Total E&P UK

Case Study: Developing a Web GIS Portal

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Challenge

TOTAL E&P UK Limited (TEPUK) is one of the largest operators in the UK sector of the North Sea in terms of production and reserves.Their challenge was to provide fast access to key E&P information to their staff, and share that information between its affiliates working in the North Sea region.

Solution

Exprodat developed a customised web-based GIS system to integrate data from a number of technical data systems.

Results

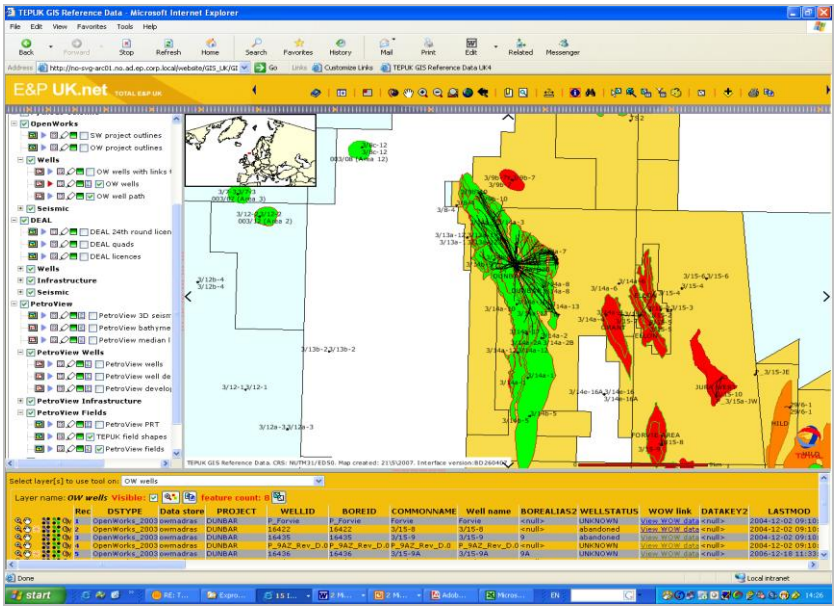
Exprodat adopted a phased approach will allowed TEPUK to quickly establish a fully functional web GIS system, delivering benefits to end users and immediate return on investment, while establishing a flexible framework for further expansion.

ESRI Technology
AUTHORIZED BUSINESS PARTNER

Data access and integration

TEPUK has produced more than 1,600 million barrels of oil equivalent since entering the UKCS, and is set to continue producing for at least another two decades. This requires they have access to all available data required to make critical business decisions.

TEPUK indicated that their main requirement was to provide simplified end-user access to an array of key E&P data sources. This is in line with Exprodat's philosophy of a web-based data 'portal' to all E&P data, providing users with a one-stop-shop to identify what data is available to them for a given geographic entity (e.g. well, field, license, area of interest).



Exprodat's services

Following a thorough review of business requirements, Exprodat delivered a customised web GIS portal based on ESRI's ArcIMS spatial web server product. This provides a simple, intuitive GIS interface across TEPUK's key E&P data sources, enabling map-based data access and query, while integrating the data sources to allow 'drill-down' to more detailed data.

Following the successful roll-out of the web GIS system, Exprodat worked with TEPUK to integrate it with other affiliate's GIS systems to provide a 'North Sea' GIS system. Exprodat also helped TEPUK to plan and implement a desktop GIS system and further leverage their data.