

Chemical Plant Optimizes Its SAP ERP System

The manufacturer improved its manufacturing agility and asset management capabilities while reducing costs.



Main Objective

This chemical plant needed to create a plant-centric MES environment that would extend the production planning features of its newly implemented SAP ERP system.

Customer Results

MAVERICK designed and developed a framework to enable real-time data exchange between the ERP system and the plant floor, enabling better decision making, improved agility, greater asset management and lower costs. Specific results include:

- Increased asset utilization by 10–20%
- Decreased changeover time by 10–50%
- Reduced conversion costs by 5–15%
- Increased right-first-time (RFT) rate by 50–70%
- Increased production on spec throughput by 2–20%
- Increased inventory turns by 2–3 times
- Improved adherence to scheduling and planning effectiveness by 60–90%
- Reduced finished goods dead time by 50–75%
- Decreased total supply chain material cycle by 25–50%
- Improved delivery reliability by 95–99%
- Greater flexibility to adapt to business and process changes

Application Description

- MAVERICK designed and developed the system interface standards that support multiple computer platforms.
- Applying object-oriented technology methods and practices, MAVERICK created tools that allow for quick, efficient object development.
- MAVERICK established a proof-of-concept environment that allowed for designing and testing interfaces to support the client's global enterprise.
- MAVERICK configured, mapped and deployed the data exchange between the ERP system and the plant floor.

The MAVERICK Difference

MAVERICK Technologies applied its best-practice business process expertise to help this manufacturer experience a broad range of benefits.

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