Getting there quicker with Geotracker.

The London Ambulance Service (LAS) deals with approximately 5,400 emergency calls a day and has more than 250 vehicles on duty at any one time. To monitor ambulance crews’ locations and to enable a fast response to emergency calls, the LAS developed Geotracker; a real-time web-based mapping solution using detailed Ordnance Survey mapping data available through the Public Sector Mapping Agreement (PSMA).

“Taking the ITN dataset for London at its basis, the Geotracker routing engine adds value by using historic road speeds on each link, and a sophisticated algorithm to determine current holes in ambulance coverage. By having access to this visual data, control staff are able to actively redeploy units to maximise performance potential.”

JOHN DOWNARD, ASSISTANT DIRECTOR IM&T
What were the challenges?
- Maintaining an overview of vehicle locations.
- Directing ambulance crews to predetermined standby points across London.
- Predicting incident hotspots and suggesting areas that should be covered.

What was the solution?
Geotracker is a key performance monitoring tool, which has helped direct ambulance crews to pre-determined standby points across London.

Its sophisticated built-in routing engine continually calculates where ambulances can get to within eight minutes.

The accuracy of the routing engine predictions is enhanced by using historic ambulance road speed data and the Integrated Transport Network (ITN) Layer. Its comprehensive reports allow managers and operators to monitor ambulance coverage across London. The system also actively measures overall demand on the service and indicates when increased demand could affect LAS resources.

What were the outcomes?
- Real-time map display of London’s ambulance and car coverage.
- Predicts incident hotspots and detects gaps in ambulance coverage.
- Allows users to drag and drop vehicles to test coverage and dispatch vehicles.
- Accessible anywhere on the London Ambulance Service network.
- Fault tolerant web-based map system.
- Geotracker uses external and internal map sources for resilience and diversity.
- Uses open standards for interoperability, for example WMS map sources.

Are you a public sector organisation?
The Public Sector Mapping Agreement (PSMA) includes a range of mapping datasets, which are free at your point of use, helping you to make further cost savings and efficiencies. To find out more, and discover how to start making savings, visit: os.uk/lasgeotracker