



PAT TECHNIK

System Advantages

24/7 server monitoring by Amazon, authorized Google business license



- **Hosting by the biggest cloud server supplier, Amazon, WEB-201 GPS tracking platform is highly reliable and secure.**
- **Map data is authorized by the biggest map supplier, Google.**
- **Real-time and breadcrumb trail views**
- **Comprehensive trip and geo-fence reports**
- **Multiple geo-fence areas and groups**
- **Configurable e-mail notifications for alert events**
- **Manage all user accounts, tracking devices and user viewing options from administrator platform**
- **Flexibility to modify both hardware and WEB-201 platform to meet project requirements.**



USER INTERFACE

Map View

Real-time view of all vehicles/equipment/asset

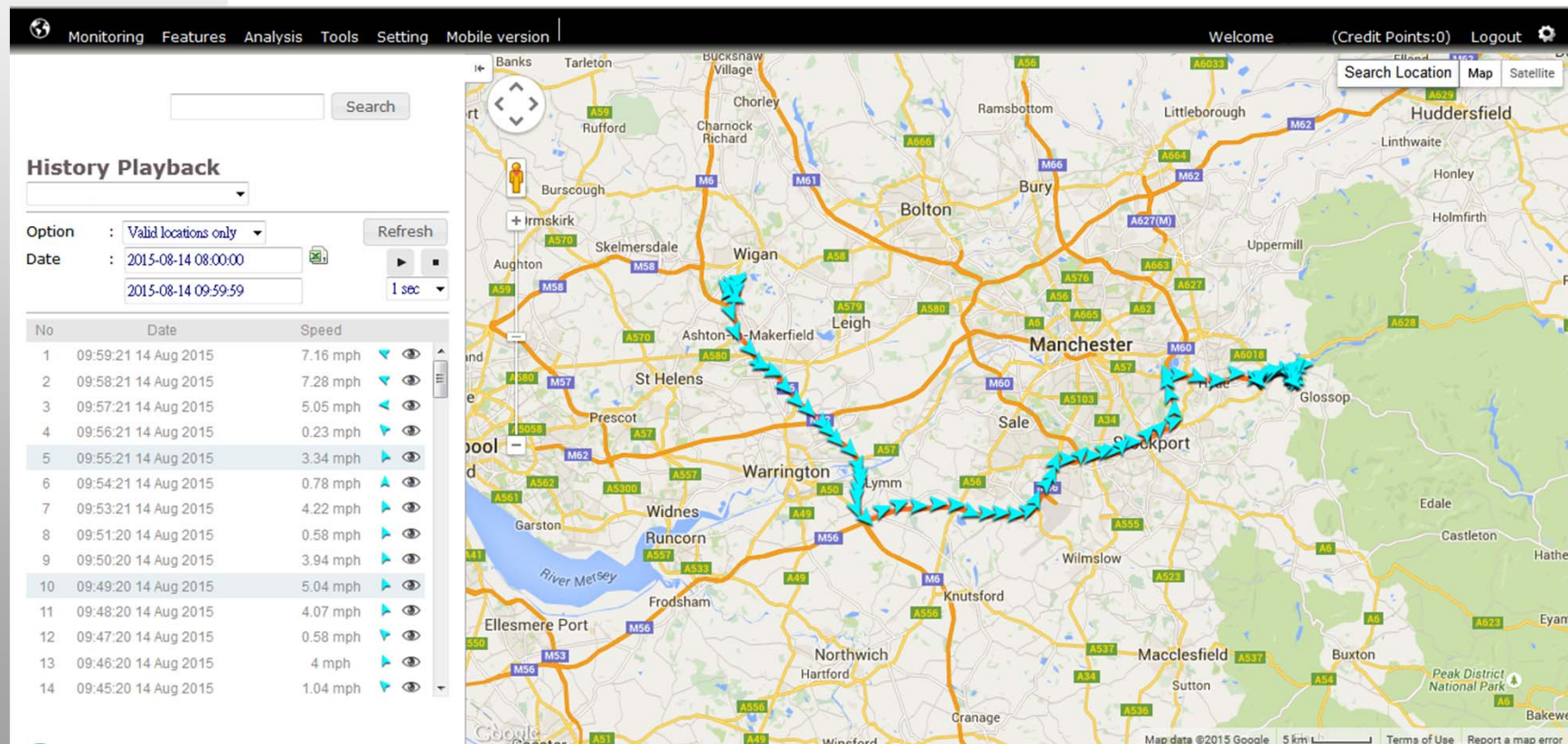
The screenshot displays a web-based 'Map View' interface for monitoring vehicles in the United Kingdom. The interface includes a top navigation bar with links for Monitoring, Features, Analysis, Tools, Setting, and Mobile version. A search bar is located in the top right corner. The main map area shows the United Kingdom with various cities and roads labeled. Several vehicles are marked on the map with colored icons and labels: T16 (green), T22 (red), T10 (green), T25 (red), and T8 (red). A sidebar on the left lists the vehicles with checkboxes and icons for each. Blue callout boxes with arrows point to specific features in the sidebar:

