



PETROM

Member of OMV Group

SYNERGIS

OMV PETROM S.A.

Exploration & Production

The Solution is using:

- ArcGIS Server Advanced
- WebOffice 6
- GeoNIS
- ArcGIS Desktop



WebGIS

The Company

With activities in the business segments of Exploration and Production, Refining, Marketing and Power, OMV Petrom had in 2008 a production of 188,476 boe/day.

OMV Petrom has a maximum refining capacity of 8 million metric tons per year, approximately 550 filling stations in Romania and 269 filling stations in Moldova, Bulgaria and Serbia. In 2008, the turnover of the company was EUR 4,552 mn and EBITDA was EUR 969 million. After its privatization in 2004, the company recorded positive results. The modernization process initiated in 2005 is underway in accordance.

The Needs

To find and operate new reserves OMV Petrom must understand needed infrastructure, business condition and environmental factors within a geographic framework.

The implementation of an Enterprise GIS within the organization can optimize the usage of the available data within OMV Petrom.

Starting to build up an Enterprise Geodatabase with data from whole Romania was just the first step. The use of ArcGIS Desktop needs high-level educated GIS professionals and very often the user doesn't need the full desktop GIS functionality. The logical answer for this requirement was the implementation of a WebGIS for the company wide use of GIS data.

Not all users should get allowed to view all GIS data and related entities like documents or scans. Therefore fine grained user role based access control is a must. A strong need for efficient administration tools for being able to manage change requests fast and easily was submitted to handle migration from employees from one branch office to another.



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The solution

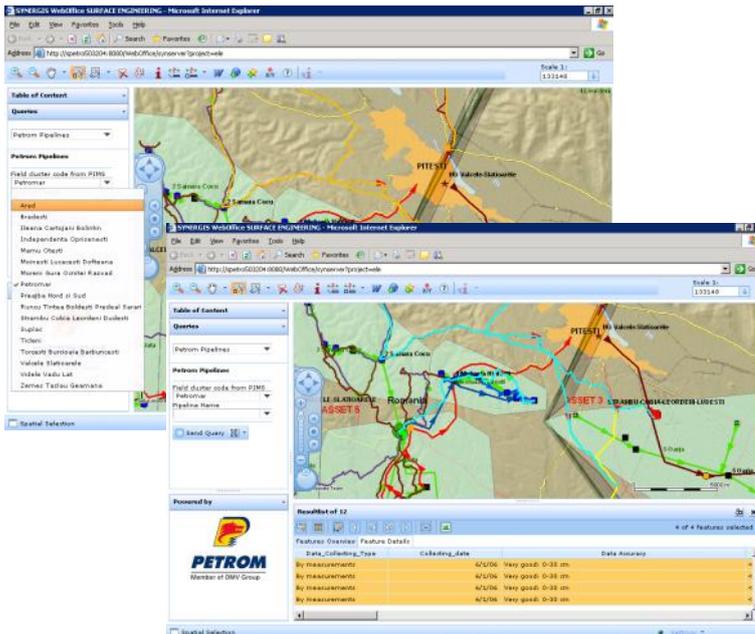
The experience of OMV showed to Petrom that WebOffice from SynerGIS is an optimal solution for the specific WebGIS needs within the Intranet. WebOffice leverages ESRI ArcGIS Server technology by providing a user friendly and powerful user interface and administration tools according to the motto 'Configure and use'.

The access control module *WebOffice user management* was seamlessly integrated within the Petrom user authentication system. This way maintenance of user roles and role assignment to users can be managed with minimal efforts.

The available functionalities of WebOffice client (search, spatial selection, buffering, snapping, measuring, printing etc.) opens the use of GIS not only for geologists and other petroleum specialized people but for all authorized users within Petrom. Because of the self explaining user interface no training at all or just a very short introduction is necessary.

The integration in to the eDMS application (Document Management System *Documentum*) used within OMV group was an important aspect. Using WebOffice, which provides a set of system integration features on database, application and service level, integration of Documentum was another success story within OMV Petrom for WebOffice.

The open architecture of WebOffice enables Petrom to integrate other systems in the future quite easily based on state-of-the-art industry standards like SOAP or REST.



WebOffice 6



Facts & figures about Customer

- 1856 First production of lamp oil
- 2004 Acquisition of 51% share capital by OMV Austria
- 2009 about 550 filling stations in Romania
- Turnover of the company 2008 about EUR 4,552 Mio.
- Daily production rate of Oil and Gas about 188,476 boe/day end of 2008

Facts & figures about the solution

- Data available whole Romania
- 6,5 TB Raster Data
- > 50.000 wells
- > 250 WebGIS Users (estimated > 500 in 2010)

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