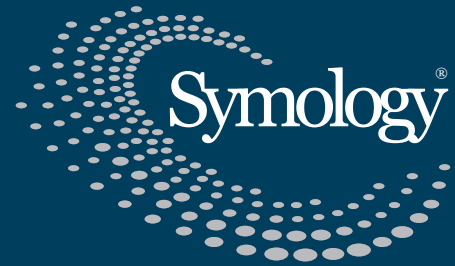# Insight Mobile

Summary

Insight Mobile software combines unparalleled software functionality, together with the latest technology and communication options.

All the requirements for multi-disciplined inspectors are provided within a single, easy to install application. The software, which is wholly developed by Symology, offers guaranteed compatibility with the following Insight modules:

• Street Gazetteer
• Asset Register & Networks
• Customer Service
• General Maintenance
• Works Ordering
• Works Management
• Cyclic Activities
• Street Works
• Licences
• Condition Surveys

No set-up work is necessary on the mobile devices; simply making the connection with the Insight server ensures that the devices will "auto-program" to be compatible.

Once implemented, Insight Mobile requires no further "back-office" intervention is required as the upload/download of data is undertaken by the Inspector. The inspector can initiate a "receive new data" at anytime.

Insight Mobile is designed to work without the requirement for an "always-on" connection. Data is sent and received between the Insight server and the mobile using web services (XML/SOAP) technology. So long as the Insight Mobile software can connect to the web service, be it by 4G, 3G, Wi-Fi or even connected via USB to a PC, then data can be exchanged.

All types of inspections and condition surveys are accommodated, as well as the ability to record defects found as a result of an inspection or any ad-hoc defects that are encountered.

The types of inspections and condition surveys that can be accommodated by Insight Mobile include but are not limited to:

• Highway Safety and Service Inspections
• Street Works Inspections
• Customer Service generated Inspections
• Post Work Quality Inspections
• Measure Inspections
• UKPMS CVI, DVI Inspections
• Street Lighting Electrical Test Surveys
• Bridges/Structures – General and Principal Inspections

Key Features

Symology-developed mobile software

Guaranteed Insight compatibility

Automatic set-up from Insight modules

Two-way transfer of spatial data between mobile and central Insight system

Ability to plot points, lines and polygons

GPS satellite positioning

Wide range of device options

Ability to take photographs and attach them to records

XML/SOAP Web Service Interfaces

Facilities for Clients & Contractors

GPS Tracking and Route Tracing linked to Insight GIS

Dynamic Inspections Due mapping layer

Ability to download "Works In Progress" on-demand

Ability to download digital files associated with existing records on-demand

Software designed for optimum operation on tablets running Windows 7 or 8

Modern user interface with touch controls such as "swipe to scroll" and "pinch-to-zoom" mapping

On-going works-in-progress (including Utility Works) can also be downloaded onto the mobile – either in bulk or on-demand in relation to the entity currently being viewed by the inspector.

These facilities enable the inspector to check the status of records (and update if necessary) that are currently "on-going" and have already been recorded in the central Insight system.

In addition to the above, Insight Mobile also provides the capability to collect new asset data, or download existing asset data and carry out updates.

If the Works Management (Basic Edition) module is being utilised by the Contractor then the Insight Mobile software can be used by the gangs to receive allocated works, record status updates, record audited messages with associated photographs, send Street Works start/stop notices and record completed works details.

If the Advanced version of this module is being used then the Insight Mobile software extends to allow the gangs to also record the labour, plant and materials usage for a given job.

The mobile mapping facilities may be used to select and update existing records as well as for plotting (points, lines and polygons are all supported) the location of new defects, assets etc. Any changes to the representation of existing spatial entities or newly created records with a spatial representation are automatically GIS-linked when uploaded to the central Insight system.

There is the option to use GPS to ensure that the map is continuously synchronised with the current map location. Photographs can be taken and attached to records, and even digital objects already associated with an existing record on the central system can be downloaded to the device whilst out on-site.

GPS tracking facilities linked with the central system GIS (see image below) are also provided, these facilities include the ability to trace the routes that inspectors have been taking.
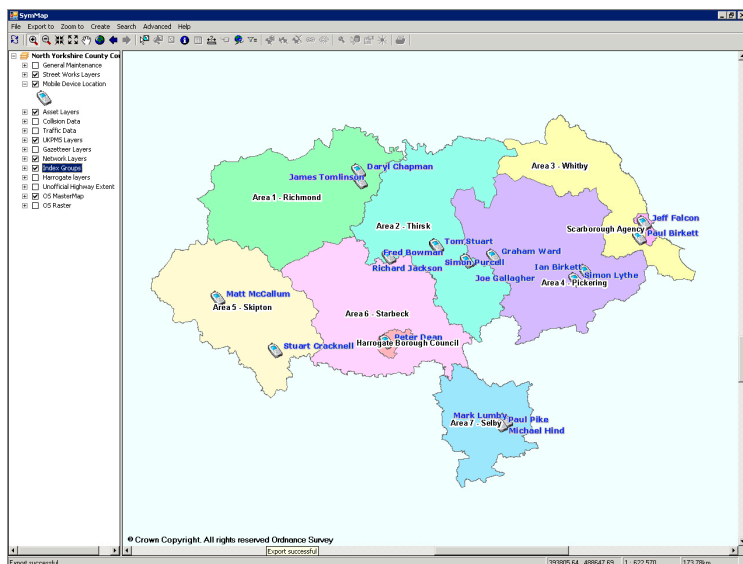
A planned route facility allows the inspector/gang to optimise the route and coordinate different activities to ensure maximum efficiency when on-site.

The Insight Mobile software is designed for optimum operation on touch enabled tablet devices running Windows 7 or Windows 8.