



Fleet Management Systems

VtrackProTM
Professional Video Tracking

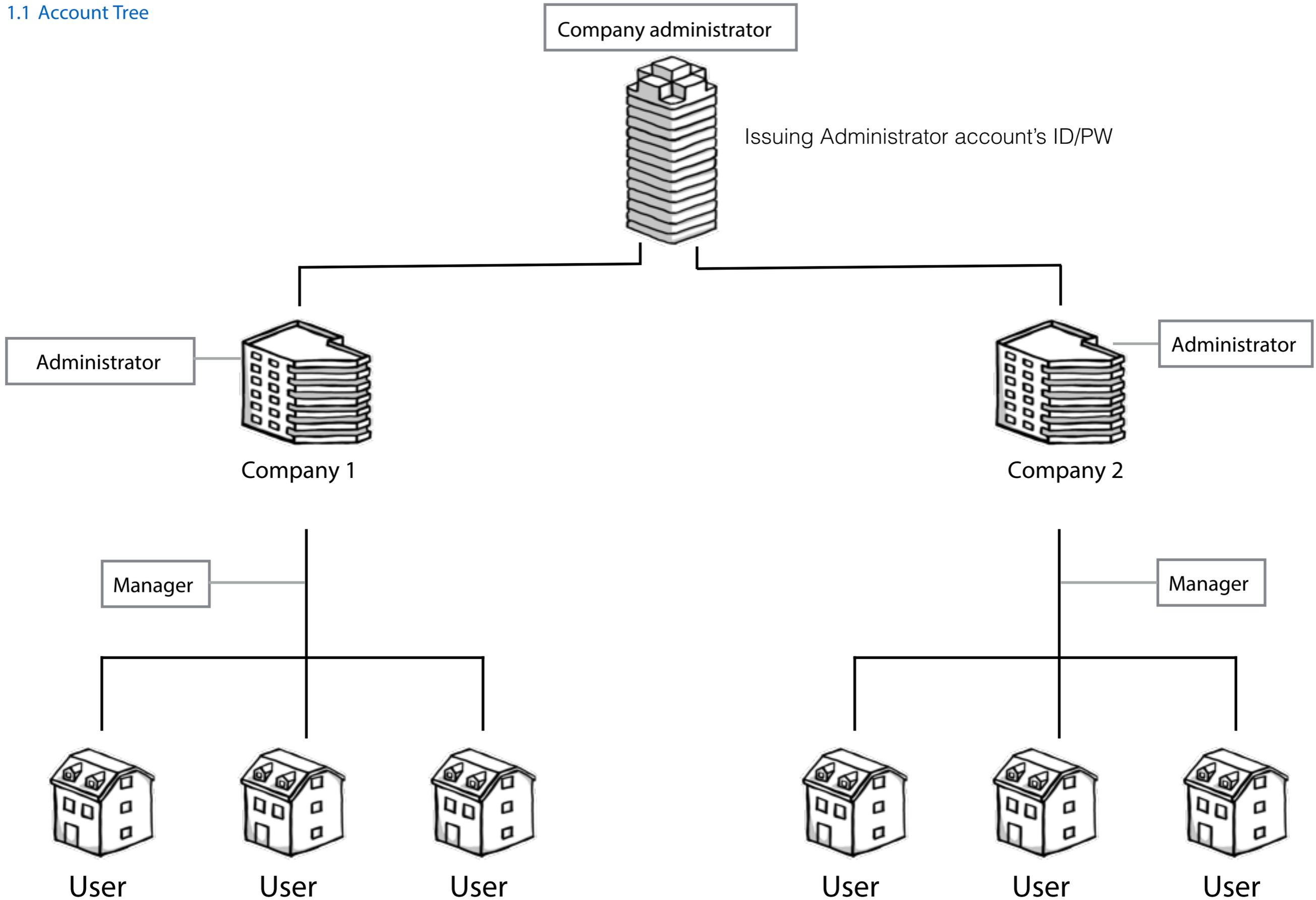
User Guide Rev.1.0.0



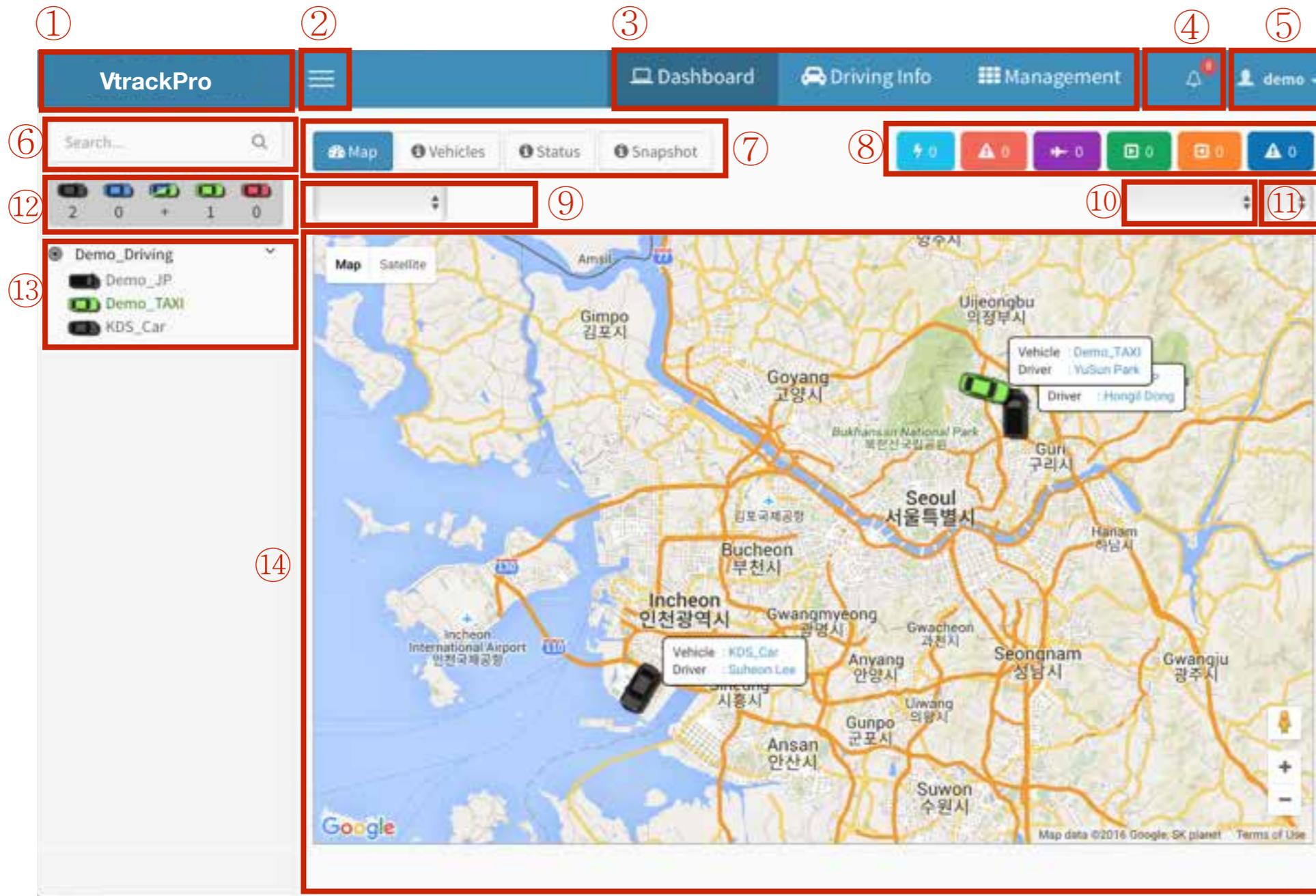
Index

1. Getting to know the VtrackPro FMS	
1.1 Account Tree	3
1.2 Menu location - Dashboard	4
1.3 Menu location - Management	5
2. General Settings	
2.1 Setting	6
2.2 Vehicle Manufacturer	8
2.3 Vehicle Type	9
2.4 Location Map	10
2.5 Company	11
2.6 Create user account (Admin page)	12
3. Driver Settings	
3.1 Create Driver Group	13
3.2 Register Driver	14
4. Vehicle Settings	
4.1 Create Vehicle Group	15
4.2 Register Vehicle - 1	16
4.2 Register Vehicle - 2	17
4.2 Register Vehicle - 3	18
5. Set GeoFence	
5.1 Setup GeoFence	19
5.2 Implement Vehicle	23
5.3 Remove GeoFence	26
6. Set Alarm Notification	
6.1 Setup Alarm Timing	27
7. Icons	
7.1 Icons	30
7.2 Live Menu - Vehicle	31
7.3 Live Menu - Device	32
7.4 Live Menu - Snapshot monitoring	33
8. Resume page	
8.1 Resume page	34

1.1 Account Tree



1.2 Menu location - Dashboard



Descriptions	
①	Company logo or name
