

Much more than just a solution.

The PTV world of transport and
logistics planning software





As diverse as your industry.

The transport and logistics market is full of diversity - and so you need logistics planning software that is suited to your own particular niche.

Planning delivery transports is not the same as planning long-distance transports. And different fleet sizes call for different software solutions. In addition your logistics company may want transport planning software for delivery area/fleet planning and other strategic tasks, or it may need operational support for your daily scheduling activities.

PTV AG is very familiar with this wide range of issues. The company has been developing successful transport logistics software solutions since 1979, and its map&guide product brand has long been the leader in route planning software in German-speaking countries.

For large and small requirements

We offer different software solutions to match your individual needs. Our entry-level solutions are simple route planning products, such as the classic map&guide professional, or the new downloadable route planner, map&guide base. We also provide powerful routing and dispatching software as well as comprehensive individual solutions based on PTV LogisticsPlatform in order to cover the entire transportation process chain.

For distribution/multi-drop services and long-distance transports

map&guide planner is the dispatching software of choice for map-based and realistic route and vehicle assignment planning for national and international direct

traffic. PTV Intertour, on the other hand, has been supporting numerous hauliers and logistics companies in their depot-related trip planning activities for many years.

For operational dispatching and strategic planning

Hauliers and logistics companies use map&guide planner and PTV Intertour for their day-to-day operations. We additionally offer a special solution - PTV Intertour Strategy - to help you strategically plan your logistics processes.

