



BlueScope Buildings North America, Inc.
Kansas City, MO
www.bluescopesteel.com

Industry:

Industrial Manufacturing

Annual Revenue:

US\$400 million

Employees:

2,000

Oracle Products & Services:

Oracle Configurator
Oracle Advanced Supply Chain Planning
Oracle Order Management
Oracle Discrete Manufacturing
Oracle Bills of Material

Oracle Partner:

Deloitte Consulting
www.deloitte.com

“Our engineer-to-order process is complex and long-term. The product requirements we get initially may not be very detailed, and it may be up to 30 weeks before we see the actual product. Oracle Configurator gives us the flexibility to have confidence in our materials plans and pricing.” – Gary Snodgrass, Manufacturing Information Systems Manager, BlueScope Buildings North America, Inc.

BlueScope Buildings North America, Inc. Manages Engineer-to-Order Process across Multiple Plants

BlueScope Buildings North America, Inc. is a business unit of BlueScope Steel Limited, Australia's largest steelmaker. BlueScope Buildings provides a range of design, supply, and construction solutions for a variety of commercial, industrial, and residential building projects. The business unit formed from the merger of several companies including Butler Manufacturing and Varco Pruden Buildings.

Challenges

- Manage a complex, engineer-to-order process for the company's large-scale and unique building products, which can use between 10,000 to 15,000 different raw materials
- Support company growth and change subsequent mergers that have resulted in a more complex multiplant planning process, requiring precise synchronization to produce each building
- Reduce cost throughout the manufacturing process and accelerate the margin analysis process

Solution

- Implemented Oracle Configurator to replace a homegrown raw materials selection system, enabling users to more efficiently and accurately capture customer requirements and square footage and match them to product options and volume
- Reduced the number of unique inventory items by matching customers' needs with preconfigured products
- Leveraged the ability to “ask questions” in Oracle Configurator to determine which of the company's nine plants is the most cost-effective for creating each part of the building, depending on the dimensions and the availability of materials
- Integrated the entire process, from taking the order, matching materials, through bill of materials and supply chain planning
- Provided users with the visibility needed to ensure that all sub-assembly parts from different plants arrive at the right time and place for final assembly
- Reduced the time required to do margin analysis from a minimum of three days to one day, due to the integrated nature of the applications, which enables users to update product costs quickly to reflect market changes
- Enabled change orders during the process that, while not ideal, help avoid the need to completely re-enter the order
- Enabled historic data analysis to predict materials usage