- Short cut**: Points to the 'T' icon in the vehicle list.
- Vehicle status**: Points to the status icons (STOP, GO, etc.) in the vehicle list.
- Show/hide vehicle**: Points to the checkbox in the vehicle list.
- Target vehicle**: Points to the vehicle icon in the vehicle list.
- Show/hide geo-fenced areas**: Points to the target icon in the vehicle list.

The bottom of the interface has buttons for Data Log, Alert Message, and Alert History. The map data is attributed to GeoBasis-DE/BKG (©2009), Google, and includes a 50 km scale bar.

History Playback

Playback breadcrumb trail of the selected vehicle



Geo-fence - 1

E-mail notifications and reports of in/out events

Monitoring Features Analysis Tools Setting Mobile version | Welcome demo

Geo-fence

Forward Alert

Bills

Function Configuration via GPRS

Bulletin Board

Name Farm yard Circle

Radius 51 Yards

Vehicles/User Position

Geo-fence Configuration

Vehicle Out

☒ Outline Only

- Outline Color

Vehicle In

☒ Outline Only

- Outline Color

Alarm Setting

Parameters [car] = The vehicle/user name
[speed] = The vehicle/user current speed
[course] = The vehicle/user current course
[location] = The vehicle/user current location
[date] = Event Date
[event] = Current Event Name

In

Email Switch ☒

Email

Edit outline and area colours

Activate e-mail notifications

Geo-fence - 2

Monitoring Features Analysis Tools Setting Mobile version

Search

Geo-fence

154

Geo-fence Add Geo-fence Group Unit Setting

Graham 1 [Settings] [Edit] [Delete]

- Work Place
- Work Place
- Farm yard
- Yard 1

Add

Group multiple geo-fenced areas and assign to vehicles all at once

Gravesend
Longfield
Hartley
Cobham
Meopham
Cuxton
Halling
Snodland
Wrotham
West Malling
Ditton

Geo-fence - 3

The screenshot shows a web application interface for generating geo-fence reports. On the left is a 'Map View' sidebar with a list of vehicles: T4, T20, T16, T10, T25, T22, and T8, each with a checkmark and a location pin icon. The main panel is titled 'Geo-fence Report' and contains two sections: 'Geo-fence Report Vehicle/Equipment' and 'Geo-fence Report Geo-fence Group'. The first section has a 'Report Type' dropdown set to 'Enter', a 'Select Vehicle/User' dropdown set to 'T10', and two rows of date pickers for 'Geo-fence Group Report' and 'Geo-fence Report' (both spanning 2015-07-20 to 2015-08-19), each with a 'Generate' button. The second section has a 'Select Geo-fence Group' dropdown, similar date pickers, and a 'Generate' button. Below these is a 'Geo-fence' section with checkboxes for 'Yard 1' (checked) and 'Yard 2'. Two blue callout boxes with arrows point to the 'Generate' buttons: one for the vehicle report and one for the group report.

