

PTV Intertour is a professional trip and transportation planning system. The software is particularly designed for depot-related trip planning of consolidated and distribution services.

**New: Mefisto – a post-optimization method developed in partnership with the University of Karlsruhe. This unique method allows you to further reduce your transport costs.**

# The planning system

## Range of applications

PTV Intertour is used for operational planning of consolidated and distribution services for forwarding agencies or company transports. Moreover, the software supports strategic and operational planning tasks. All restrictions such as customers' opening hours, delivery conditions, depot opening hours, your vehicle capacities and service hours as well as your vehicle equipment are taken into account.

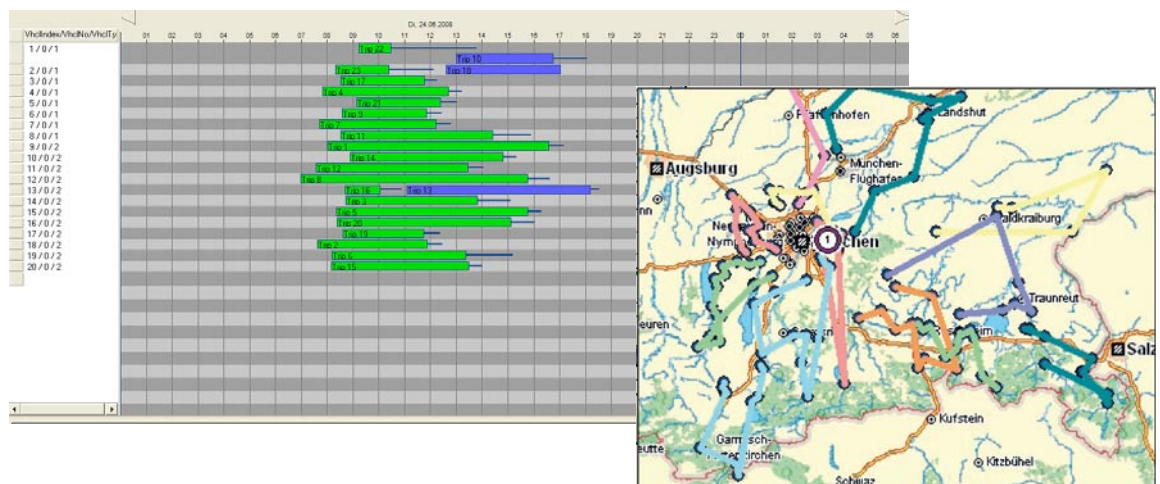
The automatic route and vehicle scheduling function quickly generates efficient trip suggestions. The latest PTV Intertour version is the world's first scheduling software using Mefisto. Mefisto (Metaheuristics Framework for Information Systems in Transport Optimization) is a post-optimization method designed to further minimize transport costs. The trip cost monitor helps the user control and analyse the post-optimization results. After the automatic planning process dispatchers can also edit trips manually.

The time graph of each trip schedule is visualised in detail on a clearly structured chart which includes driving time, breaks, and loading and unloading time, etc.

## Creating schedules according to your requirements

Before you generate the first trip and vehicle schedule, you can define the planning parameters. This means that PTV Intertour will be adjusted according to your specific requirements. The parameters include data on maximum driving times, working hours, breaks and overnight stays, and priorities. Trip planning optimises the routes in terms of route length and time while evenly balancing vehicle capacity. Additionally, PTV Intertour calculates the toll road sections per trip for your actual trips and for optimised scenarios.

Since the current status of the planning process can be stored at any time and reloaded, if necessary, the user can easily compare different planning scenarios.



### Focussing on the planner

The system gives the planner plenty of room for interactive planning. Stop-off points can be easily allocated to other trips and selected vehicles can be re-scheduled. In this way planning can be edited at any time depending on the day-to-day requirements such as orders modified at short notice or problems occurring during the trip.

The data processing such as order-picking, shipping or the generation of freight documents is not activated until it is confirmed by the planner.

### The result

As a result PTV Intertour presents the orders with all important planning details such as trip number, type and number of vehicle, scheduled delivery times etc.

The results can be analysed and edited by using different displays such as the trip chart including key figures on costs and utilisation or the graphic map and service chart.

### Solving specific problems with PTV Intertour

For years, the interactive trip planning program PTV Intertour has proven its efficiency in numerous applications. The standard solution is therefore designed to be used for the following special tasks:

- ▶ Planning multi-day trips
- ▶ Co-ordinating several depots
- ▶ Planning trips with transshipment points
- ▶ Collecting goods at reference depots
- ▶ Considering production capacities
- ▶ Parking, exchanging and picking up swap bodies during the trip
- ▶ Calculating toll costs
- ▶ Assigning transport orders by comparing freight costs which could involve using the own vehicle fleet or a subcontractor's network (as add-on module).

### Easy connection included

PTV Intertour is the basic trip planning program. The PTV LogisticsPlatform provides a series of add-on modules that offer further functionalities along the process chain.

PTV Intertour can be easily integrated into your existing system environment. The software is connected to the internal ordering system. When the software is directly linked, the host system transfers all relevant master and transaction data.

When the software is indirectly linked, logistic information can be added to the transferred data. Master planning data includes for example opening hours, technical parameters and geographic co-ordinates.

PTV Intertour is available in different languages.