

## Route Planning

The route planning solution is designed to help companies plan their cargo routes more efficiently, optimizing them based on vehicle and delivery specifications. The planned routes can be easily sent to the drivers' mobile application Driverlink.

### Solution components

#### Compulsory components:

- EvotecPRO\* platform
- Route Planning\* (HERE Maps road data)

#### Optional components:

- Mobile application for drivers [Driverlink](#)
- Navigation application
  - [Sygic Professional Navigation](#)\*\*
  - Optional - Google Maps, Waze, Apple Maps, etc.

\*Monthly subscription fee per asset

\*\*One-time fee per license (1-year, 3-year license)

### Functionality

For companies that have complex route planning processes for light and freight vehicles and require route optimization. In this plan, all routes are prepared using selected optimization settings and afterward sent to the driver for execution. That way it's very easy to keep track of the planned routes and arrival estimates, as well as receive status updates, comments and attachments from the drivers. System algorithm offers route optimizations based on delivery times, truck dimensions, capacity, traffic rules and other parameters.

- Route planning (based on car, van, bus, truck, garbage truck parameters by Sygic the algorithm that gathers data from HERE maps, max. 200 stops in one route);
- Mobile application for drivers ([Driverlink](#)) with the ability to send and receive routes, change statuses, add attachments and comments;
- Create a customer database;
- Create an order database;
- The most accurate routing and ETA calculation (based on real-time traffic, accidents, closures, and traffic prediction);
- Optimization of driving time, distance, costs and vehicle utilization attributes (capacity, priority, service times, time windows, etc.);
- Single vehicle sequencing;
- Multi-stop optimization;
- Open the same route in the Sygic Truck navigation application;
- Order import options

## Sygyic Pro Truck Navigation Europe (mobile application)

Tailor-made navigation for large vehicles, trusted by millions of drivers worldwide.

Navigation provides the latest offline maps, custom routing for large vehicles, three truck profiles, traffic information, fuel prices, Head-up Display, speed limit & speed camera warnings, dynamic lane assistant, millions of POIs, etc..

Configure the size and type of vehicle. Select truck, RV/bus, van, or car option and set the maximum speed, length, height, weight, width, number of axles, level of Hazmat and other optional preferences. The advanced route planning even lets you avoid toll roads, U-turns, and prefer right turns.

Benefits of using Sygyic Truck application with Route planning

When using the Sygyic Truck navigation application, the system sends the same planned route to the application, while other navigations may have offsets in the route calculation, as they only take waypoints in the account when calculating the route on the application side.

## Route Planning instruction

### Before start

### Create a Driver or Vehicle account for Driverlink mobile app

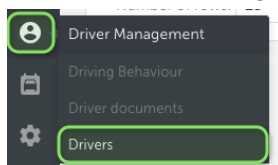
Route Planning consists of planning part WEB system and operational part – Driver mobile application. To use the mobile application you must create an account for Vehicle or Driver. According to the company settings. To change this setting between Vehicle or Driver accounts contacts the support team.

Example. For a truck that has a built-in tablet and has different drivers preferred communication type would be by Vehicle. This means that all the information and routes will be sent to this Vehicle account.

Communication type by Driver is mostly used when the driver is using his mobile phone and use different vehicles each time. For example, the driver needs to deliver 10 picas tomorrow and the driver is using multiple cars every time. In this case, the driver should create his own user account to receive routes and information.

### Create a Driver account for Driverlink

1. Go to “Driver Management” section to “Drivers”



2. Press “Add new driver” and write driver name and surname

**+Add new entry**

**Profile data**

User account

Custom fields

Available vehicles

Name: John

Surname: Trucker

Phone: +1

3. Go to “User account” and enable “Create an account for mobile application”
4. Write driver e-mail address and password and click “Save”

**+Add new entry**

**User account**

Create a user to allow the driver to access and manage data

Access to the Mapon GO application ☒

Access to reports from the system ☐

E-mail: john.trucker@gmail.com

Language: English

New password: .....

Confirm password: .....

5. Download the Driver mobile application “Driverlink” from App Store or Google Play and log in.

## Create a Vehicle account for Driverlink

1. Go to “Fleet Management section” to “Fleet”
2. Search for the vehicle you want to create a user account and press “Edit”

**Fleet Management**

Select vehicle group: All vehicles (48)

Select base: All depots

Visibility in reports: Visible (48)

GV-500

Documents & Licenses: 3

Service reminders: 0

Distance traveled this month: 34673 km

Engine hours this month: 681.4 h

Fuel consumed this month: 7706 L

Repair costs this month: 0 EUR last month

Vehicle No.: 99799

Make / Model: GV-500

Icon text: -

Driver: Iveta Rights

**Edit**

3. Go to “User account” and enable “Create an account for mobile application”
4. Write driver e-mail address, password and click “Save”

**Edit entry**

General

Technical information

Driving behaviour

**User account**

Other data

Custom fields

Vehicle groups

Permissions

**User account**

Create a user to allow the driver to access and manage data

**Access to the Mapon G application**

Username: GV-500

Language: English

New password: .....

Confirm password: .....

5. Download the Driver mobile application “Driverlink” from App Store or Google Play and log in.

## Set Vehicle navigation profile (type, weight, size, etc.) and cost profile

1. Go to “Fleet management” to “Fleet” section
2. Choose vehicle and press “Edit”

**Fleet Management**

Select vehicle group: All vehicles (48)

Select base: All depots

Visibility in reports: Visible (48)

GV-500

Distance traveled this month: 34673 km

Engine hours this month: 681.4 h

Fuel consumed this month: 7706 L

Repair costs this month: 0 EUR

99799 GV-500 GV-500 Iveta Rights

<https://mapon.com/pro/maintenance/fleet>

3. Go to “Route Planning” tab “Navigation profile”
  4. Select vehicle type and defined vehicle parameters
- Note. Vehicle Navigation profile and parameters will be taken into account when the route will be calculated

Edit entry

General

Technical information

Driving behaviour

User account

Other data

Custom fields

Vehicle groups

Permissions

Route planning

Navigation profile

Optimization

Navigation profile

Set the type of vehicle and its parameters to be taken into account when calculating a route.

Car

Van

Camper

Truck

Garbage truck

Pedestrian

Maximum speed

Gross weight

Weight on the axle

Total vehicle length

Vehicle width

Maximum height

Number of trailers

Number of vehicle axes

Number of trailer axes

130

1

5000

13

3

3

2

2

0

km/h

kg

kg

meters

meters

meters

CANCEL

SAVE

- Go to "Cost profile" section
- Define vehicle Capacity and Volume (load meters, cm3, pallets)  
Volume could be used as any unit which the company defines. Optimizing routes Capacity and/or Volume will be used to not overload the vehicle.
- Define vehicle "Cost per km" and "Cost per hour". Will be used in route optimization to calculate the most economical route if "Economical" option will be chosen.

Edit entry

General

Technical information

Driving behaviour

User account

Other data

Custom fields

Vehicle groups

Permissions

Route planning

Navigation profile

Optimization

Set the type of vehicle and its parameters to be taken into account when calculating a route.

1 Max vehicle capacity

Maximum load capacity

Volume (pallets / loading meters / other units)

48000

24

kg

Cost profile

Cost per km

Cost per hour

4.60

9.50

EUR

EUR

2

3