

LUKOIL

RAISING SYSTEM PERFORMANCE AND ENABLING GREATER DATA EFFICIENCY

Challenges

Wide geographic distribution of Lukoil entities necessitated data coordination

Limited integration risked document loss and work duplication

Lukoil was spending too much on maintenance

Lukoil wanted to guarantee ongoing product vendor support

Solution

Corporate data and integration server upgraded to new platform

System transferred to .NET platform with function redistribution

We were able to work around platform issues during upgrade

Integration rules successfully updated with affiliated systems

Moving to new platform made further development work easier

New platform guaranteed ongoing product vendor support

Result

New BizTalk platform enabled Lukoil to improve system performance by 30%

Reduced time and money spent on data maintenance and system integration

Improved accuracy, integrity and consistency of data

Lukoil benefits from much more efficient organisational operations



Client

Lukoil is one of the world's biggest vertically integrated companies for the production of crude oil and gas, and their refining into petroleum products and petrochemicals. The company is a leader on the Russian and 30 international markets in its core business

Challenge

Lukoil, a major international oil and gas company with widely distributed operations, traditionally relies on a large number of information systems for its core and support business processes. However, running those systems demands a high degree of data coordination, and Lukoil's corporate IT department was experiencing difficulties that necessitated expensive and repeated maintenance work. Lukoil had been using Microsoft BizTalk 2002 to manage integration by exchanging business documents within the organisation, but the maintenance and efficiency issues convinced the company to upgrade the platform so as to benefit from greater integration, continued support and bug fix releases from the platform vendor.

- Wide geographic distribution of Lukoil entities necessitated data coordination
- Limited integration risked document loss and work duplication
- Lukoil was spending too much on maintenance
- Lukoil wanted to guarantee ongoing product vendor support

Solution

Our task was to upgrade Lukoil's integrated server and corporate vocabulary from BizTalk 2002 to BizTalk 2006. This involved a system transfer to the Microsoft .NET 2.0 platform, which in turn entailed a redistribution of the system's specific functions. The process of upgrading the system presented a number of challenges. As a very recent release, the BizTalk 2006 platform initially suffered from instability, so we worked around the platform issues while performing the upgrade.



Technology

Microsoft BizTalk Server, Microsoft SQL Server, VMware Server

Type of service

Custom application development, application engineering, application integration

Timeframe

2006 – 2007

Solution (continued)

The integration server was successfully changed from BizTalk 2002 to BizTalk 2006, and integration rules were updated with several affiliated systems, with system data synchronised to enable working coordination with the new integration server. The transfer to the new platform ensured that any future development work would be faster and cheaper, and guaranteed ongoing product vendor support.

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- Integration rules successfully updated with affiliated systems
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Result

After we performed the upgrade to the new BizTalk platform, Lukoil's system performance improved by 30%. The project optimised the interoperation process between applications, removed the risk of document duplication, improved the accuracy, integrity and consistency of data, and drastically reduced the amount of time and financial resources spent on data maintenance and system integration. The upgrade now ensures much more efficient operations for Lukoil all across Russia.

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- Lukoil benefits from much more efficient organisational operations

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