



the mind of movement

TLNplanner

Service Description

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Shorttitle	Service Description TLNplanner
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# 1 Service Description

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## 1.1 General profile

TLNplanner is a transport route planner offered as a cloud-based software-as-a-service (SaaS). The product runs in all popular browsers on the most popular platforms and can be used by customers without an installation process, so that no IT integration is required. The service supports inter alia dispatchers, fleet managers and generally all employees involved in the calculation of transport services.

With the product, the user can determine the costs for individual routes and thus create a calculation basis for offers to customers that is as accurate as possible. TLNplanner is currently also used by many companies for post-calculation and invoice verification. In addition, route plans which are optimized for the specific vehicle and include the related road attributes and restrictions can be created and made available to the driver.

TLNplanner calculates transport routes taking into account exact toll, vehicle and personnel costs. Map data, toll charges, truck restrictions and traffic data are constantly updated.

### 1.1.1 Advantages

- ▶ Route calculation - save costs through efficient route planning
- ▶ Toll and transport cost calculation - Calculate profitably with exact calculation of toll costs
- ▶ Sequence and time window optimization - Save time by optimizing the sequence of stopovers.
- ▶ Emission calculation - Improve competitiveness with accurate CO<sub>2</sub>e reports.
- ▶ Display & classification of customer data - Exploiting customer potential by visualising customer data
- ▶ Guided navigation - Transfer optimized routes to the PTV navigation system.
- ▶ Integrated international truck parking database - Increase vehicle utilization by taking into account optimal rest periods for drivers.

## 1.2 Technical system description

### 1.2.1 General

TLNplanner can be used via a web browser such as Mozilla Firefox®, Microsoft Edge®, Google Chrome™

### 1.2.2 Technical requirements

#### Browser

Currently the following browsers are supported:

- ▶ Microsoft Edge 44
- ▶ Firefox (Quantum) 70
- ▶ Chrome 77

#### Notes:

Since the browser versions are updated by their manufacturers at very short intervals, TLNplanner may not yet have been officially released for higher versions.

Javascript must be activated in the browser settings. Java, Flash or Silverlight are not required.

#### Screen Resolution

The TLNplanner interface has been optimized for a minimum resolution of 1280 x 1024 pixels.

#### Bandwidth

Recommended: Internet access at 1 Mbit/s or higher

#### Help / Documentation

The scope of the help and the communication channels are described in Appendix 4 (Maintenance and Support).

#### Languages

TLNplanner can be used with the following languages:

- ▶ German
- ▶ English
- ▶ Dutch

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## 1.3 Web client description

TLNplanner calculates the optimal route for trucks taking into account..:

- ▶ Official truck and dangerous goods data - Europe-wide, including restrictions for
  - ▶ height
  - ▶ width
  - ▶ length
  - ▶ total weight
  - ▶ axle load
- ▶ Prohibitions on passage (e.g. > 3.5 t trailers and dangerous goods transports)
- ▶ Other restrictions, such as "residents only" or "free delivery".
- ▶ Permanent construction sites, long-term road closures and current traffic reports.
- ▶ The prescribed driving and rest periods and the remaining driving and shift times of the drivers.
- ▶ Individual preferences (e.g. avoid ferries and toll roads)
- ▶ Alternative routes
- ▶ Environmental zones

### 1.3.1 Main Functions

An overview of the main functions of TLNplanner can be found here:

[www.tlnplanner.nl](http://www.tlnplanner.nl)



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**PTV GROUP**

Haid-und-Neu-Str. 15  
76131 Karlsruhe  
Germany

[www.ptvgroup.com](http://www.ptvgroup.com)