

### ALSTOM Power Elblag Sp. z o.o. Optimizes Production Processes with STATISTICA Enterprise-wide SPC System (SEWSS) (COMPUTERWORLD)

A recent article in *COMPUTERWORLD* (Polish version) described how ALSTOM Power Elblag Sp. z o.o., a top manufacturer of turbine castings, uses *STATISTICA Enterprise-wide SPC System (SEWSS)* to optimize its production processes and ensure quality.



Jerzy Slawinski, ALSTOM Power's quality manager, speaks highly of *SEWSS* in the article, "The *SEWSS* system is not just a package that runs on the computer on the desk of an analyst. It is an integrated solution which links production, data acquisition, database and analytical parts."

"About 30 operators and engineers" and "a wide group of managers use the system" for data collection, data management, and statistical analysis. The entire process was described in the article:

"*SEWSS* continuously retrieves data: first, components and raw materials characteristics are measured (this additionally controls reliability of the suppliers), then characteristics of moulding sand (tensile strength and permeability), furnace charge, fire-clay moulders, melted metal composition and pouring process are monitored, parameters of heat treatment recorded, casting quality is measured (repair welding factor), dimensional compatibility checked. Each cast generates several hundred records of data. The factory produces over 400 tons of casts each month. Measurement data are retrieved by the system automatically or sent to the system by operators with measurement devices or keyboard data entry. *SEWSS* stores measurement data in an external database (in this case it is an Oracle database) and runs on a network server."

Slawinski says, "The global market in our sector is very competitive. Turbine castings dropped in prices by 50% in the last 5 years. In this situation, quality is not a negotiable option, we talk only about costs and time to delivery. Producers who will not manage to change in time will not stay in this market." The comprehensive analytical tools, flexible alarm notification, interactive query facilities, and many other innovative features in *SEWSS* help ALSTOM Power meet these essential quality standards.



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