

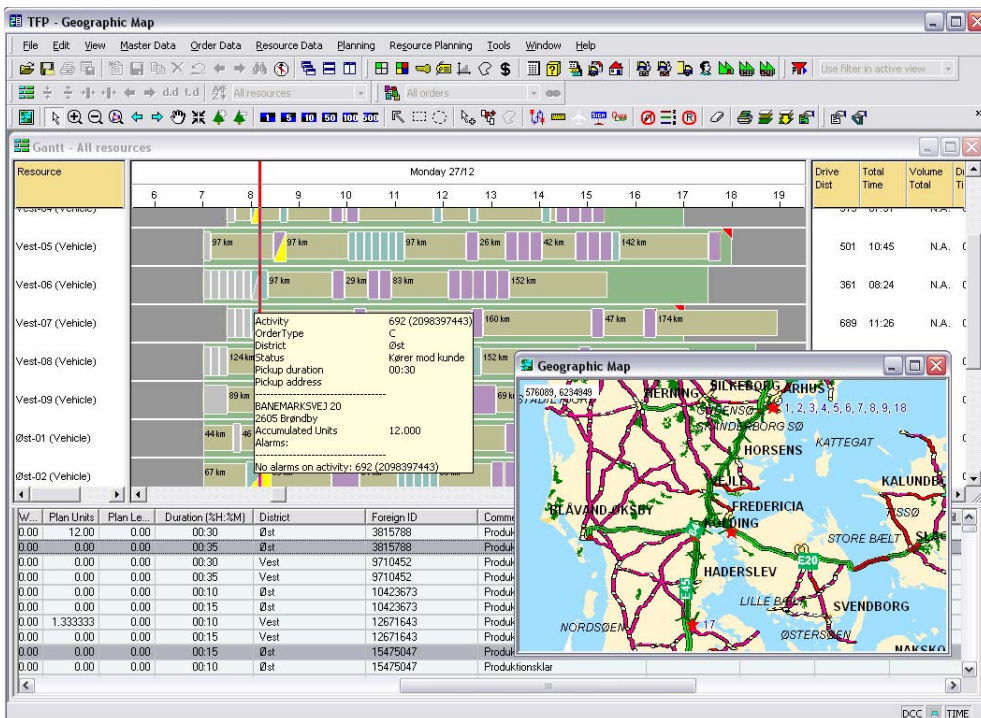
## TRANSVISION FLEET PLANNER MODULES

The Transvision Fleet Planner is a real-time, event driven, planning and dispatching application designed to allow either manual or automatic planning along with real-time and operational control.

It is a highly configurable planning system that allows organisations to create effective, efficient plans for their vehicles for one or more days. It allows the planning managers to take control of the routes when the vehicles are on the road, and provide the capability to update routes, insert new jobs and handle ad hoc orders as they happen.

In the following pages you will be able to read about the Transvision Fleet Planner applications 3 main modules:

- DISPATCH: Advanced manual planning
- OPTIMISER: Automatic planning
- REALTIME: Event driven execution





## Transvision Fleet Planner DISPATCH

The Transvision Fleet Planner DISPATCH module is the basic module of the Transvision Fleet Planner application and is an advanced manual planning tool which supplies a solid overview of resources and plans. It provides an optimal base for competent manual management of available resources.

