



Ordnance Survey  
Southampton, England  
www.ordnancesurvey.co.uk

**Industry:**

Public Sector

**Annual Revenue:**

US\$200 million

**Employees:**

1,500

**Oracle Products & Services:**

Oracle Database  
Oracle Spatial  
Oracle Real Application Clusters  
Oracle Application Server  
Oracle MapViewer

**Implementor:**

Oracle Consulting

**“Oracle Spatial helps us simplify management of spatial data, and speed the development of spatially-enabled applications.”**

– Tim Warr, Principal Consultant,  
Ordnance Survey

**Ordnance Survey Boosts Performance with New Geographic Information Systems**

Great Britain’s national mapmaker for more than 200 years, Ordnance Survey provides local councils, utility companies, and private sector organizations with the most comprehensive, reliable spatial datasets in Britain. Its flagship product, OS MasterMap®, provides customers with highly detailed digital mapping coverage of any area within Great Britain, including buildings, roads, and landmarks.

**Challenges**

- To replace multiple, specialized, application-based geographic information tools used to manage spatial data with a single solution that enables multiple applications to share information
- To speed the development and deployment of spatial applications
- To reduce maintenance costs by eliminating the need for training Ordnance Survey support staff in multiple spatial data management technologies

**Solution**

- Implemented Oracle Spatial as a foundation for deploying enterprise wide spatial information systems
- Chose Oracle Spatial for its data management capabilities for location information such as road networks and geocoded customer addresses
- Selected Oracle Spatial for its server-based location services capabilities that enable location data to be shared between business processes and applications within a single database environment and be used to develop spatial applications rapidly
- Using Oracle Spatial to index the 500 million spatial features on OS MasterMap®
- Benefiting from Oracle Spatial’s built-in validation functions to validate spatial features immediately after loading
- Using the spatial add-on for SQL developer in Oracle Spatial to monitor the loading process and track features as they are loaded into the database
- Using MapViewer, a map rendering and viewing component of Oracle Spatial, to visualize spatial data within the publication environment