

# FasterRoute.NET

## Innovative routing toolkit

Finding the quickest route from A to B is easy these days with plenty of internet sites offering simple routing services. However, finding the shortest route to visit multiple sites (the "Travelling Salesman" scenario) or the most efficient way to traverse all roads within an area (the "Postman's Route" scenario) is something these web services do not generally offer.

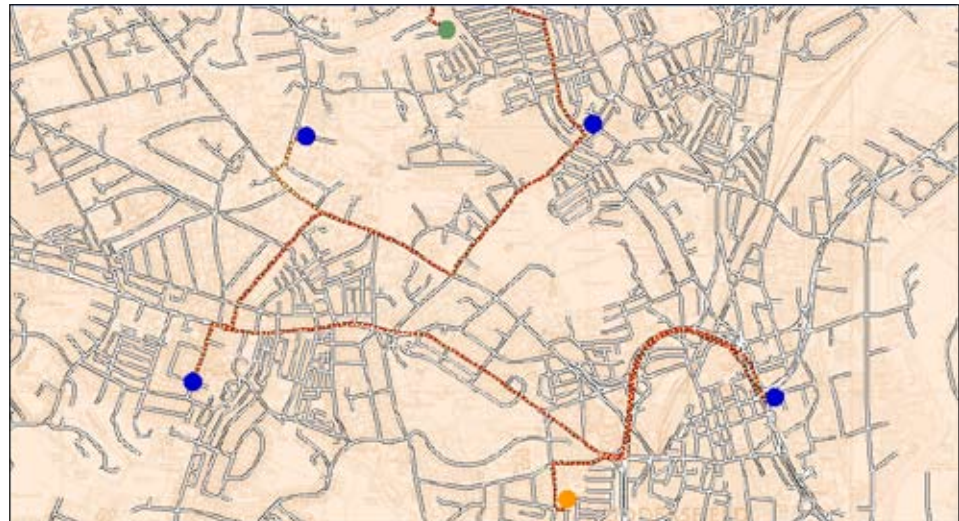
FasterRoute.NET from Innogistic is an innovative bolt-on routing package designed to make life easier for people on the move by saving time, cutting out frustration and ultimately saving money.

### What is FasterRoute.NET™?

FasterRoute.NET is a powerful web based routing toolkit which can be integrated with many popular desktop GIS, intranet and internet sites via a web service interface.

Combining state of the art data indexing techniques with the latest in algorithm optimisation, FasterRoute.NET is designed to offer a choice of powerful routing tools to give the maximum benefit to anyone or anything going out on the road.

FasterRoute.NET is designed to work from a wide range of data sources, including OS MasterMap® Integrated Transport Network™ (ITN) layer as well as other proprietary network data. FasterRoute.NET can also work on captured data such as footpath/pavement information.



An example of FasterRoute.NET "Travelling Salesman" routine with multiple visit points

### What makes FasterRoute.NET™ different?

FasterRoute.NET is not just designed to get you from A to B, it is designed to address a whole range of route optimisation techniques.

- The Travelling Salesman Scenario
- The Postman's Route Scenario
- Written directions
- Where is my nearest?
- Travel Time Analysis

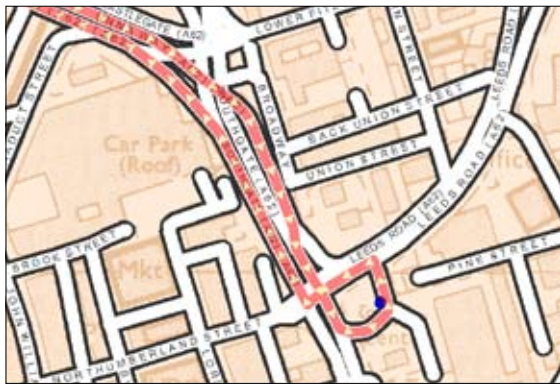


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## Key Features



A configurable routing display from FasterRoute.NET



An example of FasterRoute.NET displaying the route using road routing information (e.g. one way streets etc)

### Route Optimisation Options:

- **The Travelling Salesman Scenario.** Working out the shortest route and best order in which to visit multiple sites. This is not just a problem faced by sales staff though, this function can also be used by delivery drivers, maintenance engineers, community transport schemes, health and social workers and even tourists visiting several local attractions.
- **The Postman's Route Scenario.** The best way to traverse all addresses or roads in a specific area is not just a problem faced by postal workers, this function can also be used for optimising routes for refuse and recycling collection vehicles, gritting lorries, busses, street cleaning and even newspaper or leaflet distribution
- **Written directions.** As well as showing the routing on the detailed mapping of your GIS, FasterRoute also provides written directions to guide the user around the route.
- **"Where is my nearest?"** function. Identifies the nearest relevant site to a start point. E.G. the nearest Gym to the office, or nearest bus stop to a proposed new supermarket.
- **Travel Time Analysis.** Allows planning of routes with set parameters within a specified travel time - for example, find a safe route to school which is well lit and takes no longer than 10 minutes, or find a restaurant within 5 minutes drive from a motorway junction.

### Potential Uses/Functions

- Maximising the productivity of mobile staff with visit planning, collection and delivery routes, maintenance engineers, community transport schemes, health and social workers, sales calls etc.
- Minimise the fuel and other running costs of vehicles by planning fastest or most efficient routes such as refuse and recycling collections, gritting lorries, street cleaning, utilities meter reading.
- Safe Routing for pedestrians including "well-lit, safest, fastest etc" routes such as cycling routes, safe walks to school for children, footpaths in nature reserves with minimal impact on wildlife.
- Catchment area planning for schools, retailers, transport companies, mobile communication masts placement etc.
- Configurable to allow customised web front end for dissemination of information to public and customers