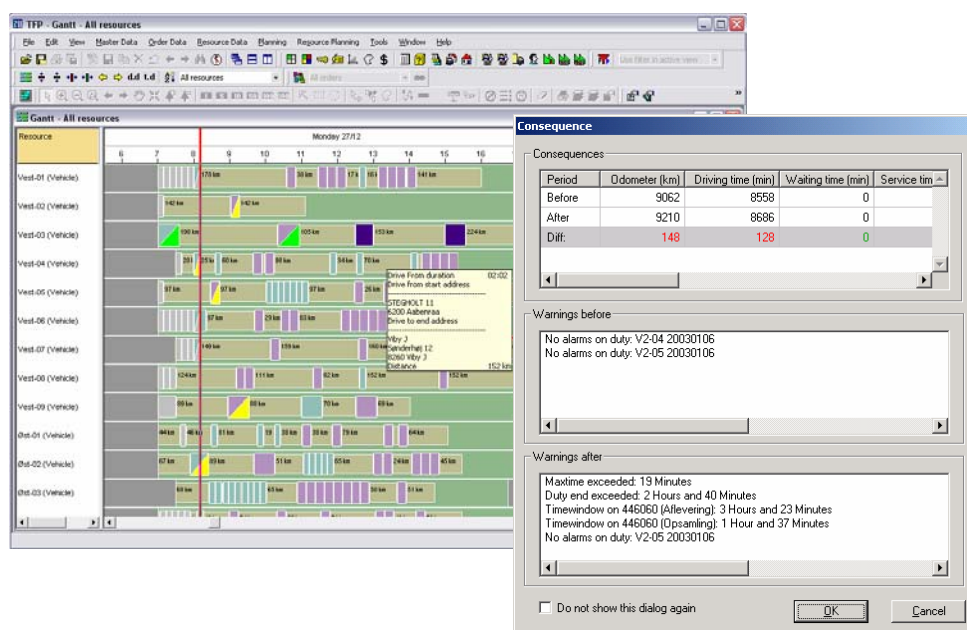
The system displays planning information through a number of windows. The four fundamental displays are:

- The Gantt-chart which displays the planned time for the resource along with the specific task assigned to it. Also, the Gantt-chart shows the time period of the tasks, driving time and distances between tasks.
- The digital route map in which orders and the specific routes can be shown (routes can be manipulated in case of e.g. one-way streets or closed roads) and driving times and distances between two destinations can be calculated.
- The order bank, in which all orders are displayed, provides a search by order, types of order, districts etc.
- The route list in which the specific routes can be shown with key figures for time of arrival, route order, addresses etc.

By the use of a filter several versions of each chart can be shown making it possible to work with many separate Order Banks, Gantt-charts etc.

The manual management of resources is done by dragging and dropping of orders between charts (e.g. from the Order Bank to the Gantt-chart). Following the dispatch of a task, consequence calculations are shown to support the task.

Consequence calculations are displayed in kilometres, times, costs and, not least, penalties and service degrees.





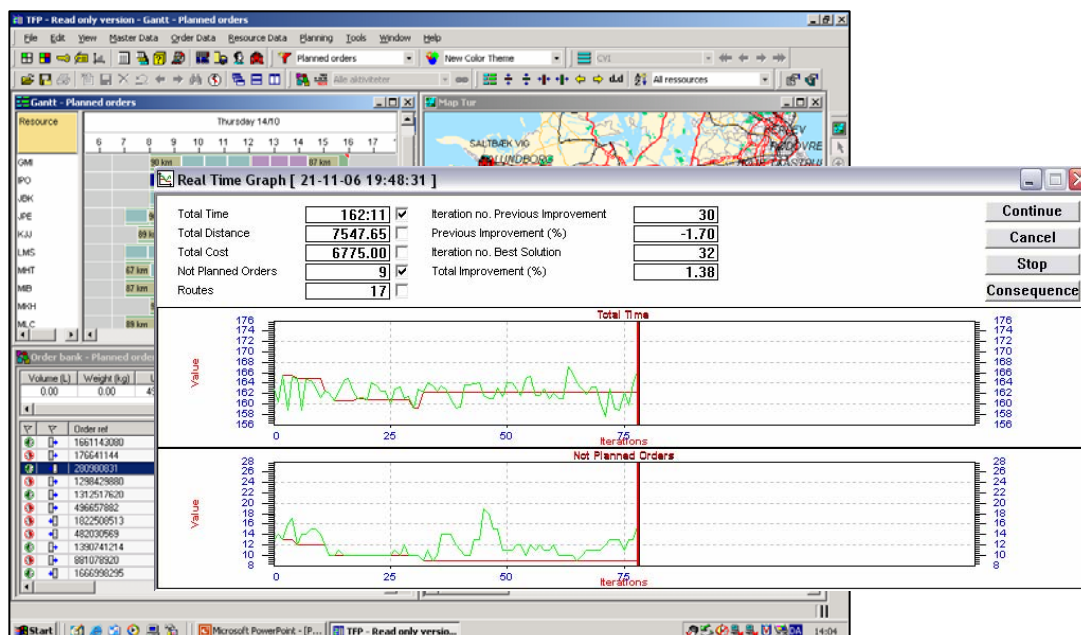
## Transvision Fleet Planner OPTIMISER

The Fleet Planner OPTIMISER module is responsible for the automatic insertion of jobs into the planning schedule and is an extra module added to the DISPATCH module. The extra module contains several automatic optimisation facilities. The four specific optimisation facilities are:

- An automatic pre-planning where a basic plan can be made from scratch from any amount of orders prior to execution. The starting point is an empty Gantt-chart which quickly and automatically will be filled with unplanned orders.
- An automatic order placement in which one or more unplanned orders in the order bank can be highlighted and automatically put in the optimal place or a number of good options for placement of the order can be shown.
- An automatic sequence optimisation in which the order of the tasks of the specific route is optimised.
- An automatic fleet optimisation where all tasks regularly are moved between resources, both from the already planned tasks and the remaining unplanned tasks in the order bank.

The optimisation module works closely with the DISPATCH module so that the management of the resources becomes a combination between manual and automatic decisions.

The automatic planning can be set with several priorities and valuations, like the extent of time delays, costs and reductions in the number of resources.



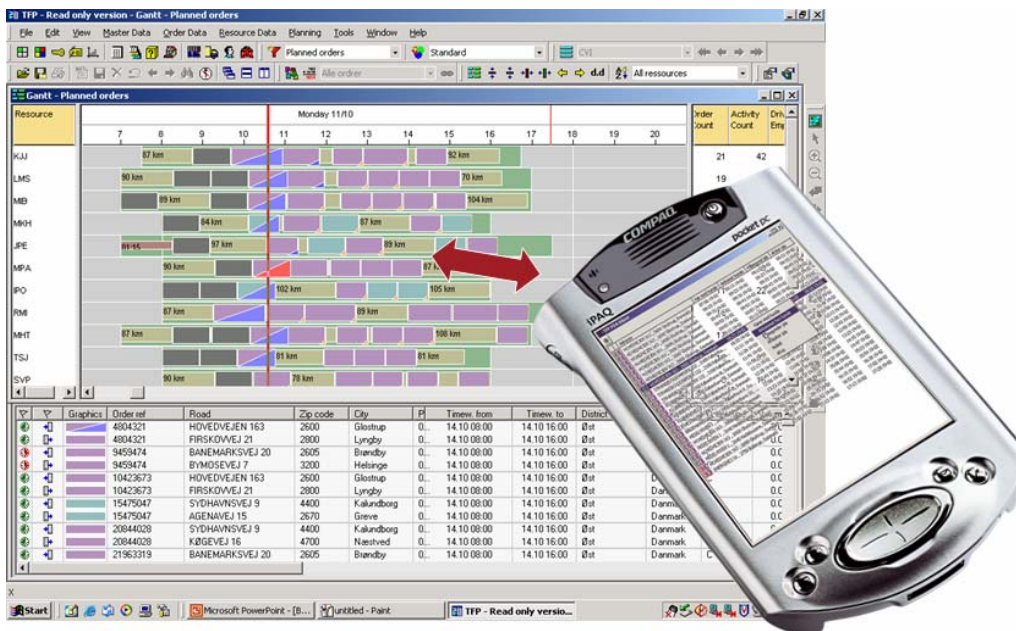


## Transvision Fleet Planner REALTIME

The Fleet Planner REALTIME module controls the two way flow of information that passes between the Fleet Planner and any external wireless system. The REALTIME module is employed if the resources are equipped with mobile hardware enabling electronic data exchange between the office and the resources. The REALTIME module is able to provide:

- A display of the actual position of the resources in the map or their full GPS trail in a specific period of time.
- Manual or automatic reporting of tour lists or changes to these to the resources' mobile units.
- Receipt of status reports from the resources' mobile units regarding accept of order, time of arrival, finished orders etc.
- Manual updates to status changes, should full integration not be needed.
- Update and consequence calculation of the Gantt-chart plan from status reports.

The REALTIME module can be employed without the OPTIMISER module, but it will naturally be most effective if automatic event driven optimisation is carried out as a combination between the two modules.



For more information please consult Transvision's web-site: [www.transvision.eu](http://www.transvision.eu) or call our Benelux main office: +31 79 371 61 76