②	Folder tap for right menu
③	Menu category
④	Notification alarm tap
⑤	log-in and out
⑥	Search box for vehicle and driver
⑦	Live monitoring menu
⑧	Today's event alarm as each case
⑨	Sort company's map
⑩	Sort vehicle group
⑪	Sort driver
⑫	Live state of vehicle engine & error
⑬	State of duty
⑭	Live map

1.3 Menu location - Management

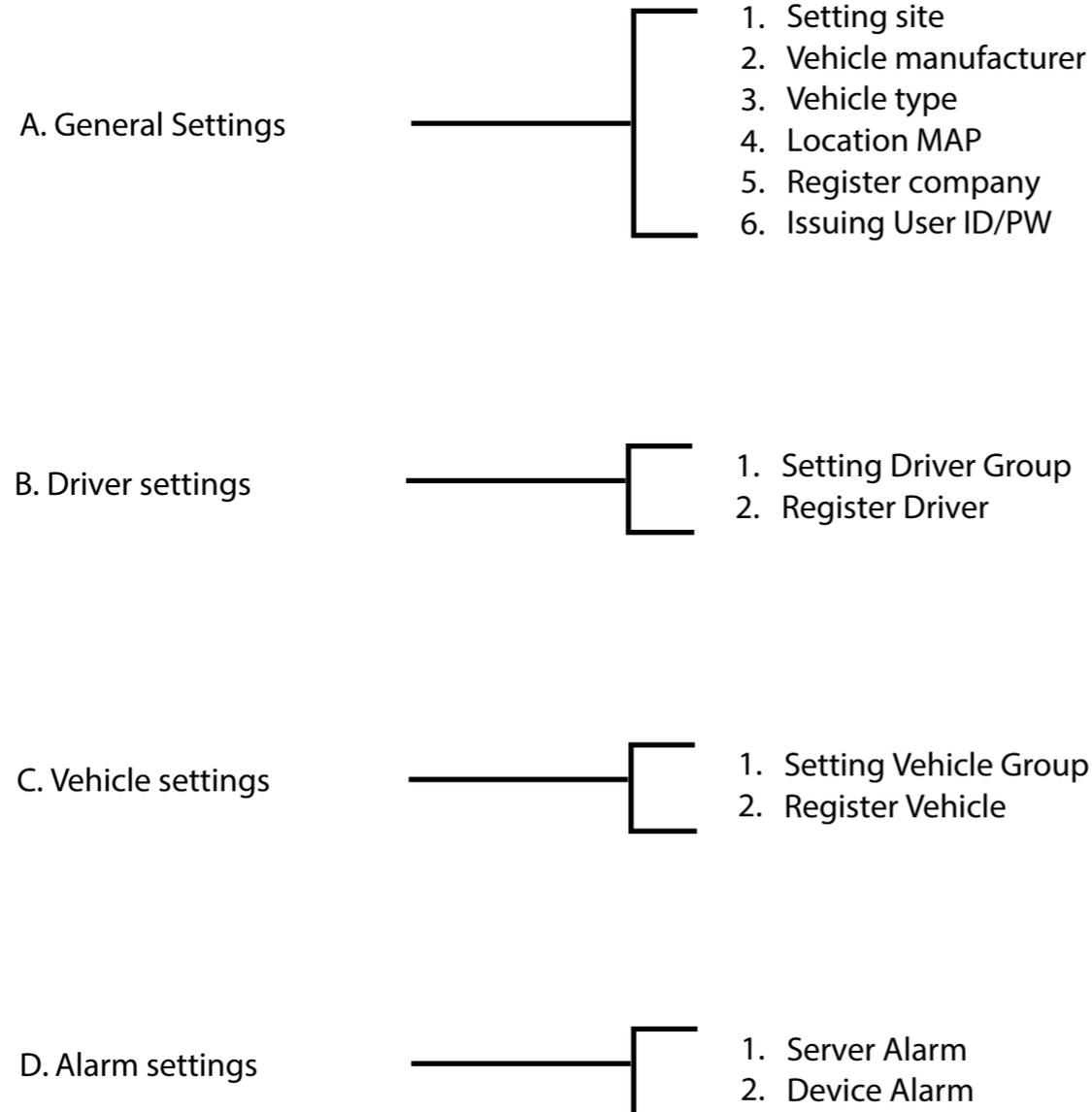
The screenshot shows the VtrackPro FMS interface. The top navigation bar includes 'VtrackPro', a menu icon, and tabs for 'Dashboard', 'Driving Info', and 'Management'. A user profile 'demo' is visible on the right. A left sidebar contains a search bar and a menu with categories like 'Company', 'User', 'Vehicle', 'Driver', and 'Management'. The main content area displays a 'Vehicle' page with a table of vehicle data and an 'Insert' button. Red boxes and numbers 1 through 7 highlight specific UI components: 1 (VtrackPro logo), 2 (menu icon), 3 (Management tab), 4 (left sidebar), 5 (Vehicle page title), 6 (main content area), and 7 (breadcrumb navigation).

