-2010	STOP	04:03:20 PM	04:06:05 PM	Surau,Lorong Hj. Abdul Malek,Malaysia	00:02	0
7	17-1-2010	ACTIVE	04:06:05 PM	06:08:15 PM	Surau,Lorong Hj. Abdul Malek,Malaysia To Pos Malaysia (mel & Querier),Jalan Klia S3,Malaysia	02:02	0
8	17-1-2010	STOP	06:08:15 PM	09:12:15 AM	Pos Malaysia (mel & Querier),Jalan Klia S3,Malaysia	15:04	0
						Total KM :	0

Powered : IDEE INFOCOM.

Some of Report Samples:

Speed Exception Report

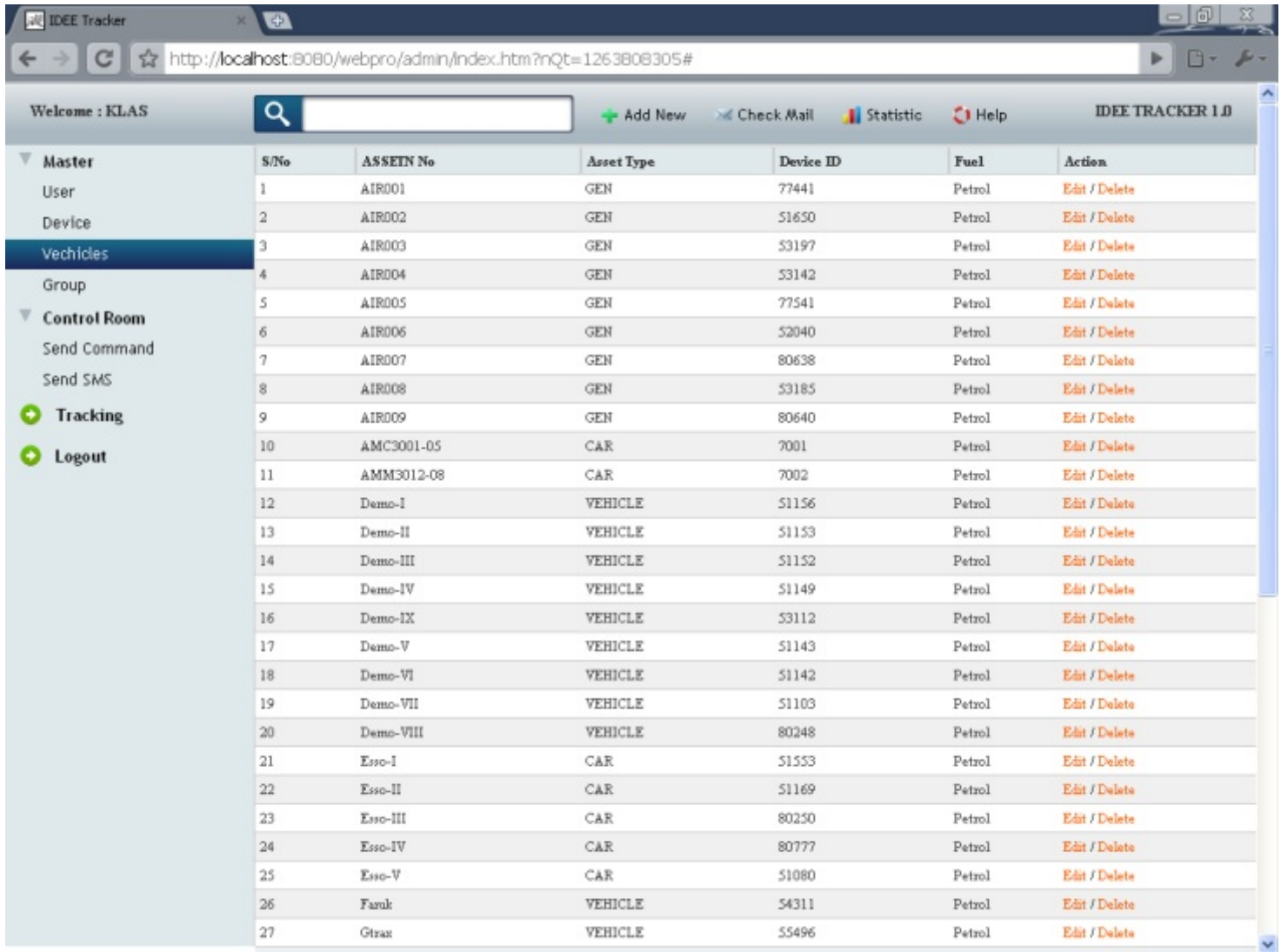
Vehicle No : AMM3012-08
Duration : 2010-01-17 00:00 TO 2010-01-17 23:59

