

# Online services

## Getting results from your spatial information

**Orla Power**, marketing director, eSpatial

Up to 80% of information used by business and government worldwide has a geospatial or location context. Spatial intelligence brings the ability to visualise information in maps, networks and models, thus providing an intuitive interface for analysis, not available when dealing with traditional alphanumeric data.

eSpatial's vision is 'spatial intelligence in every application, on every device for every user'. Their mission is to make this a reality by delivering the phenomenon of spatial intelligence to the widest possible community by providing cost effective spatial technology that can drive the development of the market. With ten years of spatial experience in delivering sophisticated and powerful web applications, their global partner and customer base is continuing to grow. iSMART, their award winning software suite, is the most comprehensive solution to complement Oracle's Spatial technology platform and is fast becoming the first choice for Oracle Spatial.

### eSpatial in the public sector

eSpatial has an established history of providing government focused geospatial solutions built on iSMART technology facilitating the timely and efficient management, maintenance and dissemination of spatial information. This is in part achieved through the integration with existing IT infrastructures. iSMART addresses the need to deliver government services online, either internally or to the public. Within the spatial context, this would be impossible using traditional GIS systems alone. eSpatial recognises that the use of geographic information can deliver significant cost efficiencies and increased service levels throughout the public sector. iSMART provides a suite of web deployable off-the-shelf tools that publish, query and edit both spatial and attribute data. This enables the rapid delivery of value add applica-

tions without the burden of deploying costly desktop based technology.

eSpatial has implemented systems for the departments of agriculture in Ireland, Greece and Portugal as well as local government customers in the UK including Leicestershire County Council, Hull City Council and the Countryside Council for Wales.

Worldwide eSpatial has worked with major government organisations in the US such as the Department Of Defense, United States Air Force, the City of Houston, the National Oceanic and Atmospheric Administration (NOAA) and the US Geological Survey (USGS). Commercial customers include Jeppesen Aviation and the Shaw Group in the USA, and British Telecom in the UK.

### Case study

#### Hull City Council

eSpatial and Hull City Council (HCC) implemented a web solution enabling the delivery of Geographic Information (GI) internally throughout HCC as well as to the general public. The solution is based on a corporate spatial database providing internal departments with shared access for viewing and analyzing spatial data to support the council's location dependant decision making. The solution delivers on the vision of online spatial services in line with the core theme of transformational government - a government initiative to use interactive capabilities to deliver services to citizens and businesses that make a real difference to peoples' lives.

### The challenge

HCC required an intranet solution to provide internal departments with online access to a shared environment detailing all location based assets throughout the city council and to support the ability to query and analyze information. HCC also required integration with its public

website to provide valuable information to the general public in compliance with G5 – corporate public display of GIS based information. An immediate requirement was priority outcome G14, to map and publish Streetworks information, in line with an approaching deadline (4 weeks). There was also a requirement for a framework to extend these online services to include the public reporting of incidents such as abandoned vehicles, a solution for viewing and analyzing information such as property details and the flexibility to integrate with business systems such as a CRM.

### eSpatial's solution

eSpatial, working with HCC, implemented a customised online interactive mapping solution based on iSMART to enable HCC to publish, share and manage Streetworks information in compliance with Priority Outcome G14. This solution was up and running within four weeks. The application was recently extended to include additional functionality in line with HCC's objectives and specific requirements around emergency management.

Richard Liversedge, head of ICT & e-Government, Hull City Council said: "HCC now supports both existing and new applications in a single data store greatly reducing data duplication and enabling us to roll out applications based on eSpatial's iSMART that add real value to both the internal processes and how we deal with the general public."

This is a great example of how online mapping solutions can provide access to operational data and support city wide spatial based decision support in a controlled and cost effective manner.

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