TourSolver

The solution for optimised rounds itineraries

TourSolver is a software which enables you to automate and optimise the management of your rounds itineraries while complying with resource and client need-related constraints. TourSolver is easy to use and the ideal solution for small and medium enterprises wishing to adopt a simple tool with a fast return on investment.

Optimisation

Thanks to its optimisation algorithms, TourSolver generates the most profitable organisation and routes while taking account of customer constraints, human resource-related constraints and each vehicle's specific characteristics.

Simplicity

Easy to use, TourSolver is accessible to any kind of user. The user-friendly interface makes it easy to pick up. No particular expertise is required, a wizard guides the user step-by-step: scheduling is a matter of a few clicks!

Benefits

Reducing as it does distance and travel time, TourSolver enables you quickly to score some major wins: 15% reduction in mileage and associated costs, greater productivity, better customer service, lower CO_2 emissions ...

Interoperability

TourSolver is also available in web service format. The geocoding, route calculation, optimisation and display features can be integrated with any information system.

Discover the main features of TourSolver

Constraint management

The optimisation is configured directly and simply from the dedicated software interface. Numerous constraints are taken into account, be they customer-related (opening hours, call frequency, required expertise…), mobile personnel-related (working hours, overnight stays, driving time legislation...) or vehicle-related (capacity, loading time, traffic constraints…).

Configuring costs

To ensure the closest possible optimisation to the user's activities, operational costs are also configured: hourly costs, fixed costs whether the vehicles are used or not, overall cost per mile or by distance threshold, fixed cost per call…

Scheduling

Once the activity has been modelled, the user monitors the optimisation on the scorecard in real-time and can drag and drop customers from the unscheduled list into the schedule (and vice versa) and, in an emergency, directly amend the call sequence in the Gantt chart.

Cartographic display

TourSolver is an add-on module for MapPoint, Microsoft's geographical visualisation solution. This software enables you to view the optimised tours in a user-friendly environment made up of high quality cartographic data.

Rendering of the road network

For efficient optimisation, the software is based on comprehensive and accurate cartographical data: sides of the street, specific traffic characteristics related to the vehicle profile (car, heavy goods vehicle, etc)…

Road statistics

TourSolver takes account of the anticipated traffic fluidity, based on road statistics. This ensures the tours generated are more realistic.

Efficiency on the ground

To increase the efficiency of the teams on the ground, TourSolver enables you to export the schedules and itineraries of each of the drivers in Excel, Word or text format with the journeys displayed on the map. The optimisation results can also be sent to vehicle tracking services, navigation systems or electronic diaries.
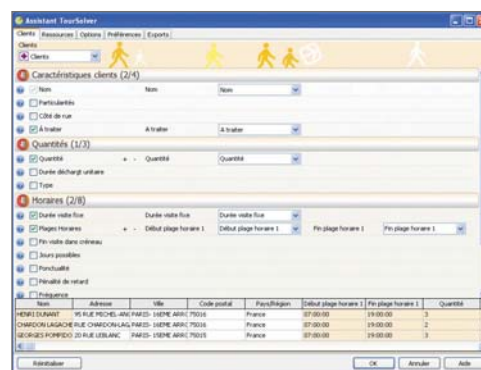
Effective optimisation in 4 steps!
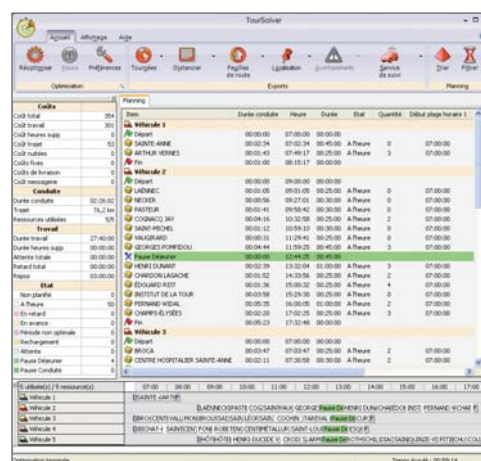
❶ Customer and vehicle positioning

based on the addresses from the Information System or text files or spreadsheets.

❷ Configuring the optimisation

❸ Initiating the optimisation

❹ Exporting rounds schedules and itineraries

in road map format, to on-board devices (TomTom, Garmin, Masternaut...).