



HANHAA

Telematics platform integration



PARCELIVE™

mecFLEET

mecFLEET® - Applications Overview

Real-time Tracking

Track objects in real time:

- > Object status by icon immediately visible (e.g. in movement)
- > Additional information of current status
- > Individual, detailed information (customizable view)
- > Different map options
- > Useful tools (zoom, freeze, copy link, group sharing with customers and other mecFLEET users, customized visualizations, ...)



Comprehensive Reporting

Three types of reporting logic:

- > **Web report** of basic information like position history, over-speeding, message reports, route reports and its visualization on map
- > **Report generator** for automatically generated reports (e.g. daily or weekly idle time reports sent to one or many email accounts)
- > **Individual designed reports** according to customer requirements

Alerting & Messaging

User-defined warning and alert messages:

- > Over- or under-speeding
- > Sensor events (opening of a door, battery status and temperatures)
- > Signal strength of GPS
- > Geofence or Point of Interest (POI) events (entry/exit, retention time, planned vs. actual)
- > Alerting by email, SMS (optional) and reported in mecFLEET Web

Field force communication

- > Chat between mecFLEET and field worker through mecTRACE Android
- > Expansion to full work management tool

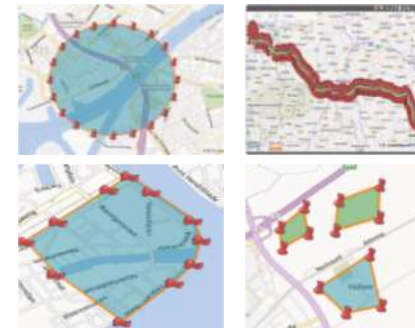
Geofences, POIs

POIs (Points of Interest)

- > Customer specific POIs can be imported to mecFLEET
- > POI visualization on map

Geofences

- > Circular geofences around addresses with defined diameters
- > Corridors for routes
- > Polygons for detailed geofencing
- > Multi-polygons for dynamic grouping



Object Management

Definitions

- > tracked object can individually be named (e.g. container no.), grouped (e.g. by branch responsibility, type, etc.) or enriched by additional information (e.g. UVV/inspection interval)

Groupings

- > **Static groups:** All objects of a type, organizational/regional responsibility, etc. can be grouped to ease administration.
- > **Dynamic groups:** Dynamic grouping based on geofence entry/exit or other location based events. Regional responsibilities might be covered (e.g. all devices in a certain region, on a certain company ground, on a construction site/zone)



mecFLEET® - Real-Time Tracking

Real-time data at your fingertips

The screenshot displays the mecFLEET web application interface. At the top, there is a navigation menu with tabs for Map, Reports, Alerts, Messages, Activities, Tours, Geo-fence, POI, Objects, Devices, Admin, Customers, My account, and Places. The main area features a map of Europe with several vehicle icons. Below the map is a data table with the following columns: Display name, Address, Icon, Status, Temperature 1, Humidity sensor, Light, Shock, Date / Time (GPS), GPS signal, Date / Time (event), Date / Time (transmission), Battery level, Longitude, Latitude, Speed, Group, and Alt.

