

XpertBI replaces SAP BW in SAP reporting at Det norske



Company information and background

Det norske oljeselskap ASA is a fully fledged oil company with exploration, development and production of petroleum resources on the Norwegian shelf. Det norske is headquartered in

Trondheim, with offices in Stavanger, Oslo and Harstad. Today, they have more than 500 employees.

At June 2nd 2014 the news broke, that Det norske oljeselskap had bought Marathon Oil Norway.



Marathon was approved as an operator on the Norwegian shelf in 2001. In 2003, the company achieved operatorship of the licenses that were to become the Alvheim field, and interests in the Vilje license. In 2008 the production started at Alvheim. Marathon took over operatorship of the field in 2012. The Bøyla field started production in January 2015.

Marathon employees had their first day working in Det norske oljeselskap October 15th 2014, while the effective date for the transaction is January 1st 2014.

IT and ERP concerns in the acquisition

The ERP (SAP) heritage from Marathon Oil introduced a need for SAP reporting and analysis. With time and cost being critical factors, Det norske installed and implemented an evaluation license of Xpert BI. Below is a summary of the business case:

- Background:**
Det norske purchased Marathon Norge, including the Alvheim operation. On the ERP side, Marathon was a 100% SAP domain with SAP BW and SAP Hana.
- Challenge:**
Mandatory reporting from the Alvheim operation based on content from «old» Marathon BW reports after formal take-over by Det norske. Doing a copy of MRO BW solution was not reasonable due to cost, time and technological platform (AIX vs HANA).
- Solution:**
Use Xpert BI together with standard Microsoft SQL Server and BI platform and Excel frontend. Xpert BI handles all data extractions and data loads. SQL Server stores all data and T-SQL transformations. MS Excel used for reporting and data analysis
- Value:**
A **flexible report model** of the entire SAP Finance reporting area together with specified custom reports were available within 5 days of development.

Significantly **reduced investment** cost compared to the unrealistic alternative.

Standard MS Excel reporting on all SAP data through pivot tables

Flexible information management architecture

Having implemented Xpert BI as an ETL tool on top of a MS SQL server platform, Det norske have ensured they have a **flexible and expandable solution**. The first step of their data warehouse solution was to make SAP Finance data available in a cost effective manner. This was done in the beginning of 2015. As a following activity other SAP modules have also been included in the data warehouse and made available for reporting. They have already started to import data from the HR application (OCS) into the data warehouse with a great success.

The data warehouse is a **strategic component** in the information management architecture to ensure control and manageability of all valuable company information in one centralized entity.

Xpert BI enables Det norske to easily expand data loads from existing applications as well as include new applications into the solution without increasing overall solution complexity.



System documentation

Another important feature of Xpert BI that has proven valuable for Det norske, is the **automatic documentation** the system provides. Xpert BI provides data lineage across databases which means that it is easy to track the data origins from the reporting layer to the source application. Xpert BI also stores data mappings and other important metadata related information in the application, which is easily retrieved for both documentation purposes as well as trouble-shooting or change purposes.

For more information, please visit www.bi-builders.com