Descriptions	
①	Company logo
②	Folder tap for right side menu
③	Menu category
④	Right side menu for detail
⑤	Current page name
⑥	Page contents
⑦	Page navigator

2.1 Setting

Management > Setting

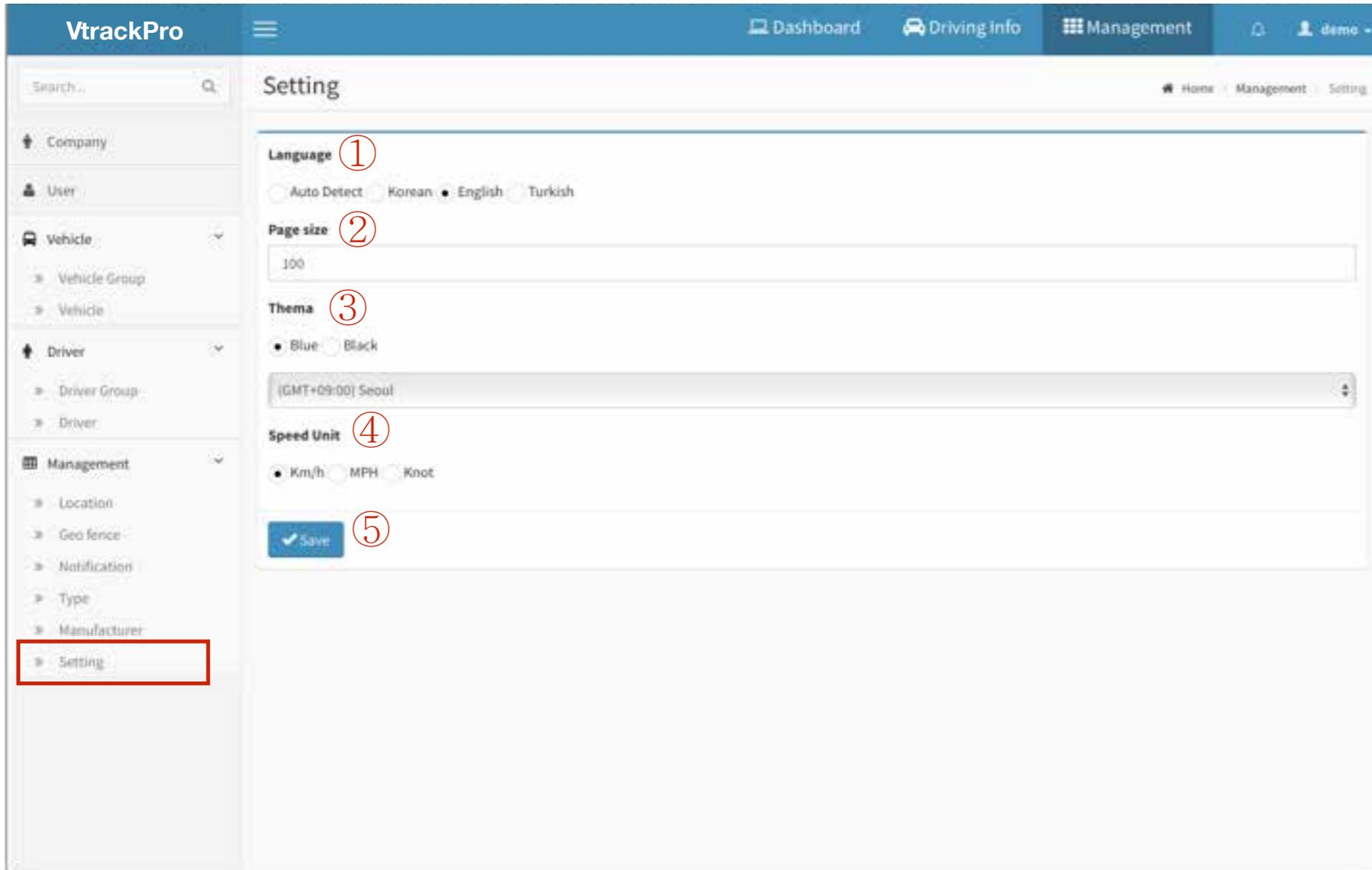
Please setup FMS site as below steps



2.1 Setting

Management > Setting

This setup stage is contain for GUI concept selection.