| Display name | Address | Icon | Status | Temperature 1 | Humidity sensor | Light | Shock | Date / Time (GPS) | GPS signal | Date / Time (event) | Date / Time (transmission) | Battery level | Longitude | Latitude | Speed | Group | Alt |
|-----------------------|---------------------|------|---------|---------------|-----------------|--------|-------|---------------------|------------|---------------------|----------------------------|---------------|-----------|-----------|--------|-------|-----|
| ■ Swap Body Nort... | De Beekse 5, Erp... | 🚛 | Stopped | 16.2°C | 32.5% | 2.21lx | 0.23g | 25/09/2018 12:24:01 | 3D | 25/09/2018 12:24:00 | 25/09/2018 13:01:06 | 80% | 5.618700 | 51.591800 | - | - | - |
| ■ Trailer South-Eu... | Werkstraße, Me... | 🚛 | Stopped | 16.2°C | 32.5% | 2.21lx | 0.23g | 25/09/2018 14:00:15 | 3D | 25/09/2018 14:00:15 | 25/09/2018 14:01:03 | 69% | 10.164000 | 48.000700 | - | - | - |
| ■ Trailer West-Eur... | Olbrücker Weg, ... | 🚛 | Moving | 16.2°C | 32.5% | 2.21lx | 0.23g | 25/09/2018 14:00:28 | 3D | 25/09/2018 14:00:28 | 25/09/2018 14:01:28 | 100% | 6.610098 | 50.435278 | 77km/h | - | - |
| ■ Train Germany | Siebermorgenv... | 🚂 | Moving | 16.2°C | 32.5% | 2.21lx | 0.23g | 25/09/2018 14:02:30 | 3D | 25/09/2018 14:02:30 | 25/09/2018 14:03:19 | 0% | 7.130200 | 50.748500 | 50km/h | - | - |
| ■ Truck Central E... | Soltau, Lower S... | 🚛 | Running | 16.2°C | 32.5% | 2.21lx | 0.23g | 25/09/2018 14:02:31 | 3D | 25/09/2018 14:02:31 | 25/09/2018 14:02:38 | 0% | 9.927708 | 52.990700 | - | - | - |



mecFLEET® - Real-Time Tracking

Full control of your tracker fleet and shipments

The screenshot displays the mecFLEET software interface. On the left, a sidebar lists various attributes for a specific tracker. On the right, a map shows the current location of the tracker with a pop-up information box.

Tracker Details:

- Name: 4259
- Group name: XL-Rolltor DTL, Barth + Co. Hallbergmoos, Lindberghstraße, API_access
- Object type: XL-RT
- UVV fällig: 01.06.2019
- Beschriftung: M+M / DTL Stirnseite
- Rahmennr.: 3653
- Address: Alte Ludwigstraße, Hallbergmoos, Free State of Bavaria, Germany
- Date / Time (event): 28/09/2018 07:47:01
- Date / Time (GPS): 28/09/2018 07:46:00
- Date / Time (transmission): 28/09/2018 07:47:22
- Altitude: 445 m
- Network: Home
- GPS signal: Good
- Odometer: 10km

Last 10 places:

| Location | Entry | Exit |
|---|------------------|------------------|
| Barth + Co. Hallbergmoos, Lindberghstraße | 20/03/2018 16:58 | |
| Fashionet Obertrum, Austria | 19/03/2018 12:15 | 20/03/2018 13:14 |
| Barth + Co. Hallbergmoos, Lindberghstraße | 19/03/2018 00:15 | 19/03/2018 09:41 |
| Bertalan Nürnberg, Duisburgerstr. 80 | 17/03/2018 01:42 | 18/03/2018 22:21 |
| DTL Nürnberg, Kirchhoffstraße | 16/03/2018 23:05 | 17/03/2018 01:42 |
| M&M Essen, Teilungsweg 30 | 16/03/2018 04:13 | 16/03/2018 16:30 |
| DTL Nürnberg, Kirchhoffstraße | 15/03/2018 20:17 | 15/03/2018 21:45 |
| Barth + Co. Hallbergmoos, Lindberghstraße | 14/03/2018 13:03 | 15/03/2018 18:02 |
| Schustermann & Borenstein Poing, Parsdorferstr. 9 | 14/03/2018 10:45 | 14/03/2018 12:33 |
| Barth + Co. Hallbergmoos, Lindberghstraße | 13/03/2018 23:34 | 14/03/2018 05:47 |