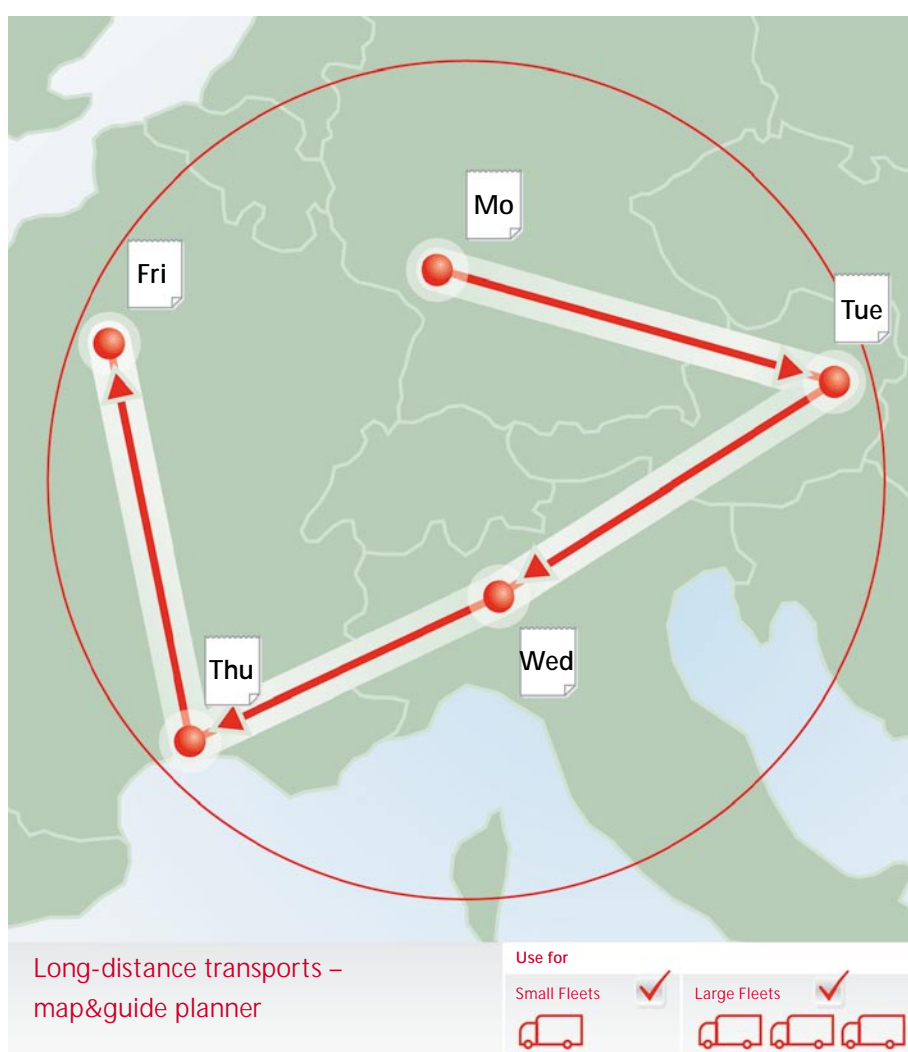


map&guide planner – Map-based dispatching for long-distance transports

map&guide planner is the dispatching software for realistic route and vehicle assignment planning for international transport, hauling and other services. It was made with schedulers in mind: The software is easy to use and extremely well structured. map&guide planner offers helpful optimisation and suggestion features such as sequence optimisation or vehicle or route recommendation features. It bases its planning on factors such as:

- ▶ Driving times, rest periods and remaining shift and journey times
- ▶ Deadlines, time slots, loading/unloading times
- ▶ Vehicle restrictions and dangerous goods
- ▶ Loading capacities

Complex information in an intuitive display map&guide planner visualises all dispatching information on the map clearly and intuitively. Depending on their requirements, schedulers can choose to display orders, routes, vehicle positions or availability locations. Simply