Monitoring Features Analysis Tools Setting Mobile version | Welcome (Credit Point)

Geo-fence Report

Report Type : **Enter**

Geo-fence Report Vehicle/Equipment

Select Vehicle/User : **T10**

Geo-fence Group Report 2015-07-20 ~ 2015-08-19 **Generate**

Geo-fence Report 2015-07-20 ~ 2015-08-19 **Generate**

Geo-fence Report Geo-fence Group

Select Geo-fence Group :

Geo-fence Group Report 2015-07-20 ~ 2015-08-19 **Generate**

Geo-fence Report 2015-07-20 ~ 2015-08-19

Geo-fence :

☒ Yard 1 ☐ Yard 2

Generate the report for 1 vehicle

Generate the report for 1 particular geo-fenced area or group

Geo-fence - 4

Geo-fence Report

Geo-fence : Geo Fence
Group
Geo-fence : Yard 1
Date : 2015-08-10 ~ 2015-08-14

Raw data :  

Print
Mode :  

Print, or
export to PDF
or CSV files

No	Geo-fence	Vehicle/User	Enter	Leave	Duration
1	Yard 1	T22	13:14:41 07 Aug 2015	06:16:45 10 Aug 2015	2Day 17:02:04
2	Yard 1	T10	16:53:51 07 Aug 2015	06:31:26 10 Aug 2015	2Day 13:37:35
3	Yard 1	T16	12:45:37 09 Aug 2015	05:53:48 10 Aug 2015	17:08:11
4	Yard 1	T25	16:42:55 10 Aug 2015	05:51:53 11 Aug 2015	13:08:58
5	Yard 1	T20	19:17:04 10 Aug 2015	05:25:51 11 Aug 2015	10:08:47
6	Yard 1	T4	15:07:55 11 Aug 2015	15:21:43 11 Aug 2015	00:13:48
7	Yard 1	T20	14:41:33 12 Aug 2015	05:56:00 13 Aug 2015	15:14:27
8	Yard 1	T22	15:08:12 12 Aug 2015	15:33:45 12 Aug 2015	00:25:33
9	Yard 1	T25	06:22:28 13 Aug 2015	06:43:05 13 Aug 2015	00:20:37
10	Yard 1	T22	14:10:45 13 Aug 2015	12:32:59 17 Aug 2015	3Day 22:22:14
11	Yard 1	T10	15:15:42 14 Aug 2015	05:40:22 17 Aug 2015	2Day 14:24:40
12	Yard 1	T20	15:54:02 14 Aug 2015	12:37:00 18 Aug 2015	3Day 20:42:58
13	Yard 1	T16	16:00:21 14 Aug 2015	16:07:34 14 Aug 2015	00:07:13
14	Yard 1	T16	16:08:07 14 Aug 2015	08:05:30 15 Aug 2015	15:57:23

Vehicles drove in/out
yard 1 in the selected
time duration

Location Search

Search location and find the nearest vehicle

The screenshot displays a vehicle monitoring software interface. At the top, there is a navigation bar with tabs: Monitoring, Features, Analysis, Tools, Setting, and Mobile version. A dropdown menu is open under the 'Tools' tab, showing options for 'Search Location' and 'Personalized page'. On the left, a 'Map View' panel lists several vehicle IDs (T4, T20, T16, T10, T25, T22, T8) with checkboxes and status icons. The main area features a map of the United Kingdom. A search window titled 'Search Location' is open, showing the search term 'Birmingham B1 1RS' and a 'Search' button. Below the search window, a table lists nearby vehicles, sorted by distance. A blue callout box points to the table with the text: 'All vehicles are sorted by distance to the searched location.'

Vehicle/User	Date	Distance (miles)
T25	12:46:41 19 Aug 2015	6.77
T4	12:14:59 19 Aug 2015	8.00
T20	11:13:10 19 Aug 2015	8.00
T8	12:47:24 19 Aug 2015	15.59
T22	12:47:18 19 Aug 2015	61.87
T10	12:47:07 19 Aug 2015	88.25
T16	12:47:24 19 Aug 2015	163.13

[Remove Location Marker](#)

Alert Events

View alerts and when/where they occurred

Alert buttons flash when there are alerts

Click on the alert button, the location and details pop up on the map.

