GLOBAL REPORTS

FOR ACIS

ArcelorMittal

Successful Data Consolidation in SAP Standard with MS SQL Server using Xtract IS by Theobald Software by b.telligent

THEOBALD SOFTWARE

b.telligent

Customer Situation

ArcelorMittal (AM), employing 282,000 staff in 27 countries, is the largest steel manufacturer in the world. Production is targeted to the automotive and construction industries, the market for packaging materials, heavy engineering and the household appliances industry. The global presence in the strategically important regions guarantees short response times for the group. So far, the Controlling Department of the Africa and Commonwealth of Independent States (ACIS) Group at AM operated with linked Excel spreadsheets in order to facilitate a consolidated view of the data from three independent SAP ERP systems. In order to have reports available ad hoc, consolidated and without transmission errors in the future, ACIS has initiated the transfer to a state of the art business intelligence (BI) solution: transnational reports which illustrate the entire sales process and provide automated transparent evaluations on the KPIs should be available.

Task

The sales process in the ACIS Group takes place in three steps: order receipts are handled centrally by AM International (AMI)/ Dubai and then distributed to the plants by the internal purchase organization LNM. After review of numerous variables (production capacities, delivery times etc.) the order is allocated to the most suitable plant. For this project, b.telligent and ACIS decided on a prototype sales process: the order received by AMI is given to the plant in Kryvyi Rih/Ukraine via LNM. Implementation took place at AM Group IT in Luxembourg.

Challenge

The complexity of the project was marked by the various involved SAP R/3 systems and their processes. In particular the different system customizing and the semi-manual order distribution were a great challenge.
Moreover, the Cyrillic character set (Unicode) had to be taken into consideration for the consolidation of the transnational reports.

Approach

After analyzing the existing IT infrastructure, an MS SQL Server constitutes the basis for the development of a data warehouse (DWH). The DWH obtains the data from the SAP R/3 source systems and consolidates them. The decisive point for this decision was the possibility to implement the system connection within the SAP standard and to provide a slim, flexible solution anyway. Subsequently, an analysis of the SAP sources in the modules SD, MM and FI took place in order to implement the necessary customizing in the systems to provide the data.
Together with the departments, b.telligent identified the relevant data. System adjustments were deduced through a comprehensive analysis of the SAP R/3 processes and the existing reports, interface specifications were defined and ETL rules were created. The locational SAP systems were connected to the MS SQL Server via the global company network using the native interfaces which are used by a SAP Business Warehouse.
b.telligent realized access to the SAP standard interfaces through the software component Xtract IS DeltaQ (Theobald Software) which enables a seamless integration of the SAP Business Content into a MS SQL Server environment.

Customer Benefit

Through the connection of a central DWH by b.telligent, group-wide analytical capacities are opened for AM. With Xtract lS, the direct connectivity to SAP R/3 remains. It is very advantageous that because of the work in SAP standard, SOX conformity was maintained and thus, the flexibility of the system for future requirements remains ensured. This was also crucial for the high acceptance of the BI solution.

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b.telligent is a management consultancy specialising in the introduction and development of business intelligence, customer relationship management and e-commerce in businesses operating in mass markets. The focus in this context is the continuous optimization of business processes, customer and supplier relationships by means of the insight gained from the consolidation and analysis of business data across systems. Thus, margins can be increased, costs can be lowered and risks can be better controlled. b.telligent's customers are market leaders in telecommunications, financial services, trade and industry.

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