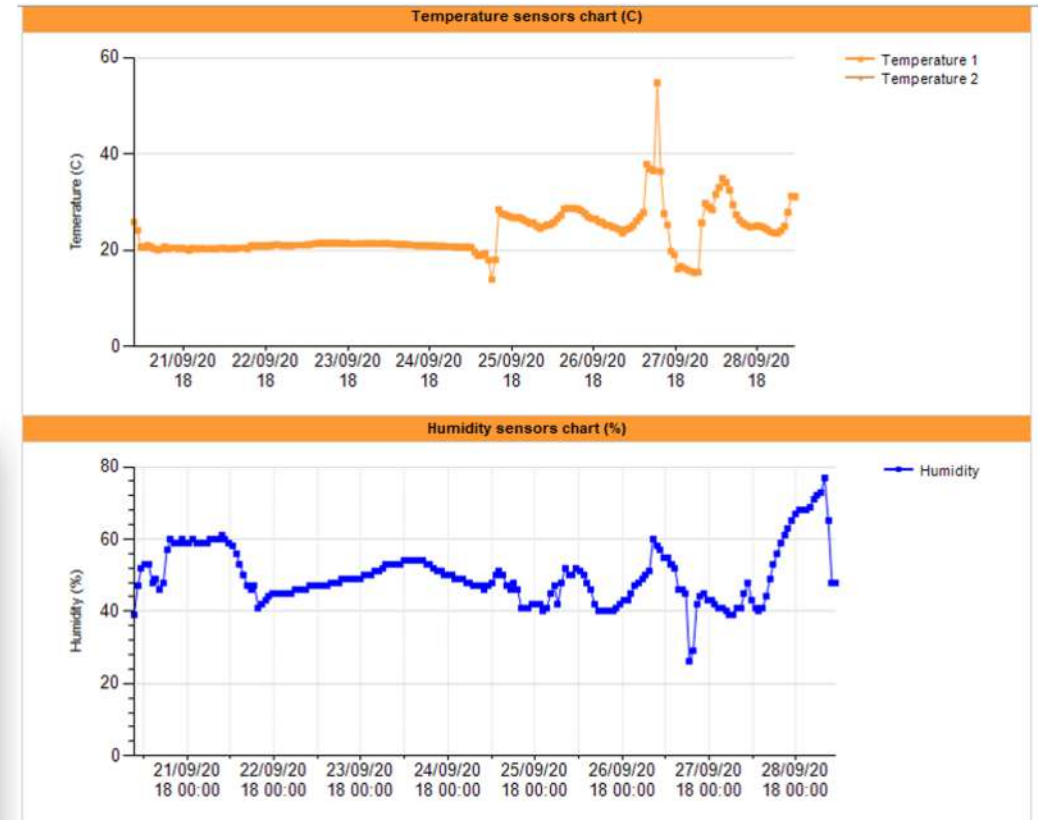
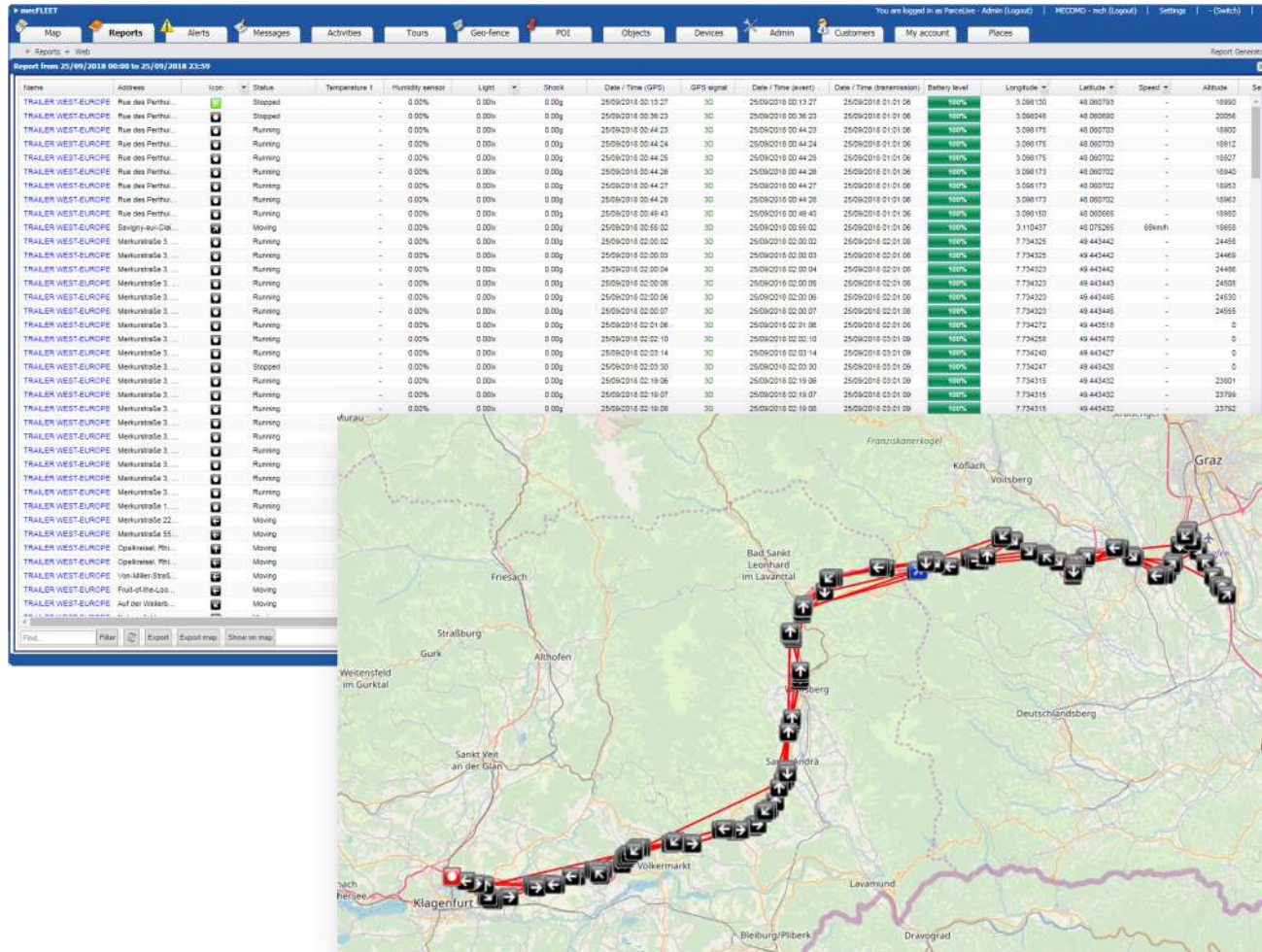
Map Location:

4259
Alte Ludwigstraße, Hallbergmoos, Free State of Bavaria, Germany
@ 28/09/2018 07:46:00



mecFLEET® - Automated Reporting

Visual position and automated sensor reports for all trackers in the field



mecFLEET® - Automated Reporting

Example: KPI-based fleet productivity / stand-still time analysis

| Routes Summary | | | | | | | | | | | | | Presence inside Depots (Geofence Area) | | |
|------------------------------|----------|--------------|---------------|-----------------|-----------------------|----------------|--------------|----------------|--------------|----------------|--------------|------------------|--|-----------------|---------------|
| Object / Driver | Distance | KPI | Trip Time | Stop Time | 2 hours | KPI | 2h-10h | KPI | 10-15h | KPI | >15h | KPI | Total Time in Depot | End Depot | KPI |
| | km | Trip / Total | (d.hh:mm) | (d.hh:mm) | (d.hh:mm) | 2h / Total | (d.hh:mm) | 2-10h / Total | (d.hh:mm) | 10-16h / Total | (d.hh:mm) | >16h / Total | (d.hh:mm) | Name | Depot / Total |
| Testgroup_Germany | | | | | | | | | | | | | | | |
| 1 | 883 | 10 % | 17:26 (14) | 6:06:34 (15) | 02:06 (6) | 1 % | 19:21 (3) | 12 % | 13:45 (1) | 8 % | 4:19:21 (5) | 69 % | 1.17:52 (4) | Heilbronn | 24 % |
| 2 | 205 | 3 % | 05:27 (9) | 6:18:33 (10) | 01:02 (3) | 1 % | 09:43 (3) | 6 % | 00:00 (0) | 0 % | 6:07:47 (4) | 90 % | 02:31 (1) | - | 1 % |
| 3 | 576 | 6 % | 09:17 (7) | 6:14:43 (8) | 03:58 (5) | 2 % | 00:00 (0) | 0 % | 00:00 (0) | 0 % | 6:10:45 (3) | 92 % | 1.05:15 (1) | - | 17 % |
| 4 | 1078 | 14 % | 23:44 (20) | 6:00:16 (21) | 07:23 (11) | 4 % | 1.21:41 (7) | 27 % | 00:00 (0) | 0 % | 3:19:12 (3) | 54 % | 10:46 (4) | - | 6 % |
| 5 | 387 | 7 % | 12:26 (16) | 6:11:34 (17) | 04:35 (8) | 3 % | 12:06 (3) | 7 % | 13:07 (1) | 8 % | 5:05:46 (5) | 75 % | 00:43 (2) | - | 0 % |
| 6 | 1194 | 12 % | 20:14 (10) | 6:03:46 (11) | 00:46 (4) | 0 % | 02:16 (1) | 1 % | 00:00 (0) | 0 % | 6:00:44 (6) | 86 % | 08:36 (6) | - | 5 % |
| 7 | 2714 | 28 % | 1.23:24 (26) | 5:00:36 (27) | 08:14 (18) | 5 % | 2.03:41 (6) | 31 % | 11:41 (1) | 7 % | 2:01:00 (2) | 29 % | 04:34 (10) | - | 2 % |
