

ThyssenKrupp Steel

ThyssenKrupp Steel AG
Duisburg, Germany
www.thyssenkrupp-steel.com

Industry:

Industrial Manufacturing

Annual Revenue:

US\$12.2 billion

Employees:

32,000

Oracle Products & Services:

Oracle Database
Oracle Application Server
Oracle XML DB
Oracle Internet Directory

“With the help of Oracle XML DB, it is now possible for us to load data from very different data sources efficiently and scalably into our data warehouse. Thus, we are able to have all necessary data, reports, and analyses available at any time.” – Volker Husemann, Project Manager XML Database, ThyssenKrupp Steel

ThyssenKrupp Steel Integrates XML Documents into Data Warehouse

The Segment Steel of the ThyssenKrupp group concentrates on manufacturing and selling high-grade flat products made from high-quality steel as well as offering product-related services.

ThyssenKrupp Steel is active globally and holds leading positions worldwide.

Challenges

- Modernize and merge legacy systems for scalable entry of flexible XML data from diverse data sources into the data warehouse TOMIS (ThyssenKrupp Steel Order and Material Information System); TOMIS is the uniform platform that provides data for the order execution and planning process at ThyssenKrupp Steel
- Provide a highly available, 24/7 solution

Solution

- Implemented Oracle XML DB for efficient and scalable entry of XML data streams into the data warehouse
- Realized cost savings from consolidation of disparate systems to one centralized Oracle database
- Deployed Web technologies cost effectively
- Integrated connections between the relational world and XML
- Implemented the seamless and scalable entry of hierarchical structures into relational systems
- Incorporated a production-control system with a data transmission rate of approximately eight documents per second
- Represented the contents of XML documents as relational views
- Achieved high performance through object-relational storage (instead of data transformation) and “query rewrite”
- Created the possibility of flexibly changing data structures in very different source systems without re-programming
- Achieved the scalable processing of large data volumes
- Gained a holistic view of commercial and technical data