



STATISTICA provides integrated SPC system to fiberglass industry's major European production plant

KEY POINTS

Business

Saint-Gobain Velimat Polska, a member of Saint-Gobain Group

Overview

- Manufactures fiberglass fabrics and knits for use in construction industry
- Major production plant located in Gorlice, Poland
- Seeks to ensure the highest quality product through real-time monitoring

Challenges

Manufacturing process parameters had not previously been integrated seamlessly in real-time between two data sources: the lab and the automatic meters on the production lines.

StatSoft Solution

STATISTICA Enterprise/QC™

Results

- Key product parameters can now be monitored in real-time both on shop floor and at engineer's level
- STATISTICA facilitates better recognition of process dependencies that impact product quality
- STATISTICA provides improved reporting that correlates production parameters across arbitrary time periods

"The new quality and process control system based on the STATISTICA software...has become an integral part of our everyday work. The level of service during implementation, as well as the post-sale service, stability and reliability of StatSoft's IT solutions, are worth most sincere recommendations."

— **Bernard Buliński**
Director of Operations

BACKGROUND

Saint-Gobain Velimat Polska Sp. z o.o. is a member of the Saint-Gobain Group, the world leader in design, manufacture, and distribution of building materials that provide innovative solutions reflecting market concerns for energy savings and environmental safety. Ranked among the Financial Times' 2012 "Top 100 Industrial Groups in the World," Saint-Gobain continuously develops its technological expertise in cooperation with many prestigious universities and research labs. Located in Gorlice, Poland, Saint-Gobain Velimat Polska manufactures and sells woven fiberglass fabrics and knits for the construction industry, such as acoustic insulation, exterior wall coverings, insect-proof nets, decorative coatings, surface finishing and reinforcement, bases/warps for asphalt tar paper, and anti-corrosion coating.

CHALLENGE

In order to ensure manufacture of the highest quality product, the company engaged StatSoft Polska to develop and implement an integrated SPC system with STATISTICA software at its production plant in Gorlice. The SPC system's main task is to conduct online monitoring of production process parameters.

HOW STATISTICA HELPED

StatSoft Polska designed the system's central database to provide for specific manufacturing requirements. In the system, the process quality data is collected from two sources: from the lab and from the automatic meters that have been installed at the production lines.

RESULTS

Due to this new, customized solution that provides real-time access to the quality readings, the personnel responsible for quality on the shop floor can now monitor variations of key product parameters on the Shewhart control charts directly after measurements have been recorded. Additionally, the process parameters data is introduced to the engineer's level for tracking the dependency between product quality and process set-points.

In addition to process tracking and routine reporting, the new SPC system allows users to correlate production parameters across random periods, as well as to conduct ad hoc analyses. STATISTICA facilitates better recognition and understanding of production dependencies that affect product quality.

Bernard Buliński, Saint-Gobain Velimat Polska's Director of Operations, has noted that the new quality and process control system based on the STATISTICA software has met the company's expectations and has become an integral part of their everyday work. "I heartily recommend not only the use of the software but also the maintenance service that StatSoft offers," writes Buliński. "The level of service during implementation, as well as the post-sale service, stability and reliability of StatSoft's IT solutions, are worth most sincere recommendations."