Monitoring Features Analysis Tools Setting Mobile version

Welcome (Credit Points:0) Logout

Search Location Map Satellite

Map View

- ☐ Skoda Sup
- ☒ VW Passat Est VX6
- ☒ VW Transporter VE6
- ☒ Mercedes Vito VA1
- ☒ VW Transporter VA1
- ☐ VW Transporter VK
- ☐ VW Transporter VK6
- ☐ VW Transporter VE1
- ☒ Land Rover Defender VO

Data Log Alert Message Alert History

Mercedes Vito VA12 JYN
13:27:15 12 Jan 2015 Speeding M42, United Kingdom New Reset Process

Forward Alert Events by E-mail

Fleet managers are always informed immediately

Monitoring Features Analysis Tools Setting Mobile version | Welcome (Credit Points:0) Logout

Search

Map View 23

Map Satellite

Forward Alert

Select Vehicle/User : T10

Speeding (Last Trigger: 20:18:32 15 Jul 2015)

Interval (Minutes): (0 = send once until status changed)

Email Content

Name: [car]
Speed: [speed]
Direction: [course]

Parameters

[car] = The vehicle/user name
[speed] = The vehicle/user current speed
[course] = The vehicle/user current course
[location] = The vehicle/user current location
[date] = Event Date
[event] = Current Event Name

☐ Email Switch

Email: - +

Submit

Send e-mails every X mins until event disappear .

Edit your own alert e-mail content.

Send to 1 or multiple e-mail accounts.

Request Current Location & Configure Tracking System

Monit

Map Vi

☒

A

↓

☒ GJ5

☒ GJ5

☒ YK6

☒ LJ63

Function Configuration via GPRS

Select Vehicle/User :

Idle interval	<div>1min.</div>	Change Interval
Request Current Location and Extend Information		Send request
Tracking interval	<div>1 min.</div>	Change interval
Vehicle travel speed limit(Mph)	Speed(Mph): <div></div> Delay time (sec): <div></div>	Send

Standby List

21

Mode	Description	Set Time	Send Time	Status	Action
There is no available record					

Processed List

Mode	Description	Set Time	Send Time	Confirm Time	Status
There is no available record (2015-07-19 11:58:35 ~ 2015-08-19 11:58:35)					
more...					

Schedule All Outgoing E-mails

Schedule event and geo-fence alert e-mails

Monitoring Features Analysis Tools Setting Mobile version

Search

Map View 36

Map View

21

T4

T20

T16

T10

T25

T22

T8

Outgoing Message Schedule

Name : Working Days

Vehicle ☒ : ☒ T10 ☒ T16 ☒ T20 ☒ T22
☒ T25 ☒ T4 ☒ T8

Day	Begin	End	Begin	End	Begin	End
Sunday	-- --	-- --	-- --	-- --	-- --	-- --
Monday	07 00	12 00	12 00	18 00	18 00	18 00
Tuesday	07 00	12 00	12 00	18 00	18 00	18 00
Wednesday	07 00	12 00	12 00	18 00	18 00	18 00
Thursday	07 00	12 00	12 00	18 00	18 00	18 00
Friday	07 00	12 00	12 00	18 00	18 00	18 00
Saturday	-- --	-- --	-- --	-- --	-- --	-- --

Cancel Save

Settings for receiving alert e-mails from 7 am to 6 pm during working days

Set Working Hours

Only show locations during working hrs

Calculate on-duty and off duty mileage separately

The screenshot displays a web application interface with a 'Working Hours Setting' dialog box. The dialog box has a title bar with a close button. Below the title bar, there are two buttons: 'Add' and 'Overtime'. To the right of these buttons is a button labeled 'Assign to Vehicle/User'. The main content of the dialog is a table with three columns: 'schedule', 'Setting', and 'Edit Options'.

schedule	Setting	Edit Options
Working hours all vehicles	<p>Sunday : Monday : 0700 ~ 1200 1200 ~ 1900</p> <p>Tuesday : 0700 ~ 1200 Wednesday : 0700 ~ 1200 1200 ~ 1900 1200 ~ 1900</p> <p>Thursday : 0700 ~ 1200 Friday : 0700 ~ 1200 1200 ~ 1900 1200 ~ 1900</p> <p>Saturday :</p>	<p>Edit</p> <p>Copy</p> <p>Delete</p>

The background of the application shows a map of Europe with various cities labeled, including Amsterdam, Antwerp, Brussels, Cologne, Dortmund, Essen, Frankfurt, Hanover, Hamburg, Mannheim, and Munich. The map is titled 'Map View' and has a search bar labeled 'Search Location'.


