



OMV

Exploration & Production GmbH

The Solution using:

- ArcGIS Server Standard
- ArcIMS
- Web Office
- VALIS



AUT WebGIS

The Company

With group sales of EUR 25.54 billion in 2008 and 41,282 employees, the OMV Aktiengesellschaft is one of the biggest listed industrial companies in Austria and the leading energy group in the European growth belt. Learn more about our roots and values as well as facts and figures. OMV's Refining & Marketing business is number one in the Danube Basin, a growth market of 13 counties with a total population of over 200 million. With a daily production rate of approximately 316,000 boe. OMV is the biggest natural oil and gas producer in Central Europe. With its goal of increasing daily production organically to 350,000 – 360,000 boe by 2010, OMV continues to further strengthen its international core regions.

The Requirements

Preliminary goal of the AUT WebGIS project was the simple and efficient access for all employees of OMV Austria Exploration and Production GmbH to data of the department Surveying and Geoinformation. These data were stored in an application called VALIS.

GIS data of OMV Austria Exploration & Production GmbH have been only accessible through expert applications. The usage of this data in the different expert applications is not possible with their standard functionality. AUTWebGIS should open the access to these data independently of the expert application within a Web browser to all employees independently of their location and also to non CAD or GIS experts. With this application all employees independently of their education or used technology should have access to the GIS data. So the use of the existing GIS data can be enlarged within the complete organization.





AUT WebGIS



The Solution

The data of different sources and applications should be provided within a shared web application to a bigger group of employees.

From the mining mapping application (VALIS) data like facilities, way-leave rights, sensor information, and plan documents are provided. These data were published in a geodatabase based on Oracle Spatial geometry so it can be used by ESRI technology and WebOffice.

Within the WebGIS the data from VALIS are used together with the (ESRI)GIS data (cadastre, Tele Atlas, Orthofotos, topographic maps) and E&P specific data (wells, seismic) that are stored within ArcSDE within a WebOffice project that can be accessed by the users.

Beside the standard functionality like searching, printing, changing layer visibility a bi-direction connection to the OMV ownership database (a desktop application) was realized.

Additional a connection to the existing plan archive (pdf, tiff) of the mining maps was established.

The access rights of these data are handled by the existing WebOffice UserManagement module.

Facts & figures of the Customer

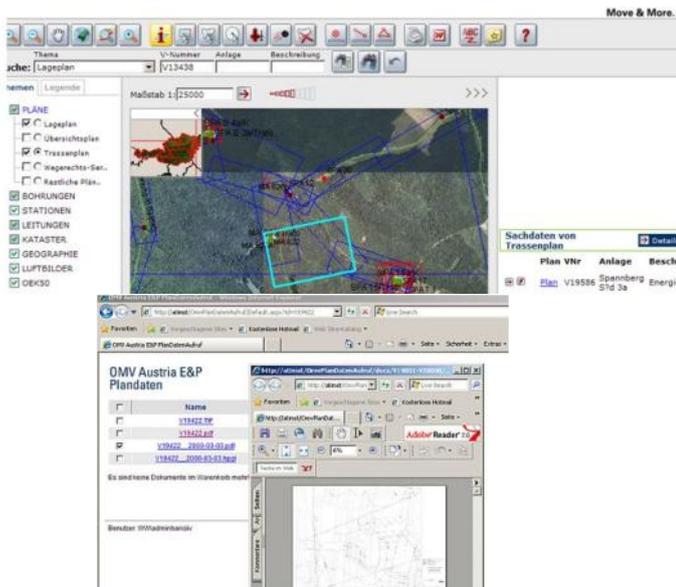
- about 760 E & P employees in Austria
- Invest and Exploration expenditure 2007 about EUR 270 Mio.
- Daily production rate of Oil and Gas about 350.000 boe
- Covering 10% of the Oil and 13% of the need of Gas in Austria

Facts & figures of the solution

- Interoperability with the specific VALIS application
- Use of different storage options of geodata in ArcSDE
- Connection to an existing Desktop application
- Multi lingual
- Integrated process
- User Management

Point of Contact

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