

ITWorx Helps UTC to Build their Purchasing Data Warehouse



Country:

United States

Industry:

Industrial and Manufacturing

Customer:

United Technologies Corporation (UTC)

Executive Summary

UTC is one of the leading high-tech companies worldwide. UTC wanted to leverage its consolidated data by building a data warehouse on top of their IBM solution to prepare the required tools to needed to analyze spend, ensure compliance to corporate deals, and follow up on contract implementation. ITWorx worked with UTC to develop the data warehouse models and deliver the needed reporting requirements. ITWorx developed the extraction, transformation & loading (ETL) tools needed to validate, transform, and load the data into SAP BW automatically.

The Customer

United Technologies Corporation (UTC) is one of the world's leading high-tech companies with a long history of pioneering innovation in aerospace, aviation, helicopter design, climate control, elevator design and hydrogen fuel cells. UTC is composed of a number of major business units - Pratt & Whitney aircraft engines, Carrier heating and air-conditioning systems, Otis elevators and escalators, Hamilton Sundstrand aerospace and industrial systems, Sikorsky Helicopters, UTC Power, and UTC Fire and Security. UTC employs over 225,600 people, operates in more than 180 different countries and is the 42nd largest U.S. Corporation. In 2007, UTC revenues were in excess of \$54.8billion.

The Challenge

IBM provides UTC with a B2B service to automate its general procurement processes from request-to-check. The system is successfully deployed in UTC divisions and the transactional data gathered and maintained by IBM is fed to UTC for reporting and analysis purposes.

UTC wanted to leverage the gathered data by building a data warehouse on top of the IBM solution to give Strategic Sourcing the required tools to analyze spend, ensure compliance to corporate deals, and follow up contract implementation. SAP Business Information Warehouse (BW) was selected as the tool to construct the data warehouse.

Technologies and Software

- Oracle Database Server
- SAP Business Warehouse
- IBM Azure
- MVS Mainframe Operating System

The Solution

UTC engaged ITWorx to work with Strategic Sourcing and UTC divisions to identify reporting and analysis needs. ITWorx worked with UTC on developing the data warehouse models and reporting requirements. ITWorx developed the extraction, transformation & loading (ETL) tools needed to validate, transform, and load the data into SAP BW automatically.

ITWorx is supporting the data warehouse on ongoing basis by providing the required resources to maintain and grow the models and reports, train the users, and maximize the ROI for UTC. The solution involved business consultancy, project management, and intensive data warehousing knowledge (ETL, OLAP modeling, reporting, and databases).

The Benefits

- Helping UTC establish a well defined scope for data analysis requirements
- Redefining UTC work models and automating work processes
- Enabling data monitoring and control through reports generation
- Training the staff on IT tools

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