



CASE STUDY
ANALYTICS SERVICES

ENTERPRISE BI SOLUTION

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Central Data Warehouse and Business Intelligence solution across the whole enterprise

PROJECT OBJECTIVES

Provide a central reporting platform across the whole enterprise, for all sorts of data stored for the long term, primarily sales and financial data (orders, invoices, prices), but also logistics-related data (stock levels, lead times, planning). Data is gathered from more than 10 source systems of various types.

- Enable standard reports for occasional users of the system
- Provide capability for ad-hoc reports for frequent and experienced users of the system
- Automate report delivery via report subscriptions
- Store historical data for more than 10 years
- Support advanced security model (role/row/cell security)
- Daily refresh of data (for some parts as much as three times a day, to cater to Asia/Europe/the Americas)
- Support distribution centers with analysis of logistics data

CUSTOMER BENEFITS

After a short R&D phase, the data warehouse and reporting solution was quickly accepted by the users and there was growing demand to expand the solution to more parts of the enterprise. It became a natural and indispensable system providing information for thousands of users across the organization.

- Better decision-making, especially in the following areas:
 - Increased sales by following targets and identifying better opportunities
 - Improved profitability
 - Enhanced and automated planning process
 - Improved customer satisfaction by analyzing lead times and their phases
 - Forecast future growth
- Quick and easy access of data
- Single version of truth and unified terminology
- Data from various source systems connected together
- Cleanse and improve data quality and consistency in source systems

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IPS EXPERTISE

IPS was involved in all phases and aspects of the project, from consultancy, architecture, implementation, testing, requirements gathering, analysis, expertise in business model, coordination of supporting teams on customer side, maintenance and handling of support questions.

TECHNOLOGIES USED

- MS SQL Server 2016, with the following modules:
 - Database Engine (SSDE)
 - Integration Services (SSIS)
 - Analysis Services (SSAS) and advanced MDX
 - Reporting Services (SSRS)
 - AlwaysOn cluster and Load Balancer
- Power BI (PowerPivot, PowerQuery, PowerBI reports)
- SharePoint (SharePoint List, hosting of PowerPivot)
- MS Office (integration to MS Excel)
- Programming (C#, ASP.NET, XAML, XML)
- Azure (IaaS servers)