drag and drop items right on the map to build trips, allocate them to a vehicle, or assign them to a sub-contractor. Integrates easily with other freight forwarding programs



PTV Intertour – Route planning for distribution and multi-drop services

PTV Intertour is the classic PTV planning tool and has long been used with tremendous success by many logistics companies, hauliers and private carriers. The route planning system is particularly good for operational planning of distribution and multi-drop services. PTV Intertour also supports your tactical planning activities.

Plan as you wish

You determine the conditions to be used in planning, for example, max. driving time, driver's working hours, break and overnight stay regulations, priority levels etc. The route planning system minimises the length and duration of all the routes while optimising vehicle capacity utilisation.

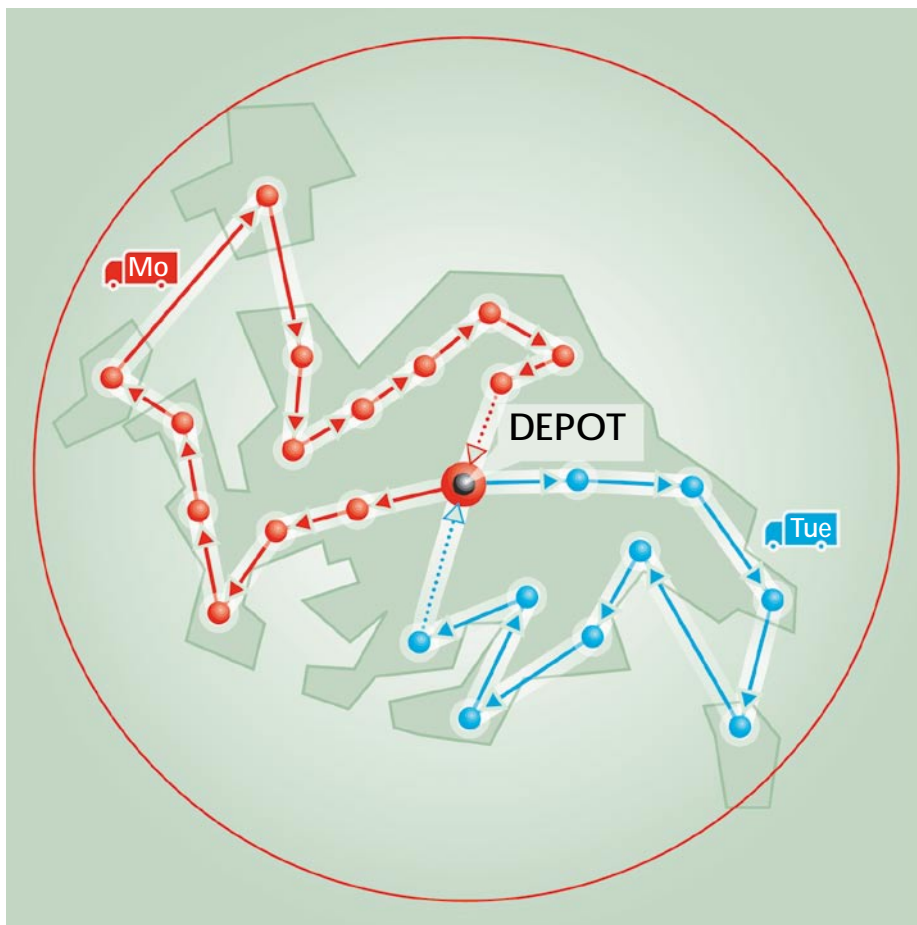
The expert for planning consolidation and distribution services