IDEE INFOCOM Pte Ltd
SunTec City
Singapore
Report Date: 18th January 2010

SNo	Gps_datetime	Gps Coordinates [?]	Location	Speed
1	17-1-2010 05:01:04 PM	3.134112,101.59678 [?]	Kondo Bayu Puteri,Lebuhraya Baru Lembah Klang,Malaysia	81
2	17-1-2010 04:37:39 PM	3.354616,101.55356 [?]	Rawang Layby (s),Jalan Bunga Cempaka 2b,Malaysia	81
3	17-1-2010 04:30:31 PM	3.429744,101.546745 [?]	Bukit Beruntong l/c,Jalan Mawar 2,Malaysia	81
4	17-1-2010 04:28:29 PM	3.451212,101.54218 [?]	Apartment Mawar,Jalan Bunga Raya 2,Malaysia	81
5	17-1-2010 04:24:24 PM	3.495248,101.53157 [?]	Bt. Chegar,Malaysia	81
6	17-1-2010 04:19:19 PM	3.550447,101.518486 [?]	Malaysia	82
7	17-1-2010 03:07:04 PM	3.841674,101.407814 [?]	Masjid,Jalan Menteri,Malaysia	83
8	17-1-2010 03:06:04 PM	3.848485,101.39867 [?]	Sekolah Menengah Kebangsaan Datuk Zulkufli Muhamad,Road No 1,Malaysia	81
9	17-1-2010 02:58:56 PM	3.911246,101.3555 [?]	Road No 1,Malaysia	81
10	17-1-2010 02:54:52 PM	3.953109,101.33619 [?]	Sekolah Jenis Kebangsaan (t) Ladang Sungkai,Road No 1,Malaysia	82
11	17-1-2010 02:53:51 PM	3.965243,101.33817 [?]	Sekolah Jenis Kebangsaan (t) Ladang Sungkai,A 121,Malaysia	84
12	17-1-2010 02:49:47 PM	4.005434,101.31694 [?]	Bp,Road No 1,Malaysia	81
13	17-1-2010 02:43:41 PM	4.072309,101.302734 [?]	Malaysia	82
14	17-1-2010 02:38:35 PM	4.131049,101.30418 [?]	Hong Leong Bank,Jalan Muhibbah,Malaysia	81
15	17-1-2010 02:26:23 PM	4.216549,101.270096 [?]	Tapah l/c,Jalan Pahang,Malaysia	82
16	17-1-2010 02:21:18 PM	4.266115,101.24808 [?]	Sekolah Kebangsaan Chendering,A 119,Malaysia	81
17	17-1-2010 02:18:15 PM	4.302588,101.24867 [?]	Masjid,Malaysia	84
18	17-1-2010 01:59:57 PM	4.463548,101.17272 [?]	Kg. Jelintoh,Lebuhraya Utara - Selatan,Malaysia	82
19	17-1-2010 01:43:41 PM	4.618304,101.121666 [?]	Tesco,Lintasan Perajurit 16,Malaysia	81
20	17-1-2010 01:13:11 PM	4.764272,100.90251 [?]	Kuala Kangsar l/c,Lebuhraya Utara - Selatan,Malaysia	85
21	17-1-2010 01:11:09 PM	4.767308,100.879486 [?]	Masjid,Lebuhraya Utara-selatan,Malaysia	81
22	17-1-2010 12:52:52 PM	4.790927,100.69536 [?]	Kg. Perak,Lebuhraya Utara-selatan,Malaysia	82

Admin

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



The screenshot shows the IDEE Tracker Admin interface. The browser address bar displays 'http://localhost:8080/webpro/admin/Index.htm?nQt=1263808305#'. The page title is 'Welcome : KLAS'. The interface includes a search bar, 'Add New', 'Check Mail', 'Statistic', and 'Help' buttons. A sidebar menu on the left contains 'Master', 'Control Room', 'Tracking', and 'Logout'. The 'Master' section is expanded, showing a table of records. The table has columns for S/No, ASSEIN No, Asset Type, Device ID, Fuel, and Action. The 'Action' column contains 'Edit / Delete' links for each record.

S/No	ASSEIN No	Asset Type	Device ID	Fuel	Action
1	AIR001	GEN	77441	Petrol	Edit / Delete
2	AIR002	GEN	51650	Petrol	Edit / Delete
3	AIR003	GEN	53197	Petrol	Edit / Delete
4	AIR004	GEN	53142	Petrol	Edit / Delete
5	AIR005	GEN	77541	Petrol	Edit / Delete
6	AIR006	GEN	52040	Petrol	Edit / Delete
7	AIR007	GEN	80638	Petrol	Edit / Delete
8	AIR008	GEN	53185	Petrol	Edit / Delete
9	AIR009	GEN	80640	Petrol	Edit / Delete
10	AMC3001-05	CAR	7001	Petrol	Edit / Delete
11	AMM3012-08	CAR	7002	Petrol	Edit / Delete
12	Demo-I	VEHICLE	51156	Petrol	Edit / Delete
13	Demo-II	VEHICLE	51153	Petrol	Edit / Delete
14	Demo-III	VEHICLE	51152	Petrol	Edit / Delete
15	Demo-IV	VEHICLE	51149	Petrol	Edit / Delete
16	Demo-IX	VEHICLE	53112	Petrol	Edit / Delete
17	Demo-V	VEHICLE	51143	Petrol	Edit / Delete
18	Demo-VI	VEHICLE	51142	Petrol	Edit / Delete
19	Demo-VII	VEHICLE	51103	Petrol	Edit / Delete
20	Demo-VIII	VEHICLE	80248	Petrol	Edit / Delete
21	Esso-I	CAR	51553	Petrol	Edit / Delete
22	Esso-II	CAR	51169	Petrol	Edit / Delete
23	Esso-III	CAR	80250	Petrol	Edit / Delete
24	Esso-IV	CAR	80777	Petrol	Edit / Delete
25	Esso-V	CAR	51080	Petrol	Edit / Delete
26	Farak	VEHICLE	54311	Petrol	Edit / Delete
27	Gtraa	VEHICLE	55496	Petrol	Edit / Delete

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.



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AirTrak