

QAD Consulting Solution Integrates Manufacturing and Engineering Solutions Provider, Boosts Operations

The Company

Engineered Machined Products, Inc. (EMP) is North America’s leading producer of engine cooling pumps for diesel engines and a specialized full service provider of manufacturing and engineering solutions. EMP is headquartered in Escanaba, Michigan with facilities in Greenfield and Indianapolis, Indiana.

The Challenge

Coordinate and upgrade systems between three manufacturing and distribution locations to ensure smooth integration of all business processes to enable world-class operations. Corporate production ramp-up requirements required a rapid implementation with fast, tangible results.

The Solution

EMP contracted with QAD Consulting to be lead consultant during the company-wide implementation of MFG/PRO. QAD Consulting managed all aspects of the implementation, including EDI and bar coding integration.

EMP required an aggressive implementation schedule: eight months to be fully functional in all three locations.

The Distribution, Manufacturing, Financial and EDI ECommerce modules of MFG/PRO were implemented one location at a time. Elements included:

- Loading customer orders via EDI ECommerce
- Translating orders into demand for shop floor
- Scheduling
- Full bar code utilization from receipt to shipment
- Daily regeneration of Materials Requirements
- Planning
- Full financial implementation of GL, AR and AP
- Supplier schedules
- Integrating Sterling Commerce’s Gentran Server

The Benefits

- First location implemented and operational inside eight weeks; second within six months; third location operational within eight months
- An inventory movement from the distribution/assembly centers is translated into an order for replenishment at the manufacturing locations within 24 hours
- Each site is capable of managing its own inventory
- Internal business operations can be synchronized across all locations within one working day
- Training and transfer of knowledge from QAD
- Consulting to EMP staff

Summary

QAD Consulting has equipped EMP with a world-class solution to manage the core business. The new business systems let EMP leverage a single standardized platform across their entire organization, allowing them to realize synergies between facilities and provide the best service possible to their customers.

Prepared by Engineered Machined Products, Inc. in cooperation with QAD.

Highlights

Company

Company Name	Engineered Machined Products, Inc.
Industry	Automotive component parts
Products	Diesel engine cooling pumps

Solution

QAD Solutions	QAD MFG/PRO with EDI ECommerce with Sterling Commerce’s Gentran Server for NT and Eagle Consulting’s RF Express for MFG/PRO
Implementation Time	First location operational in 8 weeks; 2nd in 6 months; 3rd in 8 months.

