



FläktWoods

DATA WAREHOUSE & BUSINESS INTELLIGENCE CASE STUDY FLÄKTWOODS - AIR TECHNOLOGY, INDOOR CLIMATE AND AIR MOVEMENT SYSTEMS

The Company

FläktWoods develops, manufactures, markets and distributes Intelligent Air-Technology based solutions including indoor air climate for buildings and air movement equipment.

- ⇒ €430m Annual Turnover
- ⇒ 2300 Employees
- ⇒ Multiple brands and Divisions
- ⇒ 65 Countries Worldwide
- ⇒ 15 factories in 7 countries
- ⇒ Decentralised IT Infrastructure



The Problem

Provide group management with high quality, accurate information for fast and flexible dashboards.

Combine accurate budget, quotation, order and sales data from multiple separate divisions, from separate countries, in multiple currencies, from multiple IT systems.

Standardise product codes, de-duplicate customer details, consolidate employee logins.

Generate and store history, beyond that available from source systems.

The Purple Frog Solution

SQL Server 2012 • Integration Services • Analysis Services • .Net

Direct database connection to retrieve incremental data updates from available data source systems worldwide.

Development of a web based Excel/csv upload system to provide manual data upload facility for countries/departments with no IT system connectivity. Built in automated data validation, with instant feedback of problems to ensure users upload valid data files.

Data cleansing framework implemented to allow retrospective standardisation, de-duplication and mapping of product codes, employee codes and customer details.

SSIS framework ensures data cannot be loaded multiple times, provides transparent currency conversion facility and automatic generation of historical change tracking.

The Extract, Transform and Load (ETL) system is designed to be inherently robust, and is able to recover from any system or connectivity failure automatically with no data loss, duplication or corruption.

- ⇒ SQL Server 2012 Data Warehouse
- ⇒ Web Based Excel Upload & Validation
- ⇒ 80 SSIS Packages
- ⇒ SSAS OLAP cube
- ⇒ QlikView Dashboards

The consolidated Kimball style data warehouse has been designed to provide a single source of reporting across the group, supplying clean and consistent data to a number of different reporting systems including QlikView, SQL Server Reporting Services (SSRS) and Excel, via an Analysis Services OLAP cube.