Step & Descriptions	
①	Select the language for GUI & MAP
②	Line for list on the pages Default value is '100'
③	Color of GUI
④	Select speed unit for desplay
⑤	Click to Save

2.4 Location MAP

Management > Location

1. Click to  for select MAP on Dashboard.
2. Enter address or street name to search box.

VtrackPro | Dashboard | Driving Info | Management | Home - Management

Search... | Location Info

Location Info

Name ①

Enter name

Map ② | Satellite | Seoul

Seoul South Korea
Seoul Station (Hangang-Station) Seoul, South Korea
Seoul Station Seoul, South Korea
Seoul National University Seoul, South Korea
seoul plaza

powered by Google

Map data ©2016 AirGIS (Pty) Ltd, Google, Inst. Geogr. National, Mapbox, OpenStreetMap, ORION-ME Terms of Use

③ **Position X**
Enter position X

④ **Position Y**
Enter position Y

⑤ **Radius**
Enter radius

⑥ **Availability**
 Valid Expire

⑦ **No.**
Enter order

⑧

Step & Descriptions	
①	Enter location name as like company
②	Enter address or street name and select location
③	Position X' will setup automatically.
④	Position Y' will setup automatically.
⑤	Radius is generally '100'
⑥	If this map location will not be used the select 'Expire'
⑦	Well-order number as like '1' or '2'
⑧	Click to save

2.5 Company

Management > Company >



1. This setup stage is contain for Company information.

The screenshot shows a web application interface for managing companies. On the left is a navigation menu with 'Company' highlighted. The main area contains a form with the following fields and steps:

- 1** Company Name: Input field containing 'DEMO V-Track'.
- 2** Company Number: Input field containing '001'.
- 3** Tel: Input field containing 'Enter tel'.
- 4** E-mail: Input field containing 'Enter email'.
- 5** Timezone: Dropdown menu showing '(GMT+09:00) Seoul'.
- 6** Speed Unit: Radio buttons for 'Km/h' (selected), 'MPH', and 'Knot'.
- 7** Photo: A grey placeholder box with 'Upload' and 'Delete' buttons below it.
- 8** Memo: A large text area containing 'Enter memo'.
- 9** Save: A blue button with a checkmark and the text 'Save'.

Step & Descriptions	
①	Enter company name
②	Enter well-order number
③	Enter telephone number
④	Enter E-mail address
⑤	Select to company time zone
⑥	Select to speed unit
⑦	Click to upload for company logo (220 x 50 pix)
⑧	Enter comments for company info.
⑨	Click to save

2.6 Create user account (Admin page)

Management > User >



1. This setup stage is contain for creating user account.

The screenshot shows the 'User' control panel in the VtrackPro system. The left sidebar contains a navigation menu with 'User' highlighted. The main form area contains the following fields and options, each annotated with a red circle and number:

- ① **User Name**: Text input field with placeholder 'Enter name'.
- ② **Login ID**: Text input field with placeholder 'Enter login ID'.
- ③ **Password**: Text input field with placeholder 'Enter password'.
- ④ **Tel.**: Text input field with placeholder 'Enter Tel.'.
- ⑤ **E-mail**: Text input field with placeholder 'Enter e-mail'.
- ⑥ **Timezone**: Dropdown menu showing '(GMT+09:00) Seoul'.
- ⑦ **Speed Unit**: Radio buttons for 'Km/h' (selected), 'MPH', and 'Knot'.
- ⑧ **Availability**: Radio buttons for 'Valid' (selected) and 'Expire'.
- ⑨ **Authority**: Radio buttons for 'User' (selected), 'Manager', and 'Administrator'.
- ⑩ **Save/Cancel**: Buttons at the bottom of the form.

Step & Descriptions	
①	Enter User name(ex. company)
②	Enter user ID for use
③	Enter password
④	Enter telephone number
⑤	Enter E-mail address
⑥	Select to user's time zone
⑦	Select to speed unit
⑧	If will not be used this user account then select to 'Expire'
⑨	Select right of access 1) User: unable to change and add. 2) Manager: able to add and change for vehicle and driver. 3) Admin: able to creating account.
⑩	Click to save

3.1 Create Driver Group

Management > Driver > Driver Group >



1. This setup stage is contain for creating Driver Group

Step & Descriptions	
①	Enter Driver group name
②	Enter comment
③	If will not be used this driver group then change to 'Expire' later on
④	Enter number for well-order list
⑤	Click to save

3.2 Register Driver

Management > Driver > Driver >

Insert

1. This setup stage is contain for resister driver

The screenshot shows the VtrackPro interface for registering a driver. The form is titled 'Driver' and is located under the 'Management' tab. The left sidebar shows a navigation menu with 'Driver' highlighted in a red box. The form fields are as follows:

- 1 Name:** A text input field labeled 'Enter name'.
- 2 No.:** A text input field labeled 'Enter number'.
- 3 Tel.:** A text input field labeled 'Enter Tel'.
- 4 Email:** A text input field labeled 'Enter e-mail'.
- 5 Photo:** A photo upload area with 'Upload' and 'Delete' buttons.
- 6 Comment:** A text area labeled 'Enter comment'.
- 7 Availability:** Radio buttons for 'Valid' and 'Expire'.
- 8 Driver Group:** A dropdown menu.
- 9 Save/Cancel:** Buttons at the bottom of the form.

