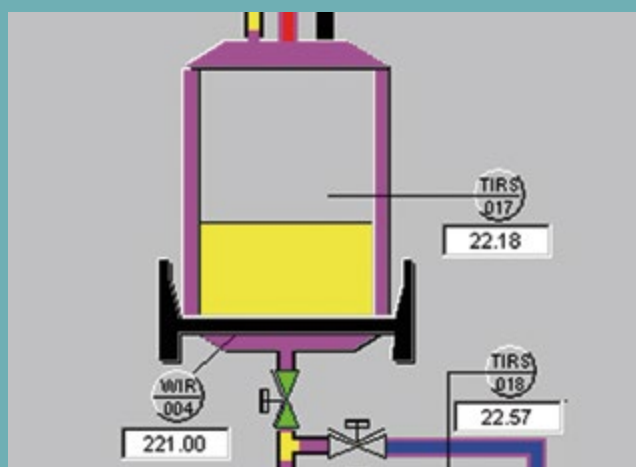# Leciva a.s. Pharmaceutical
Prague, Czech Republic

LECIVA

Leciva a.s. Pharmaceutical Headquarters
Prague, Czech Republic

Storage Tank Display at Leciva a.s.

"The ICONICS GENESIS32 software system has significantly increased the completeness of our documentation and level of quality assurance."

Milan Turinsky
Control Systems Engineer
Leciva, a.s.

About Leciva a.s.

Leciva, a.s. Pharmaceutical is the largest Czech pharmaceutical company and dominates both the Czech and Slovak markets. Their main business is pharmaceutical production and distribution. The company was founded in 1993 under the Czech Republic National Enterprise. In 1997, the Czech government sold all the remaining shares it held to Leciva, a.s. They sell the majority of their pharmaceutical substances to developed industrial countries in the EU, Eastern Europe (Slovakia, Russia, Poland, Ukraine etc.). Leciva, a.s. dominates the local Czech Republic market with a 65% share of the production of this pharmaceutical substance sector.

ICONICS Software Deployed

Leciva, a.s. has selected ICONICS to provide them with their pharmaceutical production management system after evaluating other vendors' offerings. ICONICS' GENESIS32™ software suite of tools was installed at their production operations in Prague, which include GraphWorX™32, TrendWorX™32 and ScriptWorX™32. The GENESIS32 Software is running on a Siemens Simatic S7 OPC server.

Key Features

Leciva, a.s. Pharmaceutical has high recording requirements to meet with regards to documenting every aspect of their production process to meet GMP (Good Manufacturing Practice) standards in their industry. Leciva, a.s. was the recipient of the first GMP Certificate in the Czech Republic, awarded by the State Institute for Control of Pharmaceuticals (government regulatory agency similar to the FDA in USA) in 1994. Thus, they needed a system which provided extensive security measures, audit trails for operators, all production data to be logged reliably, operational sequence checking and traceable alarm and event history recordings to be retained. Therefore, Leciva, a.s.

selected GENESIS32 software, which met all their process documentation, production data collection and report requirements to meet their GMP standards.

Project Summary

Leciva, a.s. produces formulated solutions that are collected in storage tanks. The production process then draws the solutions from the storage tanks that feed the automated liquid filling machines that fill the final deliverable product ampoules. The monitoring and data collection software system was configured and installed by the systems integration firm, SIDAT CZ.

Benefits of the System

The ICONICS GENESIS32 software system has increased the quality and completeness of the documentation collected on the production operation processes and has provided clear production information and procedures that are delivered to each of the operators running the equipment. Reports on production operations are generated from the data collected and stored in Leciva's local, workstation -level, databases.

Leciva a.s. Production Data Stored in Excel

Leciva's Main Production Facilities

The GENESIS32 system monitors every aspect of the production operation, provides clear directions and information for each of the operators via GraphWorX32 HMI screens and collects production data which is stored in Microsoft Excel spreadsheets and presented in numerical and graphical formats. The software system interfaces with a Siemens S7-400 PLC, connected to a Simatic and one gauge system. There is one PC node implemented and the system has over 1,000 digital and analog tags.
The GENESIS32 system processes over 100 scripts that can run simultaneously using VBA 6.0 integrated into ScriptWorX32.

Conclusion

ICONICS has worked closely with Leciva, a.s., a Czech Republic pharmaceutical company, to make this production management project successful in every aspect. Leciva, a.s. participates in the ICONICS End-User Support and Maintenance program to keep its software updated and for access to technical support personnel as needed.