| 8 | 1138 | 11 % | 18:33 (7) | 6:05:27 (8) | 00:21 (2) | 0 % | 00:00 (0) | 0 % | 14:54 (1) | 9 % | 5:14:13 (5) | 80 % | 08:55 (6) | - | 5 % |
| 9 | 1528 | 15 % | 1.01:58 (16) | 5:22:02 (17) | 07:39 (9) | 5 % | 19:04 (4) | 11 % | 00:00 (0) | 0 % | 4:19:19 (4) | 69 % | 18:35 (6) | - | 11 % |
| 10 | 1055 | 11 % | 17:39 (10) | 6:06:21 (11) | 04:05 (7) | 2 % | 06:10 (1) | 4 % | 00:00 (0) | 0 % | 5:20:06 (3) | 83 % | 02:28 (3) | - | 1 % |
| 11 | 632 | 10 % | 16:02 (18) | 6:07:58 (19) | 10:23 (13) | 6 % | 02:16 (1) | 1 % | 00:00 (0) | 0 % | 5:19:20 (5) | 83 % | 3.03:38 (7) | Mannheim | 45 % |
| 12 | 1608 | 16 % | 1.02:40 (13) | 5:21:20 (14) | 05:48 (6) | 3 % | 07:15 (2) | 4 % | 21:38 (2) | 13 % | 4:10:40 (4) | 63 % | 00:00 (0) | - | 0 % |
| 13 | 936 | 8 % | 14:07 (7) | 6:09:53 (8) | 00:08 (2) | 0 % | 23:20 (3) | 14 % | 00:00 (0) | 0 % | 5:10:26 (3) | 76 % | 03:00 (1) | - | 1 % |
| 14 | 1538 | 15 % | 1.01:59 (15) | 5:22:01 (16) | 05:37 (9) | 3 % | 11:00 (2) | 7 % | 00:00 (0) | 0 % | 5:05:23 (5) | 75 % | 1.17:19 (7) | - | 24 % |
| 15 | 1040 | 9 % | 15:49 (10) | 6:08:11 (11) | 00:34 (4) | 0 % | 09:13 (1) | 5 % | 00:00 (0) | 0 % | 5:22:24 (6) | 85 % | 2.11:50 (6) | - | 35 % |
| 16 | 601 | 5 % | 09:12 (6) | 6:14:48 (7) | 00:05 (1) | 0 % | 00:00 (0) | 0 % | 00:00 (0) | 0 % | 6:14:43 (6) | 94 % | 1.15:03 (5) | Mönchengladbach | 23 % |
| 17 | 1237 | 11 % | 18:37 (9) | 6:05:23 (10) | 03:07 (4) | 2 % | 00:00 (0) | 0 % | 00:00 (0) | 0 % | 6:02:16 (6) | 87 % | 2.06:27 (9) | - | 32 % |
| 18 | 9 | 0 % | 00:36 (1) | 6:23:24 (2) | 00:00 (0) | 0 % | 00:00 (0) | 0 % | 00:00 (0) | 0 % | 6:23:24 (2) | 100 % | 00:00 (0) | - | 0 % |
| 19 | 504 | 12 % | 19:26 (18) | 6:04:34 (19) | 07:57 (13) | 5 % | 08:22 (1) | 5 % | 00:00 (0) | 0 % | 5:12:16 (5) | 79 % | 00:00 (0) | - | 0 % |
| 20 | 0 | 0 % | 00:00 (0) | 7:00:00 (1) | 00:00 (0) | 0 % | 00:00 (0) | 0 % | 00:00 (0) | 0 % | 7:00:00 (1) | 100 % | 00:00 (0) | - | 0 % |
| Amount of devices: 20 | | 18861 | Ø 10 % | 14.08:35 | 125.15:24(252) | 3.01:48 | Ø 2 % | 9.11:28 | Ø 7 % | 3.03:05 | Ø 2 % | 109.23:05 | Ø 79 % | 16.17:32 | Ø 12 % |