Step & Descriptions	
①	Enter Driver name
②	Enter number for well-order list
③	Enter driver phone number
④	Enter driver email address
⑤	Select and upload picture of driver
⑥	Enter comments
⑦	If will not be used this driver name then change to 'Expire' later on
⑧	Select driver group
⑨	Click to save

4.1 Create Vehicle Group

Management > Vehicle > Vehicle Group >



1. This setup stage is contain for resister driver

The screenshot shows the 'Vehicle Group' creation form in the VtrackPro interface. The form includes the following fields and options:

- Name:** A text input field with a red circle 1 next to it.
- Descriptions:** A text input field with a red circle 2 next to it.
- Availability:** Radio buttons for 'Valid' (selected) and 'Expire' with a red circle 3 next to the section.
- Firmware:** A dropdown menu with a red circle 4 next to it.
- No.:** A text input field with a red circle 5 next to it.
- Buttons:** 'Save' and 'Cancel' buttons at the bottom with a red circle 6 next to the 'Save' button.

Step & Descriptions	
①	Enter the name of vehicle group
②	Enter the comments
③	If will not be used this vehicle group then change to 'Expire' later on
④	This article is for firmware version for update via OTA(over the air). Do not select any firmware list if not requirement. Upload firmware right is for 'Root administrator' only
⑤	Enter number for well-order list
⑥	Click to save

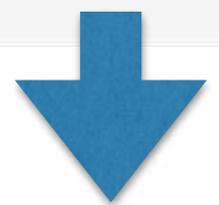
4.2 Register Vehicle -1

Management > Vehicle > Vehicle >



1. This setup stage is contain for resister vehicle and alarm rules

Step & Descriptions	
①	Enter the name of vehicle
②	Enter vehicle number plate
③	Enter product serial number(The serial number is on the drive recorder's name plate)
④	Enter model year
⑤	Upload picture of vehicle
⑥	Enter comments



Continue the scrolling

4.2 Register Vehicle -2

Management > Vehicle > Vehicle >



1. This setup stage is contain for resister vehicle and alarm rules

① **Transfer images**
 Shock Manual Emergency Overspeed Sudden Accel. Sudden Brake

② **Transfer VOD**
 Shock Manual Emergency Overspeed Sudden Accel. Sudden Brake

③ **Image transit channel** (This function is unable to use in 3 Channel mode)
 Front In-Cabin Front & In-Cabin

④ **Transmission cycle**
 0.5 Second

⑤ **Transfer snapshot interval**
 60 Second

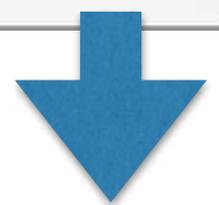
⑥ **Snapshot Size**
 Original 1024x576 853x480 640x360

⑦ **Snapshot Quality**
 0

⑧ **Snapshot Schedule**

Sunday	00	00	-	23	59			-		
Monday	00	00	-	23	59			-		
Tuesday	00	00	-	23	59			-		
Wednesday	00	00	-	23	59			-		
Thursday	00	00	-	23	59			-		
Friday	00	00	-	23	59			-		
Saturday	00	00	-	23	59			-		

Step & Descriptions	
①	Select case of transmitting snapshot as event type(This event rule is based on 'setup.cfg' from drive recorder.
②	Select case of transmitting video as event type(This event rule is based on 'setup.cfg' from drive recorder.
③	Select channel view of thumbnail at Event List. (It is able to select the thumbnail channel via PC manager when 3 Channel setup DR config file)
④	This item is DR communicate interval as like GPS,G-Sensor and state of Drive Recorder.
⑤	This item is selection interval about auto-transmitting snapshot.
⑥	Select snapshot size
⑦	Snapshot quality level.(between 0 to 100) , Default is '0'. If enter higher number as like 20 or 30 then snapshot size will greater.
⑧	Select auto-transmitting schedule for snapshot.



Continue the scrolling

4.2 Register Vehicle -3

Management > Vehicle > Vehicle >



1. This setup stage is contain for resister vehicle and alarm rules

① **Maintenance Reset**

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

② **File Server Type**

Local Server Dropbox

③ **Image Server Type**

Local Server Dropbox

④ **Availability**

Valid Expire

⑤ **Vehicle Group**

⑥ **Type**

⑦ **Manufacturer**

⑧ **Driver**

Step & Descriptions	
①	Maintenance Reset' means make rebooting drive recorder for maintenance. Setup time for Auto-rebooting drive recorder.
②	Select the storage for saving video & logs file which file has received from DR.
③	Select the storage for saving snapshot image which file has received from DR.
④	If this vehicle will not be used then select 'Expire' later on then will remove the vehicle name on vehicle list.
⑤	Select the vehicle group
⑥	Select the vehicle type
⑦	Select the vehicle manufacturer
⑧	Select the driver (If will not be selected the driver then it is unable to complete setup.

5.1 Setup GeoFence

Management > GeoFence >

Insert

1. This setup stage is contain for setup GeoFence zone

Step & Descriptions	
①	Enter the name of GeoFence
②	Select visibility geofence zone on the map
③	If will not be used geofence zone then select 'Expire' later on
④	Click to save and add the geofence list

