

Topic

BW implementation for the purchasing department (not production run)

Customer

Car manufacturer

Task

Conceptual design and implementation of reports for the purchasing department using SAP BW, in order to present all necessary information in the procurement process:

- Offers
- Shopping cart
- Purchase orders
- Contracts / Catalogues
- Confirmations
- MM-Invoices

Implementation

Based on existing business blueprints (from previous project phases), a rough concept for each technical topic will be created and implemented.

The main aim of the project was to retain the purchase order information history (purchase order changes) and permanently store (even after the re-initialization in BW) this data by means of a self-programmed interface in the source system.

After mapping and extracting the data from seven source systems (SRM, R/3, UD and DB Connect), the data flow in BW was modeled. In the data flow, complex routines in transformations enriched the data with additional information and created links between various document types (resulting in a comprehensive set of reports)

Based on this data model, numerous reports were created and published to their SAP Enterprise Portal.

In order to conduct the rebate processing of invoices from 4

sources systems, the consolidated invoice information from the BW system was written back into the SRM System (retraction).

Finally, the consolidated data warehouse was implemented with the procurement process information to provide comprehensive reporting.

The following activities were carried out by PIKON:

- IV conceptual design
- Data extraction from the source systems
- Programming generic extractors in SAP systems
- Data modeling and design in SAP BW
- Programming complex transformation routines
- Programming a retraction scenario (after SRM)
- Developing process chains to control data extraction, data flow, and any post-processing tasks
- Reporting using Business Explorer Analyzer
- Programming applications and classes (e.g. to retrospectively edit the hierarchy)
- Delivering a consolidated data warehouse
- Creation and implementation of an authorization concept
- Creation of user documentation and a system manual for application management