Reports

The screenshot displays a fleet management software interface. At the top, a navigation bar includes tabs for Monitoring, Features, Analysis, Tools, Setting, and Mobile version. The 'Analysis' tab is currently selected. On the right side of the navigation bar, there is a 'Welcome' message, a '(Credit Points:0)' indicator, a 'Logout' button, and a settings gear icon. Below the navigation bar, a 'Map View' section on the left lists several vehicles with checkboxes and icons: A21, T4, T20, T16, T10, T25, T22, and T8. All vehicles are checked. A dropdown menu is open, showing various report types: Alert Report, Activity Report, Driver, Fleet Performance Report, Geo-fence Report, Operation Time Report, Temperature, and Trip Summary Report. The main area of the interface is a map of the United Kingdom, showing the locations of the vehicles marked with colored icons (blue, green, red). The map includes labels for major cities, regions, and roads. At the bottom of the map, there is a 'Data Log' button, an 'Alert Message' button, and an 'Alert History' button. A scale bar indicating 50 km is also present.

Fleet Performance Report

Fleet Performance Report

Fleet : Fleet 1
Date : 2015-08-12 ~ 2015-08-18
Unit : mile, hour

Raw data : 
Print Mode :  

Print, or
export to CSV
file.

Vehicle	On Duty				Off Duty				Total				Detail
	Driving (hr)	Stop (hr)	Engine Idle (hr)	Mileage (mile)	Driving (hr)	Stop (hr)	Engine Idle (hr)	Mileage	Driving (hr)	Stop (hr)	Engine Idle (hr)	Mileage (mile)	
average	8.46	51.13	0.36	321.47	1.24	106.73	0.02	49.17	9.71	157.86	0.38	370.63	
Total	76.16	460.2	3.26	2893.19	11.2	960.56	0.15	442.49	87.36	1420.76	3.41	3335.68	
Skoda Sup/Est VE1	10.1	49.6	0.28	482.42*	0.78	107.22	0	22.93	10.88	156.82	0.28	505.35*	View
VW Passat Est VX6	11.16	48.41	0.38	449.93*	2.28	105.72	0	157*	13.44	154.13	0.38	606.93*	View
VW Transporter VE6	5.31	54.09	0.59	239.74	0.35	107.65	0	6.54	5.66	161.75	0.59	246.28	View
Mercedes Vito VA1	8.35	51.55	0	361.12	0.52	107.47	0	15.89	8.88	159.02	0	377.01	View
VW Transporter VA1	13.72	46.21	0.07	569.29*	3.26	104.74	0	162.75*	16.97	150.95	0.07	732.04*	View
VW Transporter VK	4.83	54.68	0.45	115.28	1.03	106.97	0	26.82	5.85	161.65	0.45	142.11	View
VW Transporter VK6	10.26	49.5	0.18	354.82	0	108	0	0	10.26	157.5	0.18	354.82	View
VW Transporter VE1	8.39	50.46	1.14	220.37	1.2	106.65	0.15	19.44	9.59	157.11	1.29	239.81	View
Land Rover Defender VO1	4.04	55.7	0.17	100.22	1.79	106.14	0	31.11	5.83	161.84	0.17	131.33	View

* Highlight Figure : Mileage (mile) 20% above average




Highlight options:
driving time, stop
time, engine idle
time and mileage

Click to view vehicle
performance report

Vehicle Performance Report

Vehicle Performance Report

Vehicle : T25
Unit : mile, hour

Raw data : 
Print Mode :  

Print, or
export to CSV
file.