5.1 Setup GeoFence

Management > GeoFence >



1. Click to Name of GeoFence for add area

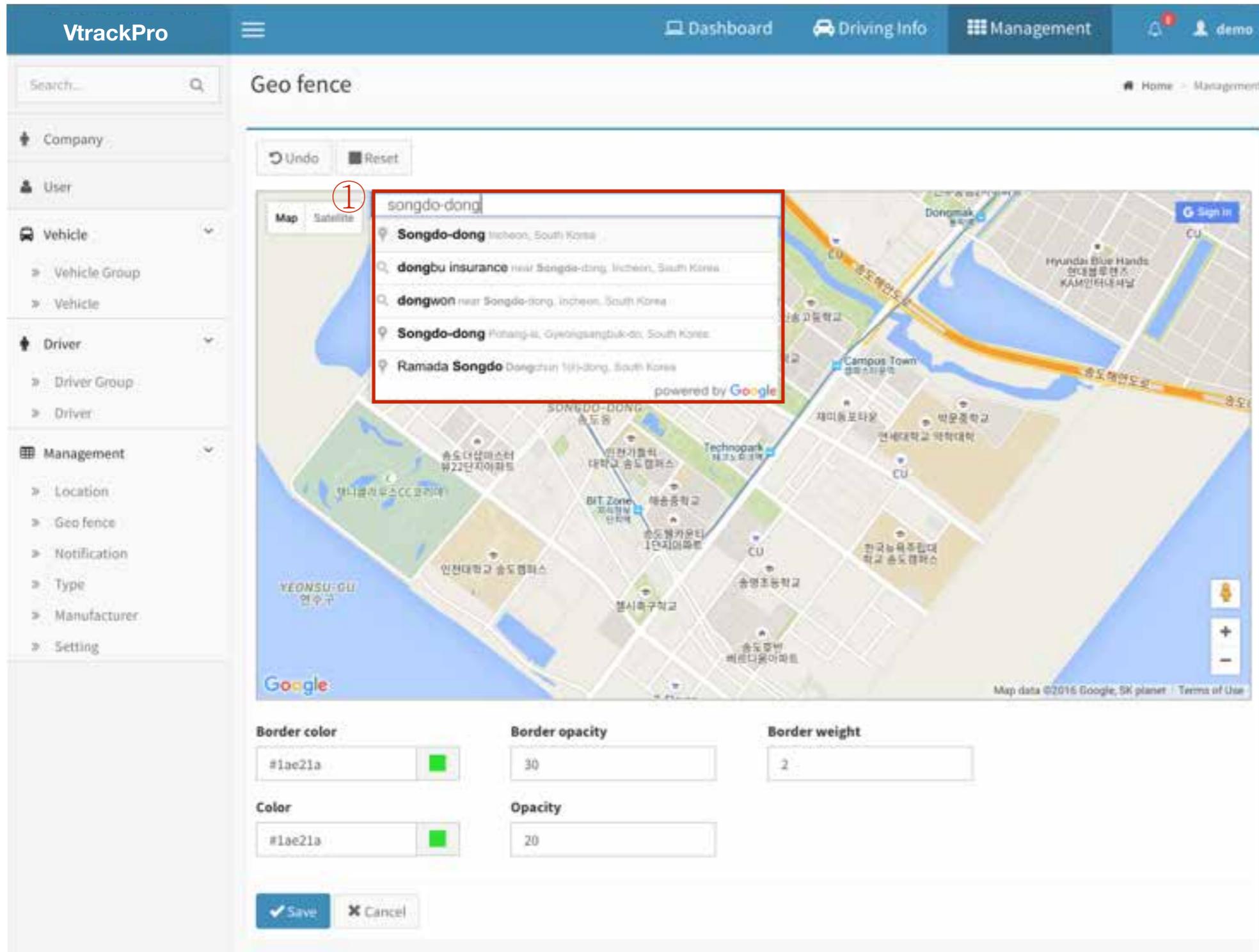
Step & Descriptions	
①	Click to the name list of GeoFence for add area.
②	Click to 'Add Geo fence area' for draw area

5.1 Setup GeoFence

Management > GeoFence >



1. Searching location for GeoFence area



Step & Descriptions	
①	Enter the location or address near target Geofence area

5.1 Setup GeoFence

Management > GeoFence >



1. Searching location for GeoFence area

Step & Descriptions	
①	Select to 'Border line' color
②	Enter the number of opacity for border color (1 upto 100 / Defaults is 30)
③	Enter border line's width(default is 2)
④	Select to area color
⑤	Enter the number of opacity for area color (1 upto 100 / Defaults is 30)
⑥	Undo key
⑦	Reset key
⑧	Click and drawing area
⑨	Click to save

5.2 Implement Vehicle

Management > GeoFence >

Insert

1. Implement GeoFence to target vehicle

Geo fence - Truck_Food

① **Out event**

③

Unselected list

Selected list

④

② **In event**

⑤

⑥

⑦

⑧

⑨ Save Cancel

Step & Descriptions	
①	GeoFence-OUT timing EVENT
②	GeoFence-IN timing EVENT
③	Select vehicle (if need to select multi-vehicle then enter-hold 'Shift' and click the vehicle)
④	Add the vehicle to 'Selected vehicle' list
⑤	Add all the vehicle to Selected list
⑥	Add the vehicle to 'Selected vehicle' list
⑦	Remove selected vehicle from GeoFence selected list
⑧	Remove all the vehicle from GeoFence selected list
⑨	Click to save

5.2 Implement Vehicle

Management > GeoFence >

Insert

1. Implement GeoFence to target vehicle

Geo fence - Truck_Food

① **Out event**

③

Unselected list

Selected list

④

② **In event**

⑤

⑥

⑦

⑧

⑨ Save Cancel

Step & Descriptions	
①	GeoFence-OUT timing EVENT
②	GeoFence-IN timing EVENT
③	Select vehicle (if need to select multi-vehicle then enter-hold 'Shift' and click the vehicle)
④	Add the vehicle to 'Selected vehicle' list
⑤	Add all the vehicle to Selected list
⑥	Add the vehicle to 'Selected vehicle' list
⑦	Remove selected vehicle from GeoFence selected list
⑧	Remove all the vehicle from GeoFence selected list
⑨	Click to save

5.3 Remove GeoFence

Management > GeoFence >



1. Remove GeoFence

The screenshot shows the VtrackPro web interface. On the left, a sidebar menu lists 'Geo fence' under 'Management'. The main content area shows a list of GeoFences with 'Truck_Food' (ID 23) highlighted. A red box and a circled '1' indicate clicking this entry. A callout bubble says 'Click'. Below the list, a map shows a blue polygon representing the GeoFence area in New York. A circled '2' points to the map area. Below the map, there are buttons for 'Add Geo fence area' and 'Remove Geo fence area'. A circled '3' points to the 'Remove Geo fence area' button. Below these buttons, the details for the selected GeoFence are shown: Visibility: Show, Availability: Valid, Date: 2016-01-08 01:40:07. At the bottom, there are buttons for 'List', 'Modify', and 'Delete'. A dialog box is open at the bottom right, titled 'From "http://www.v-track.co.kr": Delete', with 'Cancel' and 'OK' buttons. A circled '4' points to the 'OK' button.

