Graboplast Optimizes its Production Planning & Scheduling

About Graboplast

Graboplast is a leading flooring and wallpaper manufacturing company that has operated for over 110 years. It exports its world-class products to 100 countries featuring product categories serving the retail, residential, sports facilities, automotive and commercial sectors.
**Problem**

Graboplast’s management wanted to reduce order fulfillment times to under 10 days in order to keep healthy stock levels and make more efficient use of the company’s storage facilities. However, the company’s different product types made the scheduling and production cycle complex. Floor production is performed on a single production line including special printing devices. Products vary by thickness, width, design (color and pattern), embossing, and ingredients (for stability, hardness, or special surface). The required changeover time to accommodate production of different products needed to be minimized while maintaining high factory productivity by carefully designing the production schedule.

**Solution**

An AIMMS-based scheduling solution was developed by AIMMS implementation partner Optasoft. The solution, which replaced multiple Excel spreadsheets and printouts, produces the optimal schedule in a few minutes, and maintains an internal data system. Graboplast’s shop floor managers can modify the database, examine the schedule and make changes in an easy to use interface. The tool can also check the feasibility of new, interactively designed schedules and provides suggestions for producing more feasible alternatives as needed.

This decision support tool for planning and scheduling was used to:

- Improve service levels
- Reduce inventory levels
- Increase production efficiency

It includes daily routing, stock levels, order deadlines, order constraints and machine constraints.

**Results**

Benefits included:

- Planning time reduced from several hours to minutes
- 50% reduction in idle time
- 20% increase in machine productivity
- 5-day reduction in lead time
- 20% reduction in stock levels and scrap

**Contact Us for a Demo**

**Americas**
+1 425 458 4024

**EMEA**
+31 23 5 511 512

**Asia Pacific**
+65 6521 2827

**About AIMMS**

The AIMMS Prescriptive Analytics Platform helps you evaluate and identify the best options to tackle your most pressing challenges with sophisticated analytics that leverage mathematical modeling and scenarios while pulling from multiple data sources. You can immediately gauge, not just what is likely to happen, but what you should do about it for the best possible outcome. Whether you seek to improve your strategy, planning, operations or transform your entire supply chain, AIMMS software is the ideal combination of being tailored to your unique situation paired with speed to value (ROI). That’s why teams at Shell, Johnson & Johnson, GE and Heineken and many more fire up AIMMS every day.

www.aimms.com info@aimms.com

Copyright © 2017 AIMMS, All rights reserved