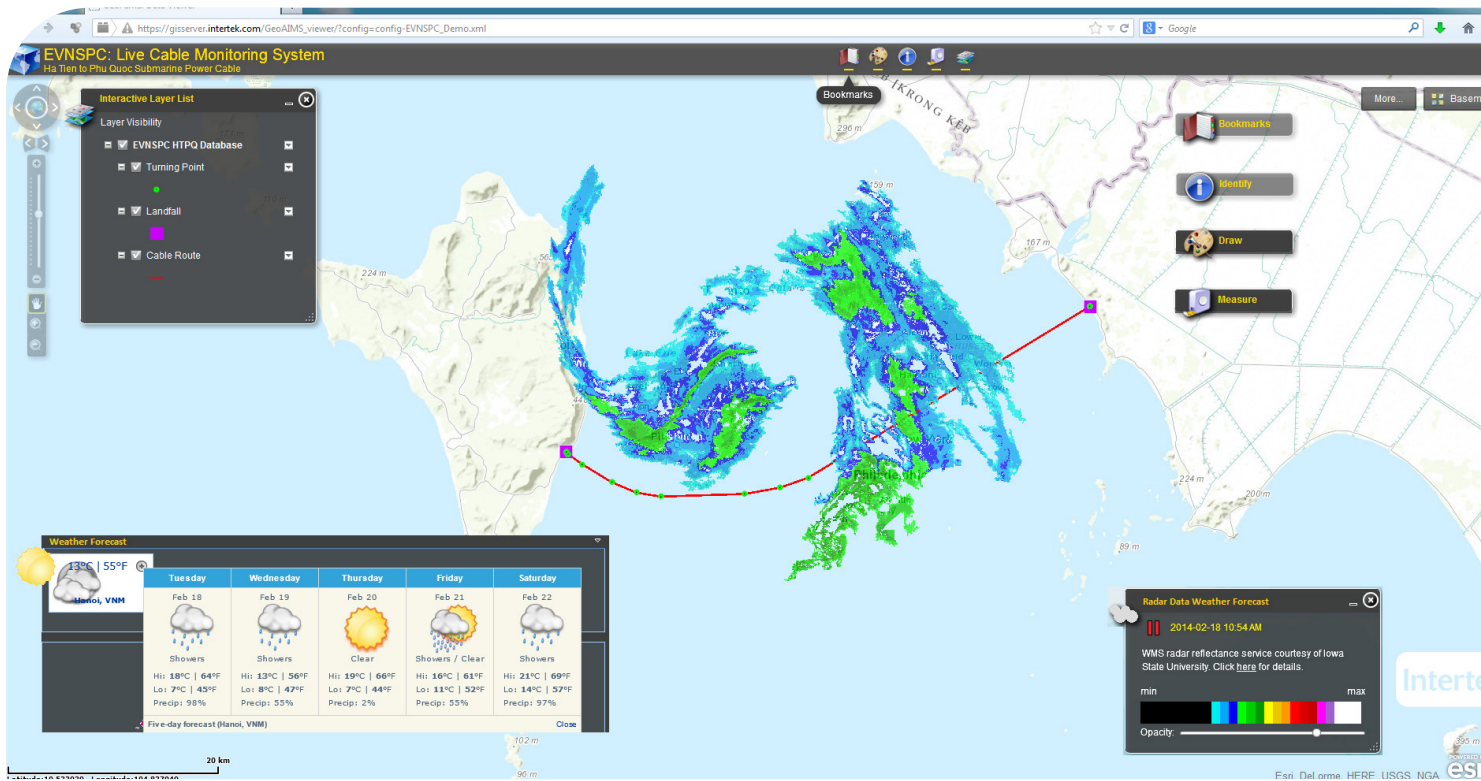


# GIS Services

## Real-time Operation and Maintenance



Valued Quality. Delivered.

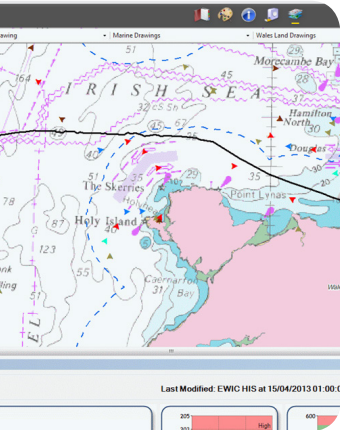


Intertek's team of GIS specialists and developers, carry a breadth of experience in the capture, visualisation, validation, management and manipulation of geo-spatial data. Our bespoke real-time tools can enable you to use real-time data in everyday decision making.

GIS is a powerful analytical tool for spatial data. Real-time data feeds and sensors can be utilised to incorporate up-to-the minute data to the management of your asset.



Reducing cost & securing compliance



At Intertek we have developed a variety of bespoke solutions using real-time data. The solutions are used to provide operation and maintenance of assets and visualisation of real-time conditions. This includes the following real-time information:

- Vessel traffic movement
- Meteorological data
- Asset operation information
- Satellite imagery

These real-time tools can be integrated within our Geographical Asset Information Management System (GeoAIMS) to provide additional functionality. The real-time information can be interrogated and analysed to determine trends and identify operational performance.

#### Project example

- EirGrid Live Cable Monitoring System. The system provides live asset management of power transmission between Ireland and the UK, monitoring of vessel movements within the assets vicinity and recording of operational performance.

During a survey campaign our systems can track the progress of a survey vessels movement and provide vital information to monitor the surveys progress.

We also deliver bespoke web solutions for dynamic modelling, database management and GIS viewers, using state of the art tools including ASP.Net MVC3, SQL databases, Flash, Python, Matlab, C# and VB.Net.

#### Project example

- Yorkshire Water beach management system (BMS). The system executes prediction model using coastal model data, network model data and real-time meteorological data to provide short-term prediction of water quality at beaches. It helps to identify specific assets impacting the beach water quality.

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