mecFLEET® - Alert and Notification Management

Alert and notification management for all ParceleLive trackers in the field

mecFLEET

You are logged in as P

Map Reports Alerts Messages Activities Tours Geo-fence POI Objects Devices Admin Customers My account Places

Alerts → New

Alert

name:

Link this rule to: (?)

All objects in the company

All objects in the company and customers

Objects:

Groups:

Conditions: (?)

Speed conditions

When the speed is faster than

When the speed is slower than

When speed exceeds

Input/output conditions

When Input 1 is On

When Input 1 changes to On

When Output 1 is On

When Output 1 changes to On

When the network is Home

When the network changes to Home

When the ignition is On

When the ignition changes to On

When is Low battery

When changes to Low battery

When temperature of Input 1 is rising above °C (?)

When temperature of Input 1 is dropping below °C (?)

When light Input 1 is higher than

When light Input 1 is lower than

When humidity Input 1 is higher than

When humidity Input 1 is lower than

When shock Input 1 is higher than

When shock Input 1 is lower than

Signal conditions

When the GPS signal quality is Good

When the GPS signal quality changes to Good

Geo-fence / POI conditions

4

Terms of use | Disclaimer | v1.9.170831.1057



mecFLEET® - Sea Freight Visibility

End-to-end shipment line/tour visibility

The screenshot displays the mecFLEET STAGING web application interface. The top navigation bar includes tabs for Map, Reports, Alerts, Messages, Activities, Tours, Geo-fence, POI, Objects, Devices, and Admin. The main content area is divided into a left-hand form for shipment details and a right-hand map view.

Shipment Details Form:

- Transport number: Test_160315_2038
- Object: 1100001000798
- Pick up date (?): 15/03/2016 23:38
- Delivery date (?): 17/03/2016 23:38
- Activity list type: Shipment
- HTM Tender No: A12345
- Truck plate: ZA-1245
- P/L 01: 10011
- P/L 02: 10012
- P/L 03: 10012
- P/L 04: 10012
- P/L 05: 10012
- Shipment Line: Kuwait Central Warehouse
- Waypoint 1: Jabal Ali
- Waypoint 2: Al Sila Customs Area
- Waypoint 3: Al Batha Customs Area
- Waypoint 4: Al Khafji Border Crossing
- Waypoint 5: Al Nuwaiseeb Border Crossing
- Waypoint 6: Kuwait International Airport
- Waypoint 7: Kuwait Central Warehouse

Map View:

The map shows a route across the Gulf region, starting from Kuwait and ending in Dubai. Key locations marked on the map include Kuwait Central Warehouse, Jabal Ali, Al Sila Customs Area, Al Batha Customs Area, Al Khafji Border Crossing, Al Nuwaiseeb Border Crossing, Kuwait International Airport, and Kuwait Central Warehouse. The map also shows major cities like Amman, Ras Al Khaimah, and Dubai, and various border crossings and customs areas. A scale bar indicates 100 km and 100 miles.



