EPG ONE™

TRANSPORTATION MANAGEMENT SYSTEM (TMS)

Powerful, dynamic, efficient



EPG ONE™ Transportation Management System

- High-performance route calculation with a powerful algorithm and speed profiles based on time of day
- The TMS algorithm enables efficiency increases of up to 20 % compared to standard TMS solutions.
- Takes into account flexible optimisation targets for reducing the number of trips and the CO2 emissions
- Fully automated trip planning and daily updated changes by the dispatcher possible

Trip planning in record time

The Transportation Management System (TMS) with dynamic trip planning supports sender in their complex planning of round trips starting in their depots. It handles complex delivery processes for shop deliveries, pick-ups orders as well as transfer or multi-site handling and can be used for trucks and for vans.

The algorithm of our SaaS solution takes into account the traffic speeds for specific times of day and specific roads when planning the trips, and also calculates the optimum route and the right starting time for any time of day. This results in optimum planning of the delivery stops and compliance with time windows.

Stand-alone or suite integration

Our route calculation is available as a cloud-based solution. Using our web interfaces you can easily integrate it with your ERP or WMS, as well as our own product suite EPG ONE™. This enables you to take advantage of the integration capabilities between products in our EPG ONE™ Suite, such as CnB for accounting or WFM for resource planning, or even include actual packing unit data from our Warehouse Management System (EPG LFS) after the initial planning.

PRODUCT
FACTSHEET

EPG® Ehrhardt Partner Group
Smarter Connected Logistics™

Driving times based on time of day

Speed of traffic at the time of day and on specific roads is taken into account to ensure optimal planning of delivery stops and enable time slots to be met.

➔ Relevant data acquired from aggregated, historical traffic information by week day and time of day.

The dynamic and exact planning approach ensures an optimal start time for each route and moves away from set, standardized departure times.

➔ Absolute flexibility over start times, stops and assignment of consignments/routes

Sample calculation

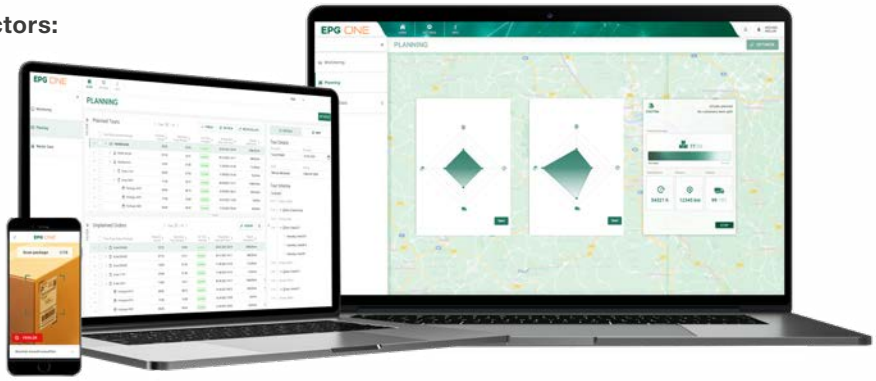
Start times	Optimal	5 am	5.30 am	6 am
Tours	33	36	34	3,262
Distance [km]	3,081	3,307	36	44.0
Avg. speed [km/h]	43.6	45.2	3,116	43.4
Drive time [min]	4,238	4,390	4,251	4,507
Delivery time [min]	8,565	8,565	8,565	8,565
Idle time [min]	21	1,642	487	97
Total time [min]	**12,284**	**14,597**	**13,304**	**13,169**

The EPG Scenario Optimizer™

You have the choice – with the PG Scenario Optimizer™, you can define the simulation of the optimum route yourself, based on weighted factors. It is possible to calculate different scenarios for one or multiple depots.

You can define the weighting with different factors:

- Number of vehicles
- Distance
- Punctuality
- Working hours



Integration of the EPG ONE™ App

Our EPG ONE™ App supports the driver with the handling processes. It offers dynamic, adaptable handling workflows – from loading at pick-up and load securing before departure to delivery including signature or photo documentation. All processes are executed digitally and documented online.

We welcome you to challenge our system and put it to the test! We calculate your savings potential with your trip data. Schedule a non-binding consultation with one of our TMS experts at EPG.

Advantages at a glance:

- **Optimum scheduling** at the press of a button
- **Reduce your transport costs** by **10 to 20 %**
- **Capacity utilisation** of your vehicle fleet **> 95 %**
- **Last minute updates** for flexible changes to trip planning
- **Innovative and intuitive** web interface
- **Realistic ETA forecasts** by using traffic profiles based on time of day

EPG Ehrhardt Partner Group
Smarter Connected Logistics™

www.epg.com