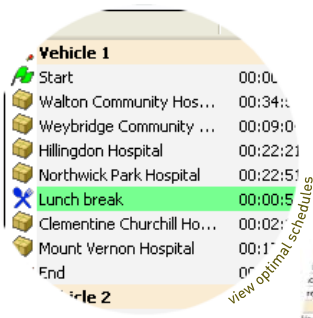


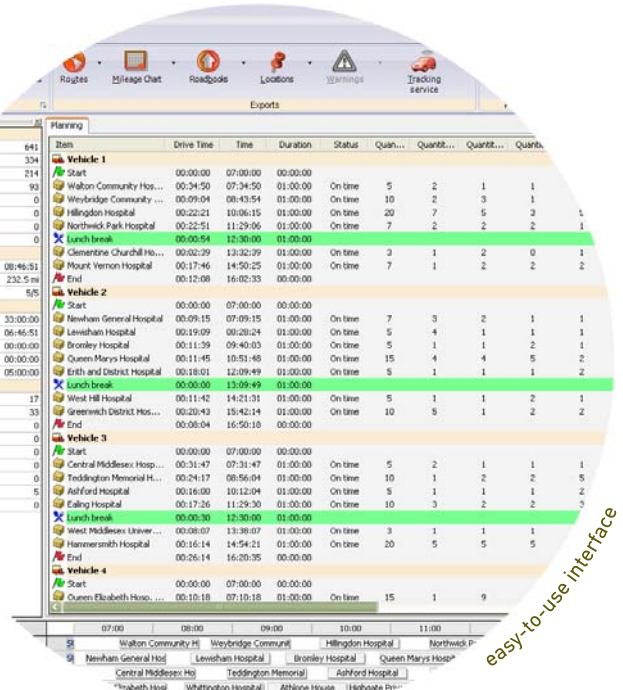
Revolutionise the way that you cost, plan, implement and control visit schedules with Geoplan TourSolver.



plan optimal routes



view optimal schedules



easy-to-use interface

TourSolver is a routing system that schedules optimal itineraries for your field personnel or vehicle fleet. TourSolver is designed to enable field-based personnel management and can take into account business rules, working rules, skills and agendas.

TourSolver works by calculating the lowest cost route considering both distance and time in order to save you money. TourSolver can consider a combination of customer and resource restrictions to plan the most effective visit schedule using your own business rules.

**Key Tasks**

- Calculate optimal routes for visit cycles that represent the most efficient and cost-effective route for visiting a set of locations.
- Analyse cost summaries that make analysis of efficiency straightforward and allow easy comparison between routes.
- Create Maps, Schedules and Directions for each resource for each day.
- Generate reports for internal management review.
- Schedule quickly with a few clicks.
- Link with diary systems such as MS Outlook to view your schedule for up to 3 months.

**Key Features**

- Delivered as a standalone desktop solution as standard.
- Flexibility to create a bespoke, integrated or online solution to complement your existing systems.
- License cost is based on the number of vehicles/resources to be planned.
- Delivered using a consultancy-based approach that enables our experienced team to help you generate the most effective results and leverage the full return on your investment.
- Easy-to-use interface.
- Help icons provide on-the-spot assistance for each option, reducing the training requirement.

**Key Benefits**

- Cut vehicle costs by 20% on average and increase productivity.
- Pre-calculate the costs and efficiency of routes.
- Compare current routes with optimal itineraries.
- Calculate your return on investment.
- Reduce mileage and maintenance costs.
- Reduce CO<sup>2</sup> emissions.
- Reduce fuel costs.
- Easy distribution of schedules.
- Deploy your resources more effectively.
- Reduce staff absence and stress.
- Increase time with customers.

**What our clients have said...**

*Management* - "We have seen the benefits of TourSolver straight away and secured immediate efficiency savings from our representative base and their activity, while increasing customer service."

*Representative* - "Initially we thought it would not be possible to do more and still service all calls but this solution has proved that it can be done - easily."

(Ronseal)

"The solution has proved both cost-effective and efficient and has enabled LBM to add to the portfolio of services offered."

