

## OMV

Exploration & Production GmbH

### The Solution is using:

- ArcGIS Server Standard
- ArcGIS Server Network Extension
- ArcIMS
- ArcGIS Desktop
- ArcPad
- WebOffice



## WebRouting

### 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 countries 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 Needs

OMV is facing the problem that they are using beside the public road network also their own road network. Especially the access to their equipment are often only available using their private roads. In the internet there are numerous routing applications but all of them have their own road network and they are not extendable with additional road information. The task is to develop an own road network using the standard Tele Atlas road network and the private road network owned by OMV.

Because of the running projects this road network must be adopted over time. These adoptions must be done without any impact in the routing application. The user is accessing the routing application through his standard OMV E&P WebGIS for planning his routes and the further usage of the results of the routing requests.





# WebRouting

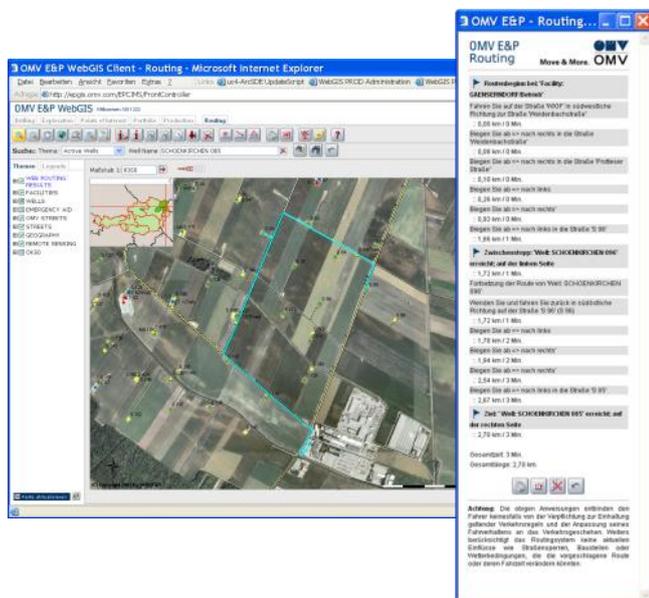
## The Solution

Because of the need to adopt the private road network and to collect the own points of interests there was the need to develop an own routing solution.

The private road network owned by OMV was collected using ArcPad and with ArcMap the collected roads were topologically implemented within the Tele Atlas road network. Additional it was necessary to adopt the attributes of the Tele Atlas roads because the access to the private road network from OMV were often marked as „not traversable“ within the Tele Atlas data.

The topology of the network is generated on the server. The user interface was seamless integrated in the WebOffice application. The user is choosing his addresses he want to approach and the type of vehicle (some roads may not be suitable for specific kind of vehicles) and some more options. These parameters for the route are sent to the Network Extension of ArcGIS Servers; the result will be visualized within in WebOffice and can be printed together with the route description or can be sent per Email to another user.

The solution will be available at the Romanian subsidiary company Petrom also after Tele Atlas will release Tele Atlas road data for Petrom.



## Facts & figures about 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 about the solution

- ~ 1.200 OMV places in Austria (Sensors, Stations, Collectors...) direct Access to the central Geodataserver
- Integration in the existing OMV E&P WebGIS Application across the OMV group
- Different classes for Routing (cars, trucks, emergency vehicles)
- Multi lingual

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