Step & Descriptions	
①	Click to the list of GeoFence
②	Click to area
③	Click to 'Remove GeoFence area'
④	Click to 'OK' for confirm

6.1 Setup Alarm Timing

Management > Notification >



1. Setup Alarm Notification

Step & Descriptions	
①	Enter the name of notification case
②	Setup operating 1st alarm timing
③	Setup operating 2nd alarm timing
④	Select GeoFence if required. If selected the alarm zone then the alarm will be notified when the vehicle located in the area only
⑤	Select alarm rule for inside or outside area vehicle case.
⑥	Select alarm rule as each even case
⑦	the number '0' is default value for not use any notification. If the vehicle over-ride from each value then will be occurred alarm notification.

* Speed unit is change automatically as maintenance setting value



Continue the scrolling

6.1 Setup Alarm Timing

Management > Notification >



1. Setup Alarm Notification

① Event Historys

<input type="checkbox"/> Snapshot	<input type="checkbox"/> Motion Detect	<input type="checkbox"/> Sleep Mode On	<input type="checkbox"/> Sleep Mode Off
<input type="checkbox"/> GPS On	<input type="checkbox"/> GPS Off	<input type="checkbox"/> GPS Error	<input type="checkbox"/> ACC On
<input type="checkbox"/> ACC Off	<input type="checkbox"/> Reverse Gear On	<input type="checkbox"/> Reverse Gear Off	<input checked="" type="checkbox"/> System Error
<input checked="" type="checkbox"/> Primary SD Error	<input checked="" type="checkbox"/> Secondary SD Error	<input checked="" type="checkbox"/> Power Cut Voltage	<input checked="" type="checkbox"/> Power Cut Timer
<input checked="" type="checkbox"/> DC Jack Unplugged	<input checked="" type="checkbox"/> Remote Recoding Stop	<input checked="" type="checkbox"/> Remote Recoding Start	<input checked="" type="checkbox"/> Remote Reboot

② IR LED Blink

Second

③ Geo fence Event

Truck_Food **④**



Continue the scrolling

Step & Descriptions	
①	Select alarm notification rule(case)
②	Enter the seconds for 'Covering time to 'In-Cabin lens' limit.
③	Select GeoFencing Event notification
④	(IN / OUT / IN & NOT) If not require this alarm notification then do not select anything.

6.1 Setup Alarm Timing

Management > Notification >



1. Setup Alarm Notification

Vehicle

① KDS_Car
Demo_TAXI
Demo_JP

②

»
>
<
«

③ **Send Image & Event**
 Not use Image Event (Except for DR events)

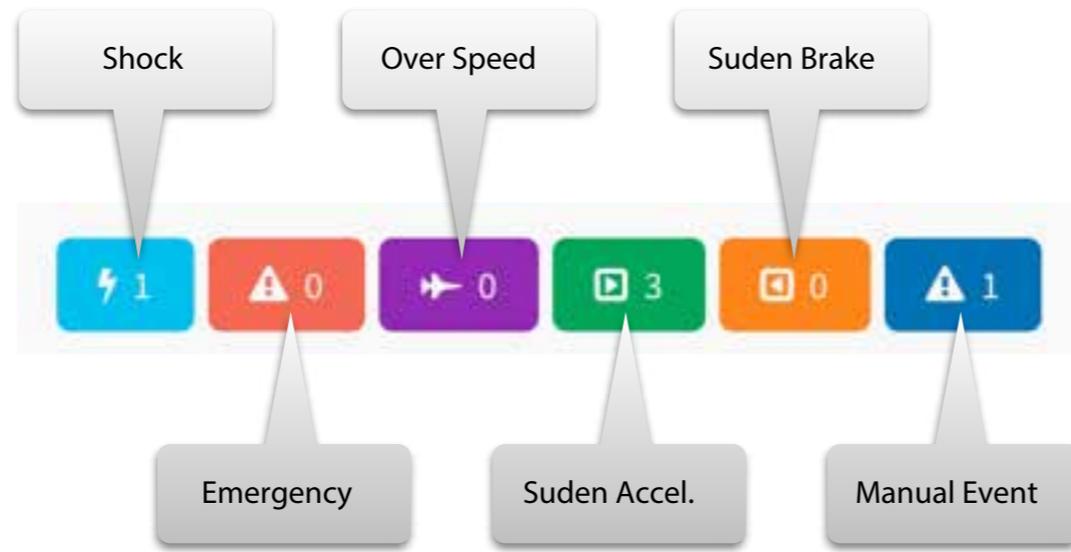
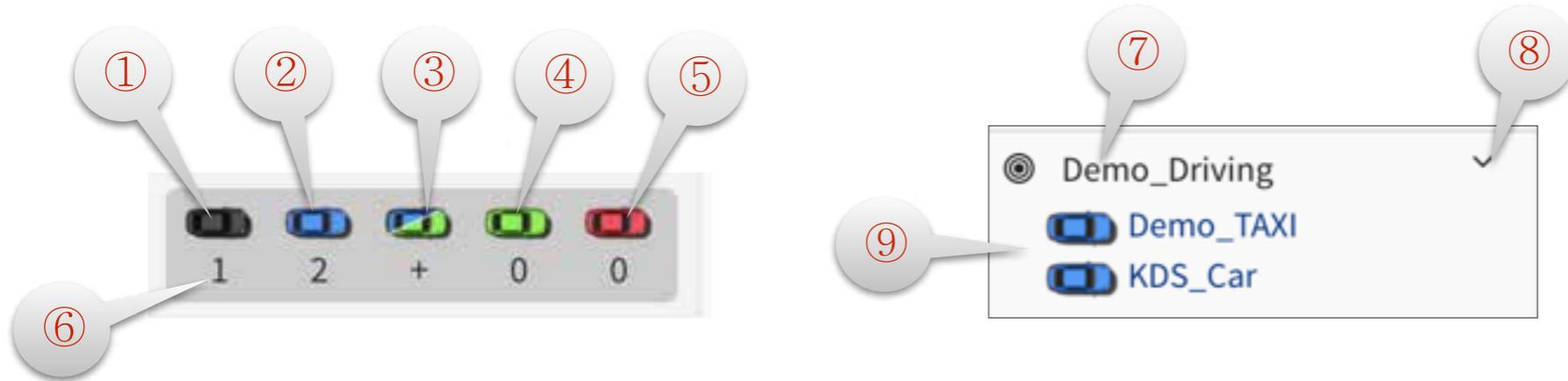
④ **Availability**
 Use Not use