Date	On Duty				Off Duty				Total				Detail
	Driving (hr)	Stop (hr)	Engine Idle (hr)	Mileage (mile)	Driving (hr)	Stop (hr)	Engine Idle (hr)	Mileage (mile)	Driving (hr)	Stop (hr)	Engine Idle (hr)	Mileage (mile)	
2015-08-12	6.85	17.15	0	244.88	0	0	0	0	6.85	17.15	0	244.88	View
2015-08-13	6.81	17.19	0	300.18	0	0	0	0	6.81	17.19	0	300.18	View
2015-08-14	0	24	0	0	0	0	0	0	0	24	0	0	View
2015-08-15	0	24	0	0	0	0	0	0	0	24	0	0	View
2015-08-16	0.15	23.85	0	0.56	0	0	0	0	0.15	23.85	0	0.56	View
2015-08-17	7.1	16.9	0	303.45	0	0	0	0	7.1	16.9	0	303.45	View
2015-08-18	0.87	23.13	0	16.04	0	0	0	0	0.87	23.13	0	16.04	View
Total	21.77	146.23	0	865.12	0	0	0	0	21.77	146.23	0	865.12	

Click to view trip
summary report

Trip Summary Report

Trip Summary Report

Vehicle/User : T25 ▾

Date : 2015-08-17 00:00:00 ~ 2015-08-17 23:59:59

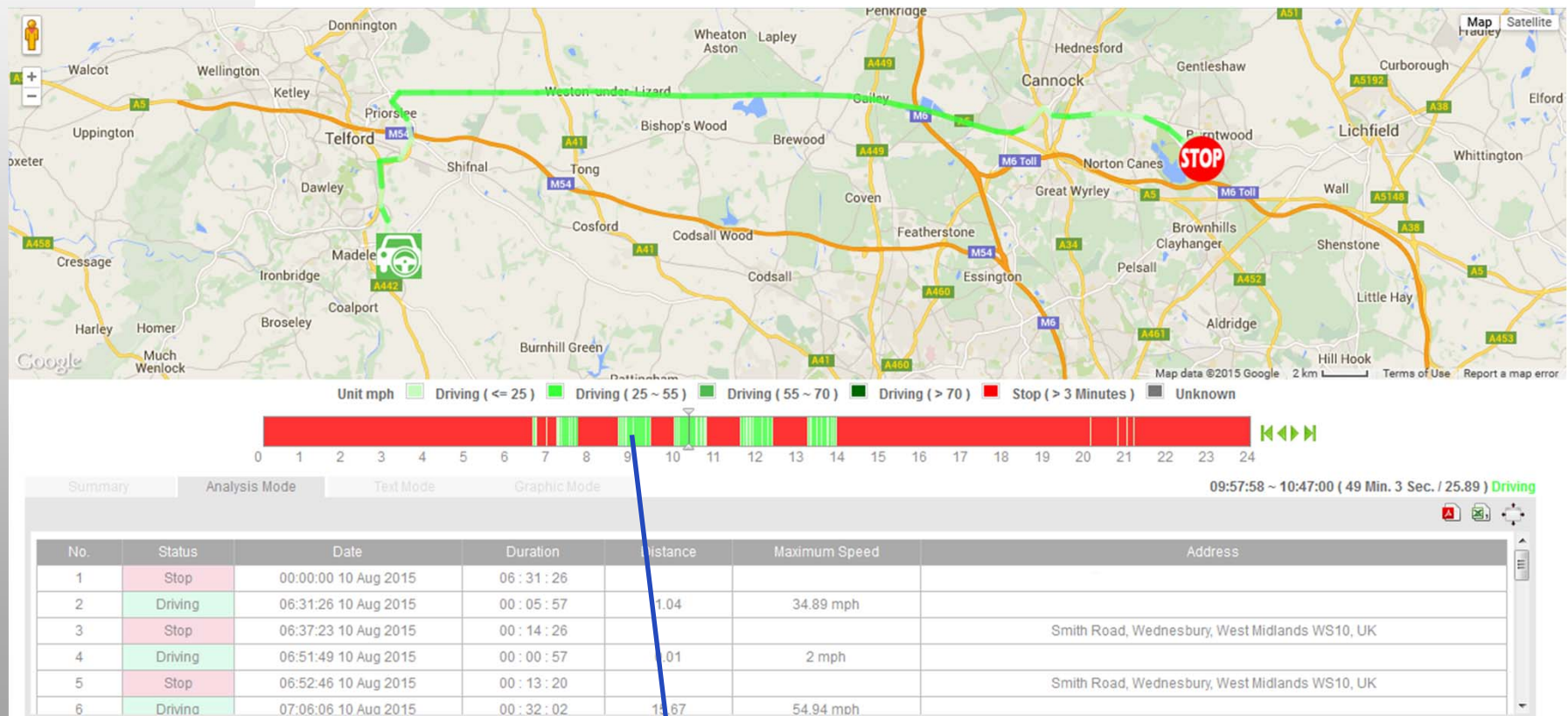
Raw data :  

