

## STATISTICA saves time of the quality monitoring and control of Pepsi

General Bottlers CR which is part of the international company PepsiAmericas, produces and distributes non-alcoholic beverages of worldwide known brands – Pepsi, Mirinda, 7Up, Mountain Dew, Schweppes, Canada Dry, Dr Pepper, Lipton Ice Tea, Adrenaline Rush, Gatorade and also the broad portfolio of the TOMA brand.

While producing these beverages, the company monitors parameters pertaining to the quality of raw materials, production itself as well as bottling: the quality of water, volume of sugar, volume of CO<sub>2</sub>, accuracy of bottling, tightness of bottle caps, etc. Regular reports are then produced for management to monitor and evaluate the production quality.

Data acquired from gauges have been entered manually into paper forms so far. They were transferred manually to an electronic form and reports were generated out of them by hand.

General Bottlers decided to implement the software *STATISTICA* to automate the whole process to save the work of people, and thus also time and costs, but also to make the quality control process more deep with the use of modern analytic tools.

The *STATISTICA* solution is based on the enterprise system *STATISTICA Enterprise* which provides great graphical and analytical features besides enterprise tools. The product is tailored to meet exactly the needs of the company. Operators save data from gauges directly into a database and are able to trace a QC chart for the parameter in question on a screen in real time. Thanks to this they can monitor on-line whether everything is okay. If there is any problem, they can take measures to correct it right away.

- time and money saving
- cost reduction
- quality under control
- process understanding
- timely reaction
- automation

We've decided to implement StatSoft software in Pepsi Prague plant and I am sure it is the right decision to have same technology like our Polish division. Statistical models are becoming part of our everyday life and a proper computer software package can decrease the time we are spending creating and analyzing these statistical models significantly. I am sure, this tool and technology will bring significant change for our quality team and help them to be efficient and successful. Data collecting and automatization brings great opportunity for proper analysis results and manufacturing process improvements.

Adam Czap, Manufacturing Director CR & SR

The quality manager has been processing the data manually into reports until now. It was naturally a time consuming work. Part of the solution are report templates which on one click generate an outcome which had required considerable effort and time before. Weekly, monthly or custom period reports can be produced, all of them for any parameters being saved into the database.

The system also enables entering any specifications for a new product. An employee with proper access rights sets what parameters will be monitored and which range the values should fall into.

In addition to the automated data entry and report generation, users can make ad-hoc analyses according to a current need. So it is possible to go through the data in the database, analyze relations between variables, analyze how the production quality depends on raw materials or production settings. These features allow deeper understanding of events in the production, reacting to them in real time and controlling them in a better way.

The advantage of the system is the connection of gauges which send measurements to a computer for processing, and thus also there is no way for messing data. Further benefits are the possibility for other users and colleagues to preview acquired data and analyses, and the possibility to create various statistical data analyses. We are also going to utilize training courses for raising the level of *STATISTICA* users.

Drahomíra Bartošová, Quality Supervisor



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