

## BUSINESS INTELLIGENCE SOLUTIONS

# Dashboard View of Profitability, Component Demand for Major Auto Parts Supplier

**Project type:** Data mart and OLAP reporting, dashboards

**Duration:** 3 months

## CHALLENGE

A tier-one, high-volume parts supplier to the automotive industry wanted better visibility into profitability and component demand across its product line. Technical challenges included:

- ❑ Changing sales forecasts and component costs
- ❑ BOM normalization for large volumes of parts
- ❑ Disparate data sources, including relational databases and frequently-updated spreadsheets
- ❑ Currency conversions

## SOLUTION

WIT created a data mart and OLAP reporting and dashboard solution that supports two distinct applications:

- ❑ Profitability reporting – Creates up-to-date insight into the profitability of the various product lines, by combining the five-year sales forecasts with the cost of each part.
- ❑ Component demand – Determines the aggregate demand for the components that comprise the various parts, based on the sales forecast and BOM (Bill of Material) data

### Currency conversions

WIT designed and implemented the complete solution, from the data mart design, and ETL automation to OLAP development and reporting design. The solution components include:

- ❑ ETL processes (SQL Server Integration Services packages)
- ❑ Data mart (SQL Server 2005)
- ❑ OLAP cubes (Analysis Services 2005)
- ❑ Customized dashboard reporting (ProClarity Dashboards)



## RESULT

Today, the parts supplier has instant visibility into forecast profitability as well as component demand, delivered on an easy-to-use dashboard. The dashboard offers a line graph and a data grid, with the data grid showing the detail level below the line graph. Business users select parameters to analyze data at different levels and in different combinations. For example, users can easily analyze profitability by customer, or through each customer's specific vehicle lines, down to individual models.

### Corporate Headquarters

5750 New King St. Ste. 110  
Troy, Michigan 48098  
(248) 641-5900

Scott Smith 248-641-5900 Ex. 248  
ssmith@witinc.com