Print Mode :  

No	Status	Date	Duration	Distance	Maximum Speed	Location	Map
1	Stop	00:00:00 17 Aug 2015	06 : 22 : 04			Hulbert Drive, Dudley, West Midlands DY2 0XW, UK	Map
2	Driving	06:22:04 17 Aug 2015	03 : 02 : 09	131.85 miles	58.25 mph		Map
3	Stop	09:24:13 17 Aug 2015	01 : 10 : 45			85 Gregory Road, Mildenhall, Bury Saint Edmunds, Suffolk IP28 7DF, UK	Map
4	Driving	10:34:58 17 Aug 2015	01 : 03 : 59	42.33 miles	55.23 mph		Map
5	Stop	11:38:57 17 Aug 2015	00 : 08 : 23			East Bank, Spalding, Lincolnshire PE12, UK	Map
6	Driving	11:47:20 17 Aug 2015	00 : 01 : 00	0.31 miles	3.04 mph		Map
7	Stop	11:48:20 17 Aug 2015	00 : 10 : 12			33 Petts Lane, Sutton Bridge, Spalding, Lincolnshire PE12 9QB, UK	Map
8	Driving	11:58:32 17 Aug 2015	00 : 00 : 46	0.05 miles	7.41 mph		Map
9	Stop	11:59:18 17 Aug 2015	00 : 04 : 45			East Bank, Spalding, Lincolnshire PE12, UK	Map
10	Driving	12:04:03 17 Aug 2015	02 : 21 : 04	98.16 miles	56.99 mph		Map
11	Stop	14:25:07 17 Aug 2015	01 : 05 : 47			M6, Coventry, Warwickshire CV7, UK	Map
12	Driving	15:30:54 17 Aug 2015	00 : 36 : 59	24.86 miles	55.81 mph		Map
13	Stop	16:07:53 17 Aug 2015	07 : 52 : 06			is B71 2RH, UK	Map
Driving : 6			07 : 05 : 57	297.56 miles			
Stop : 7			16 : 54 : 02				

Click to view map
and daily profile.

Daily Profile



Click to view the trail
on the map.

Viewing Options & Account Settings

The screenshot displays a web-based vehicle monitoring application. The top navigation bar includes links for Monitoring, Features, Analysis, Tools, Setting, and Mobile version. The main interface is divided into three sections: a left sidebar, a central map, and a right-hand settings panel.

Map View (Left Sidebar): This panel lists several vehicle tracks (T4, T20, T16, T10, T25, T22, T8) with checkboxes for selection. Each track entry is accompanied by a set of icons representing different vehicle statuses or actions.

Map (Center): A map of Northern Ireland is shown, with a search bar at the top. The map displays various locations including Dundalk, Dublin, Kildare, Bray, Wexford, and Rath. A blue line indicates a vehicle's path or route.

Account Setting (Right Panel): This panel is titled "Account Setting" and contains several configuration options. The "Map View Configuration" section is expanded, showing "Display Setting" options. These include:

- Name: Show
- Course: Show
- Text Color: Black
- Background: A list of background colors with checkboxes and color swatches:
 - Driving: ☒ Green
 - Stop: ☒ Red
 - Engine Idle: ☐ Orange
 - Unknown: ☐ Grey

A blue arrow points from the "Display Setting" section to a blue callout box on the right.

Callout Box: A blue box with white text that reads: "Personalize display colours and items for map view, history playback, geo-fence areas, etc."

At the bottom of the Account Setting panel, there are buttons for "Submit", "Temperature Configuration", "History Playback Configuration", and "Geo-fence Configuration".