⑤

Step & Descriptions	
①	Vehicle List
②	Impelement vehicle list
③	Notification contants item 1) Not use: Text only 2) Image: Snapshot only 3) Event: Snapshot & Video file
④	If this notification rules will not use then select 'Not use' later on.
⑤	Click to Save

7.1 Icon

Dashboard



Step & Descriptions	
①	Network OFF state vehicle
②	Network ON state vehicle
③	Network ON and Sleep mode vehicle
④	Entered sleep mode vehicle
⑤	System Error vehicle
⑥	Number of Vehicle at that case
⑦	Vehicle Group
⑧	Folder tap for Group
⑨	Group Vehicle list

7.2 Live Menu - Vehicle

Dashboard

The dashboard interface includes a top navigation bar with 'Dashboard', 'Driving Info', and 'Management' tabs. Below this is a secondary bar with 'Map', 'Vehicles', 'Status', and 'Snapshot' buttons. A row of colored status indicators (lightning bolt, warning, arrow, camera, and alarm) is positioned above a table. The table contains three rows of vehicle data. A red callout bubble with the number 1 points to the 'Vehicles' button. Red circles with numbers 2 through 11 are placed above the table headers and data cells to identify specific elements.

ID	Vehicle Name	Driver Name	Distance	Overspeed	Idling	Sudden Accel.	Sudden Brake	Status	Resume
3121	Demo_JP	Hongil Dong	0.00 Km	00:00	00:00	0	0		Resume
13830	Demo_TAXI	YuSun Park	77.38 Km	00:00	21:24	76	8		Resume
13859	KDS_Car	Suheon Lee	0.00 Km	00:00	00:24	0	0		Resume

Step & Descriptions	
①	Vehicle state
②	Current Driving ID
③	Vehicle Name
④	Driver Name
⑤	Milage
⑥	Overspeed driving count
⑦	Idling time (MM:SS)
⑧	Sudden Accel. count
⑨	Sudden Brake count
⑩	Network state
⑪	Go to vehicle monitering

7.3 Live Menu - Device

Dashboard

The screenshot shows the VtrackPro dashboard interface. At the top, there is a navigation bar with 'VtrackPro' on the left, a menu icon, and tabs for 'Dashboard', 'Driving Info', and 'Management'. Below the navigation bar, there are buttons for 'Map', 'Vehicles', 'Status', and 'Snapshot'. A red callout bubble with the number 1 points to the 'Status' button. Below these buttons, there are several status indicators: a lightning bolt with '1', a triangle with '0', a plus sign with '0', a square with '3', a square with '1', and a triangle with '1'. The main content is a table with 13 columns and 3 rows of data. The columns are labeled: ID, Vehicle Name, Driver Name, Engine, Network, GPS, Reverse Gear, IR LED, Sleep, SD 1, SD 2, Status, and Resume. The rows contain data for three vehicles: 3121 (Demo_JP, Hongil Dong), 13830 (Demo_TAXI, YuSun Park), and 13860 (KDS_Car, Suheon Lee). Red callout bubbles with numbers 2 through 13 point to each column header in the table.

② ID	③ Vehicle Name	④ Driver Name	⑤ Engine	⑥ Network	⑦ GPS	⑧ Reverse Gear	⑨ IR LED	⑩ Sleep	⑪ SD 1	⑪ SD 2	⑫ Status	⑬ Resume
3121	Demo_JP	Hongil Dong	OFF	OFF	OFF	OFF	OFF	OFF				Resume
13830	Demo_TAXI	YuSun Park	ON	ON	Error	OFF	ON	OFF	ON			Resume
13860	KDS_Car	Suheon Lee	ON	ON	ON	OFF	OFF	OFF	ON			Resume

Step & Descriptions	
①	Device state
②	Current Driving ID
③	Vehicle Name
④	Driver Name
⑤	ACC state
⑥	Network state
⑦	GPS state
⑧	Reverse gear state
⑨	In-Cabin IR state
⑩	Sleep mode state
⑪	Primary SD card state
⑫	Driving state
⑬	Go to Live monitoring

8.1 Resume page

Dashboard > Click to vehicle

Resume Vehicle name / Driver name

① Live Streaming ② Remote ③ View setup.cfg

④ Resume ⑤ Info ⑥ Drive Tracking ⑦ Event History ⑧ Snapshots ⑨ Event VOD ⑩ Logs

Event + Snapshot Event Snapshot History

30 Dec. 2015

System On 20:43:06

30 Dec. 2015

Engine Network GPS Rear IR Led Sleep SD Card Channel SYSTEM

Driving Time	19:11:05	Speed	15.09 Km/H	G-Sensor X	0.68750000
Distance	183.97 Km	Latitude	-36.5894960	G-Sensor Y	0.00000000
Overspeed	00:00	Longitude	174.4762290	G-Sensor Z	0.62500000
Idling	59:16	Direction	207.19	G-Sensor Sum	0.92912930

⑩ DR

Step & Descriptions	
①	Live Steaming pop-up TAP
②	Remote connect to vehicle SD card
③	Check setup configuration device
④	Vehicle Info(Serial number & F/W version check)
⑤	Drive tracking from history
⑥	Event History
⑦	Auto-snapshot
⑧	Event video file
⑨	Logs file
⑩	Device LED state mirror