

# Product description TLNplanner next generation

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Shorttitle	Product description TLNplanner next generation
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# 1. General profile

TLNplanner next generation 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 next generation is currently also used by many companies for post-calculation and invoice verification.

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

## Advantages

- State-of-the-art - Cloud platform technology and user interface
- Powerful route planning algorithm - save costs through efficient route planning
- HERE world map - worldwide route calculation and geocoding
- Standardised route calculation function for reliable quotations
- Configurable route calculation for individual requirements, including consideration of
  - Historical traffic data
  - Time-dependent vehicle restrictions
  - Realtime and near-time traffic incidents
  - Time-dependent tolls
  - Customer opening-times
- Calculation reliability - use of future toll scenarios considering emission classes (incl. LNG/CNG/hybrid/EV)
- Use of latest emission calculation methods - HBEFA 4.2 and ISO 14083
- Consideration of special toll charges and emission stickers through vehicle allocation
- Consideration of source and destination traffic in Austria
- Increase vehicle utilisation by taking optimum rest periods for drivers into account

## 2. Technical system description

### 2.1. General

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

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#### Hint:

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

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## 2.2. Technical requirements

### Screen resolution

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

### Bandwidth

Recommended: Internet access at 1 Mbit/s or higher

### Languages

TLNplanner next generation can be used with the following languages:

- English
- German

## 3. Product description

TLNplanner next generation 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 time regulation
- Environmental zones