(LBM Services)

DESCRIPTION	PRICE
Geoplan TourSolver (Desktop Solution)	From £3,000



Costs	
Total cost	641
Work cost	334
Overtime cost	214
Distance cost	93
Overnight cost	0
Fixed costs	0
Delivery costs	
Other cost	

optimise visit costs

Status	
Unplanned	17
<input type="checkbox"/> On time	33
<input type="checkbox"/> Late	0
<input type="checkbox"/> Ahead of schedule	0
<input type="checkbox"/> Non-optimum	0
<input type="checkbox"/> Reload	0
<input type="checkbox"/> Visit wait time	0
<input type="checkbox"/> Lunch break	5
Rest	

view visit schedule status

Vehicle 2 Day 1	
Customer	Drive Tim.
Start	00:00:00
Newham General Hospital	00:09:15
Lewisham Hospital	00:19:09
Bromley Hospital	00:11:39
Queen Marys Hospital	00:11:45
Erith and District Hospital	00:18:01
Lunch break	00:00:00
West Hill Hospital	00:11:42
Greenwich District Hospital	00:20:43
	00:08:00

view schedules in Excel

## Map Base

- Microsoft MapPoint is used for mapping data and routes.
- MapPoint contains basic mapping for Europe including roads, geographical features and points of interest.
- TourSolver is compatible with Navteq and Tele Atlas map bases as standard although other map bases can be supplied if required.

## Data

- TourSolver uses the annually updated NAVTEQ UK road network to calculate routes.
- Both street and road level coverage for the UK including the Isle of Man and the Channel Islands.

## Key Features

- Excellent user support.
- Product is constantly kept up to date and accurate, with updates automatically provided.
- Schedule optimal routes quickly with a few clicks.
- Consider resource, visits, costs and vehicles in detail to simulate your specific business scenarios.
- Analyse the cost of routes and the impact of changing working practices.
- Create report output for managerial review or use by the resource in the field.
- Deploy your resources more effectively.
- Annual updates available.

## Functionality

Control different parameters in order to plan results effectively for your business:

- **Resource Constraints**
  - Specify the working hours for each resource.
  - Choose to allow overtime.
  - Define the timing and duration of breaks.
  - Specify the number of working days for each resource
  - Hourly/daily resource.
  - Overtime.
  - Overnight stops.
- **Customer Constraints**
  - Define a specific length for individual visits.
  - Specify particular time windows for certain visits.
  - Choose which day to visit a particular location.
  - Stipulate the frequency for visiting each location.
- **Vehicle Attributes\***
  - Specify the type of vehicle such as car or van to adjust road speeds and take road restrictions into account.
  - Set the capacity for each vehicle.
  - Adjust average driving speeds on different road types to closely match the software to your business reality.
  - Traffic statistics.
  - Driving hours legislation.
  - Multi-depot management.
  - Vehicle width and height.
  - Wide or long vehicles.
  - Vehicles with Trailers.
  - Hazardous/Inflammable/Polluting materials.

\*subject to geographical availability.

## Optimising Routes

- Routes are optimised taking into account the constraints used and the road network.
- View an overview of the routes on a map.
- Review the schedule to assess the results.
- Make changes to the constraints if required.
- Re-schedule with a single click.

## Cost Analysis

- Analyse the cost of the schedule.
- Monitor working, distance and travel costs.
- Compare costs against your current outgoings to determine wastage.
- Run several scenarios to assess the impact of changing your business rules.
- Get the best return from your resource.

## Printing Reports

- Generate Reports based on the optimal routes.
- View a map, schedule and directions for each resource for each day in the call cycle.
- Create a master report to show the schedule for all resources.
- Distribute reports to your resources by email.
- Export results as a text file for upload into your Database, MS Outlook or Tom-Tom.

## Integrated Systems

- Geoplan can create a bespoke system that uses TourSolver to generate optimal routes.
- System can integrate into existing software or be designed with a bespoke interface depending on your requirements.
- System can be based on a server, online, desktop or integrated within another application.

## Tom-Tom Visit Manager

- Add-on module to the TourSolver system.
- Upload the visit order created by TourSolver.
- Show, select and sort appointments.
- Select and locate visit locations on the Tom-Tom device.
- Check location and proximity of the next visit.
- Log visit details to confirm arrival and departure times.
- Calculate Traveltime and route to next visit.
- Range of field-based tools allow the user to change and move appointments.
- Warnings displayed to make you aware of potential late arrival, allowing you to phone ahead.