- ▶ Planning multi-day routes
- ▶ Coordinating several depots
- ▶ Planning routes with transshipment points
- ▶ Collections at reference depots
- ▶ Calculating freight costs based on certain freight conditions (transport by external forwarders or by your company)
- ▶ Taking production capacities into account
- ▶ Avoiding delays at the loading ramp
- ▶ Putting down, hitching and picking up swap bodies
- ▶ Calculating toll costs

Integrate PTV Intertour into your current system environment. You can also expand the route planning environment: PTV LogisticsPlatform offers other add-on modules for PTV Intertour as required.

PTV Intertour Compact for smaller fleets

PTV Intertour Compact is an attractive alternative for companies with smaller transport volumes. It is the "little brother" of PTV Intertour and comes with many of its bigger brother's functions, but at an extremely low price. PTV Intertour Compact assigns your orders to routes and takes into account both general factors and individual restrictions - for example, customer time limits, depot opening hours, vehicle capacities, service hours, vehicle equipment, load restrictions, precombined master route and area assignments, and handling time calculations.



Consolidation and distribution services – PTV Intertour

Use for

Small Fleets



PTV Intertour Compact

Large Fleets



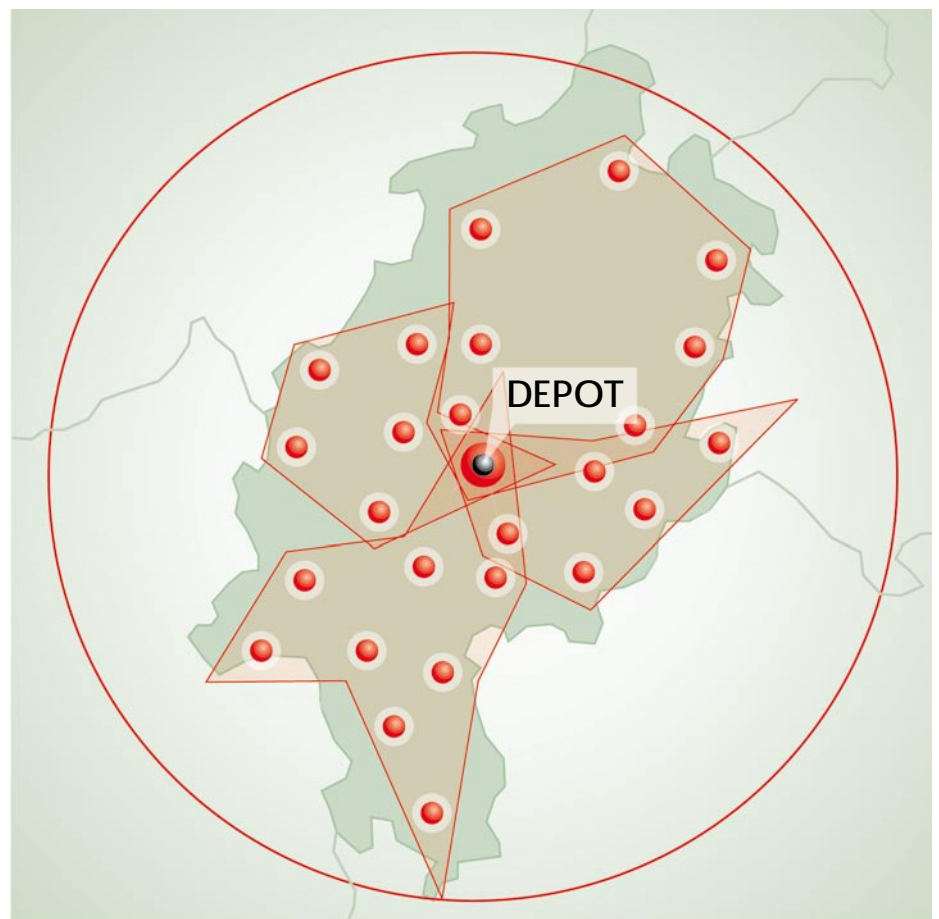
PTV Intertour

PTV Intertour Strategy – Strategically plan precombined routes, depots and delivery areas

PTV Intertour Strategy helps you create the most cost-efficient precombined route plans for recurrent or widely fluctuating deliveries. The software solution is extremely popular among companies that wish to smooth out strong daily fluctuations in their fleet utilisation.

Weekly precombined plan with consistent fleet utilisation

Rather than driving to each delivery or service area every single day, you can use PTV Intertour Strategy to create optimum weekly precombined plans with consistent fleet utilisation rates and form highly compact areas for each individual day. Planning is based on your customer data in a planning period of up to 12 weeks. Other restrictions included in planning are delivery quantities, individual call patterns, fixed driver-customer relationships, fixed delivery days, exception days, and many others.



