

Asset Register & Networks



Summary

The Asset Register & Networks module provides a comprehensive solution for the storage and management of all asset data relating to the highway network and related land and property.

Whilst the module provides the flexibility to store almost any asset type, specialised facilities are also provided within the module to meet the requirements of specific disciplines such as Highways, UKPMS, Street Lighting and Structures.

In addition to managing asset data, the module provides sophisticated facilities for defining and managing any number of linear network referencing systems.

Networking referencing systems are defined as overlays referenced to the Street Gazetteer. This allows users to access data, using the most suitable referencing system to match their way of working.

The embedded GIS facilities allow assets (whether they are points, lines or polygons) to be represented and managed via a map based interface.

Each asset type can be represented on the map using different symbols. For each asset type, different symbols can be used based on the values of a specific attribute, for example rigid pavements could be represented differently to flexible pavements.

A full suite of GIS based network management tools are also available - enabling networks and their sections to be defined and managed.

A comprehensive bulk report/update facility allows asset data to be analysed in detail, with facilities to define specific attributes, groupings and counts. From the results of these enquiries, the user can choose to apply pre-defined updates, create defects/works orders, put the results into a group which can be used for reporting throughout the rest of the system or instantly generate a map layer.

Asset and network data can be imported into the module using industry standard HMDIF formats or by using Symology's File Import module. Data can be exported in XML, CSV, Excel or Word formats at the press of a button.

XML/SOAP Web Services interfaces are also available - allowing asset data to be shared with external systems or updated dynamically from external sources - such as self monitoring assets or Symology's Insight Mobile software.

Full facilities are also provided to deal with the life-cycle of assets i.e. planned, installed, replaced etc. Valuation of assets in accordance with CIPFA, HAMFIG and IFRS standards is also provided.

Key Features

Highly flexible, user-definable Asset Register

Multiple Linear Network Referencing systems

Integrated GIS tools

BS7666 Integration

Specialised facilities for Highways, Street Lighting, Structures and UKPMS Engineers

Hierarchic asset representations

Shared attribute concepts

Unmetered Supply Extract Report

TR22 Condition Indicator Report

Bridge Condition Indicator Reporting

Sophisticated bulk report/update

Statistical analysis and spatial queries

Links with Customer Service, Inspections and Works Ordering

Asset Type - access level security

Comprehensive update audit trail

Web Service Interfaces with mobile devices and other external systems

Asset life-cycle management facilities

Asset Valuation (in accordance with CIPFA/HAMFIG/IFRS)

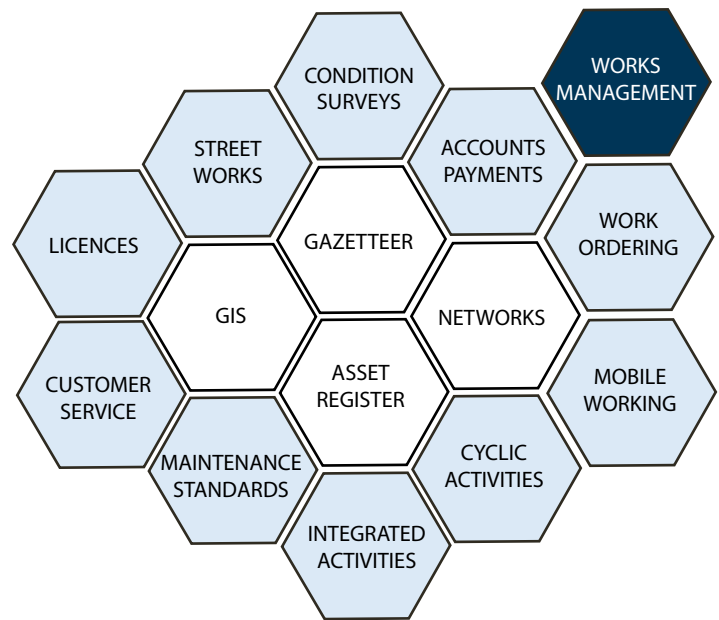
Enables whole-life costs to be ascertained

Insight comprises a range of highly integrated modules that can be used in various combinations, to provide individual solutions for the areas shown on the diagram in beige.

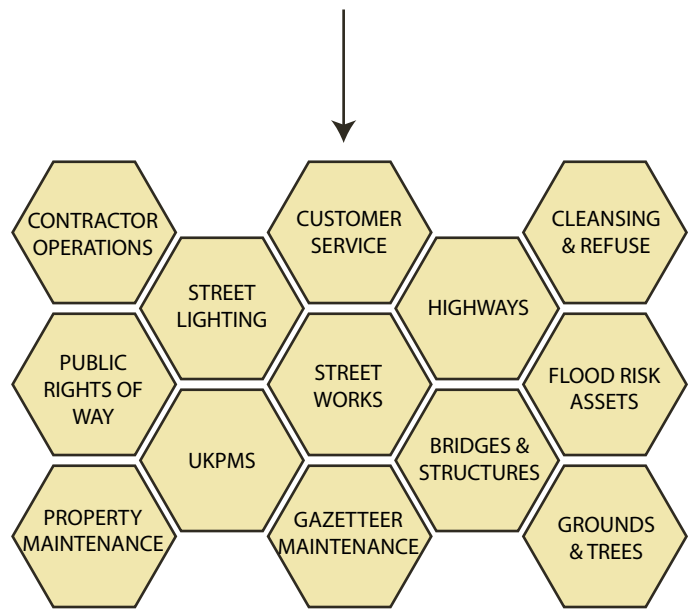
In total, the system provides the capability to manage ALL of these solution areas as part of a single integrated system.

This offers the opportunity for cost and efficiency savings (in line with the Gershon review), by streamlining operational practices and reducing the number of systems used to manage these areas.

Further savings can also be realised, since only one set of interfaces are required to be established and maintained with external and corporate systems.

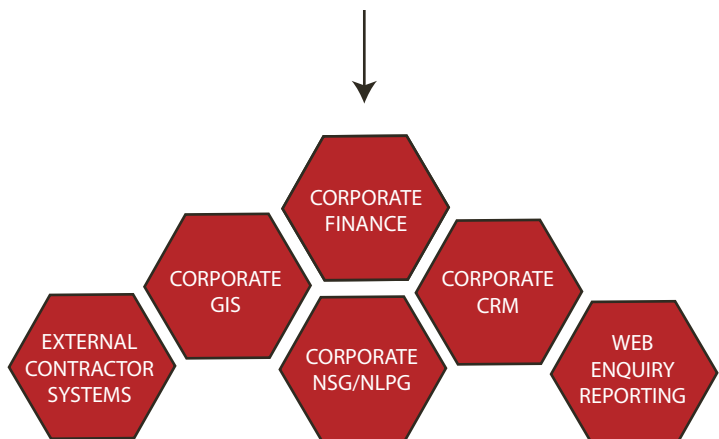


MODULES



SOLUTION AREAS

WEB SERVICES (XML & SOAP)
COM and ODBC



CORPORATE/EXTERNAL SYSTEMS

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