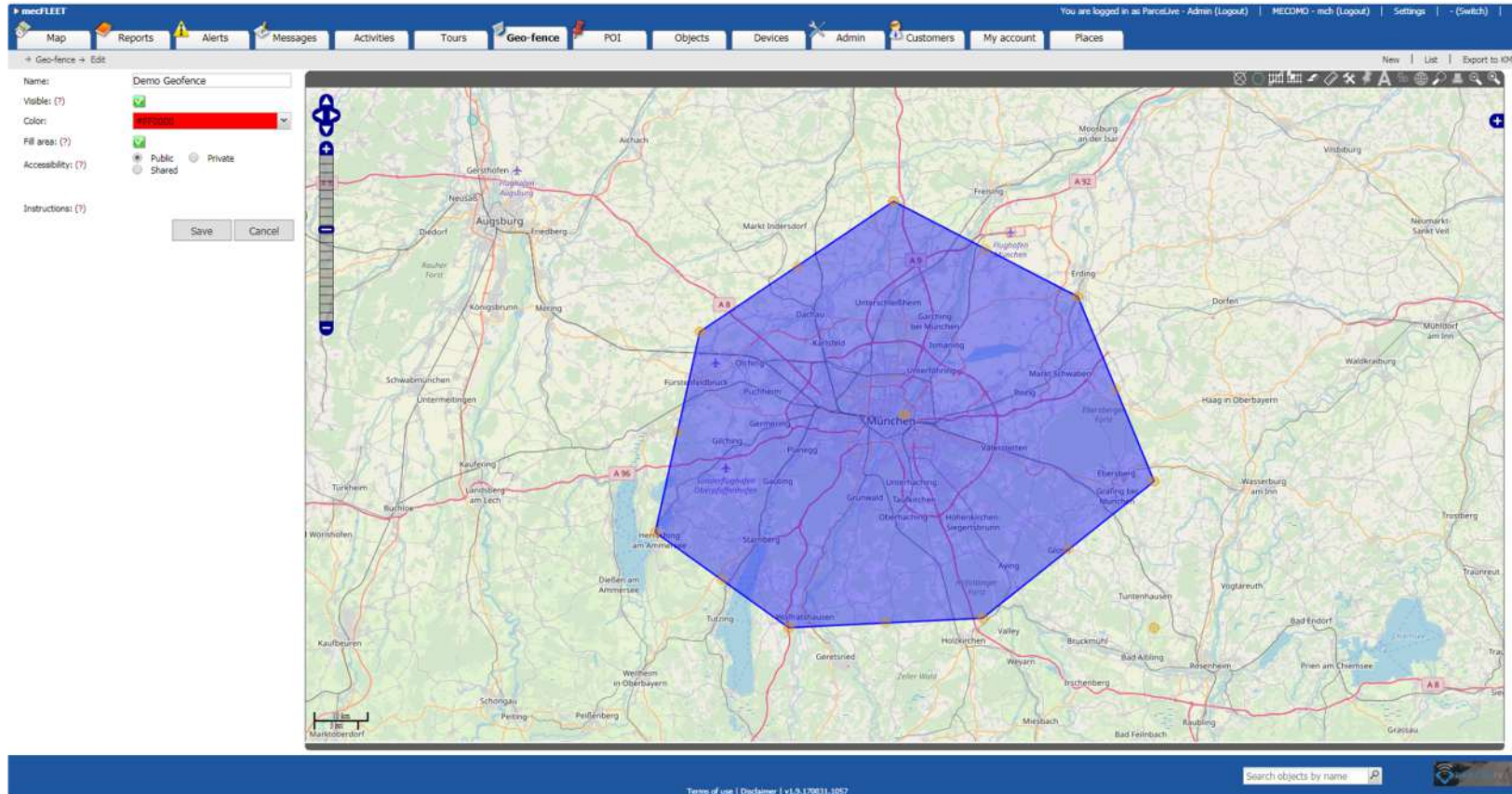
mecFLEET® - Sea Freight Visibility

GPS positing of sea freight at all times



mecFLEET® - Geofencing

Fast, easy and no-hassle geofence creation and management

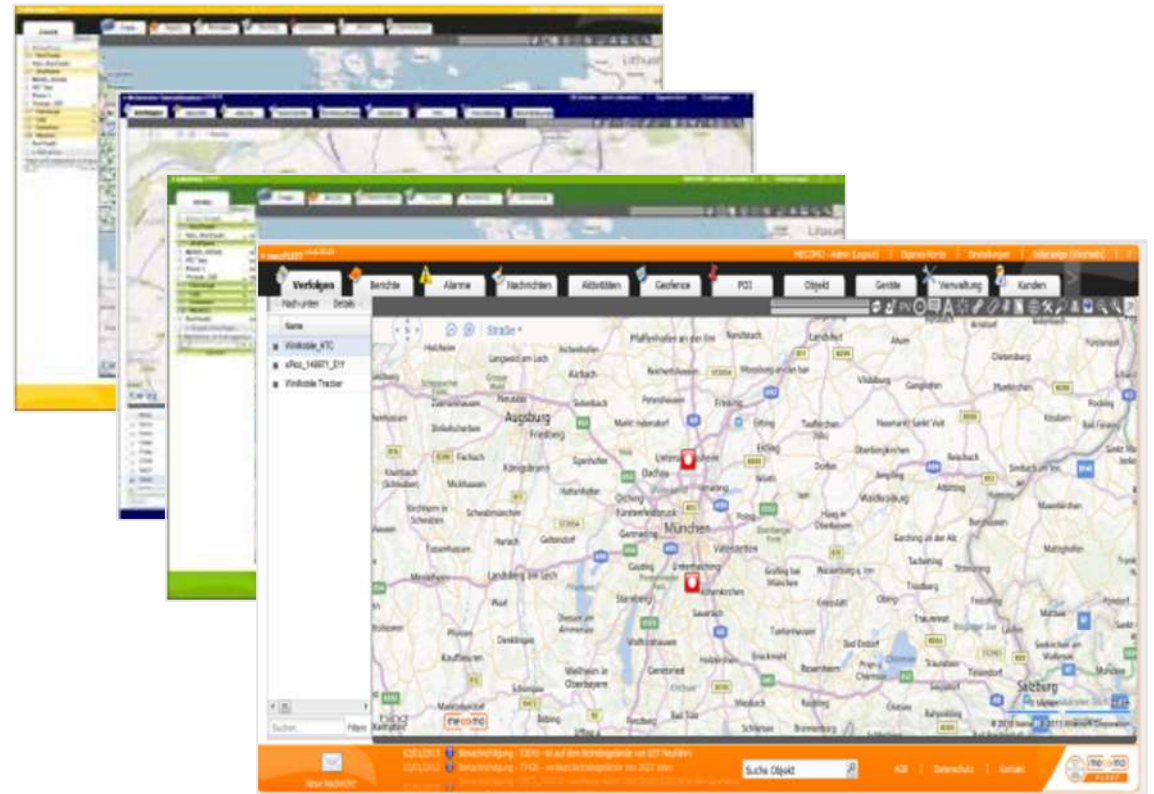
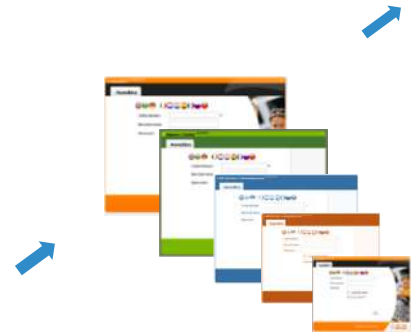


mecFLEET® – Customization

Option for customer specific features and CI-Adaptation

- Web application
- mecFLEET.com or mecFLEET.de
- Option: Individual URL
- Company look & feel / customer company colours
- Individual login mask
- PDF/Excel reporting
- Customized functions & features

<http://companyname.mecfleet.com>



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