Strategic Planning –
PTV Intertour Strategy

Use for

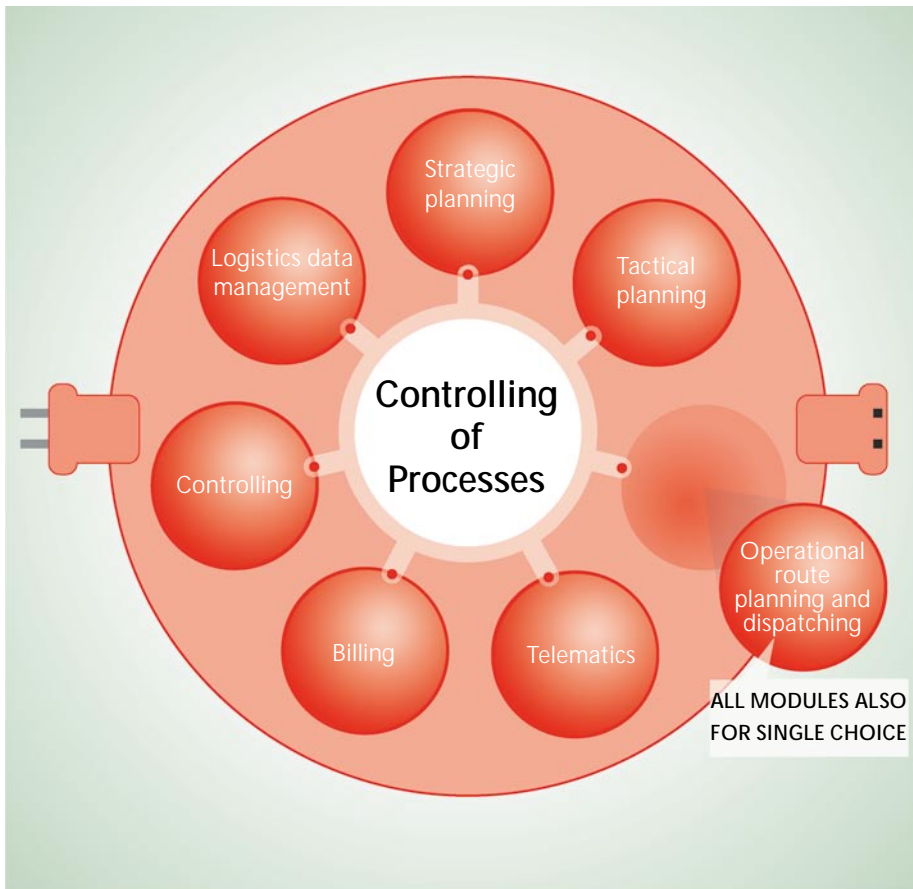
Small Fleets



Large Fleets



PTV LogisticsPlatform – Planning and controlling the transport chain



PTV LogisticsPlatform offers loaders and transport services providers an ideal technological platform for displaying every link in the logistics transport chain integrated in an overall system. At the heart of PTV LogisticsPlatform is PTV Intertour, which is used to plan your daily routes. With PTV LogisticsPlatform, you can integrate additional process steps and functions as required:

- ▶ Logistics data management
- ▶ Strategic planning
- ▶ Tactical planning
- ▶ Operational route planning and dispatching
- ▶ Telematics
- ▶ Billing
- ▶ Controlling

Modular, need-based structure

Modularity, integration and transparency are what make the PTV LogisticsPlatform so successful. Only choose the modules that you actually need. You can then work through every step in the process seamlessly. PTV LogisticsPlatform integrates readily with your existing order processing, warehouse management or billing systems for maximum flexibility and efficiency.

Planning and controlling the entire process chain – PTV LogisticsPlatform with modular components

Use for

Small Fleets

Large Fleets

High level of transparency and cost control

With its powerful modules for consignment tracking, analysis and controlling, the technology platform meets all your customers' requirements in terms of transparency and cost control.

Your customer is always kept informed about order statuses, shipment statuses, and additional services - which makes it easier for you to invoice your additional services.

Other add-ons

Our software solutions are modular which means you can add features that go far beyond classic route planning and dispatching. Here are two examples of possible expansions:

Invoicing

Invoicing with PTV Intertour/Cargo: This add-on module enables you not only to determine your own costs but also to calculate the exact freight costs of service providers, even with different tariff rates, margins, or special conditions. This gives you complete control over your make-or-buy decisions.

Telematics

map&guide tour assistant is a telematics solution specifically developed for the transport industry that facilitates in-vehicle order management. The handheld-based software provides a channel for exchanging information between scheduling headquarters and the vehicle fleet. With the PTV LP Execution module you can, for example, send new orders to vehicles while they are on the road. The drivers can then work through these orders on their handhelds. Similarly, information about the current order status, the vehicle position, and the driver's driving time can also be sent from tour assistant to headquarters.



Integration and server components

Integration

All these featured solutions can be easily integrated into your existing systems via various interfaces. Data formats such as SAP-IDOC, XML, XLS or ASCII are supported. This means information can be accessed at any point during the entire process.

Seamless SAP integration

A special standardized adapter makes integrating and interfacing with SAP effortless. The PTV planning software receives all relevant order data through this adapter and sends the planned routes back to SAP for further processing.

Server components

In addition to the standard products featured here, we can provide individual server components to add special mapping, routing, or logistics functions to your own software solution. You can choose from a series of development platforms with varying levels of functionality for various technological platforms.

The PTV world of transport and logistics planning software:

- ▶ For long-distance transports: map&guide planner
- ▶ For distribution and multi-drops: PTV Intertour and PTV Intertour Compact
- ▶ For strategic planning: PTV Intertour Strategy
- ▶ For planning and controlling the entire process chain: PTV LogisticsPlatform

