



Success Story

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Plant Arial View

Industry: Pulp and Paper

**Customer: Frantschach Company,
Czech Republic**

The Frantschach Company is one of the world's leading producers of industrial packaging and paper materials. They have been using ICONICS software at its Pulp and Paper plants in the Czech Republic. The Plant receives 1000 tons of timber daily and produces 1,500 tons of pulp and paper each day. This plant has over 100 buildings with over 1000 people employed producing 45 megawatts of electricity within their facility. This is the largest ICONICS Web application in Europe.

ICONICS Software Deployed

The HMI/SCADA System for the Frantschach production plant, known as the Technical Information System (TIS), is using ICONICS GENESIS32, AlarmWorX32, TrendWorX32, GraphWorX32, DataWorX32 and WebHMI software. This was implemented by the Merz Company, a provider of industrial automation software solutions in the Czech Republic. Merz served as the system integrator for the TIS, which is based on OPC Data Access, Historical Data Access and Alarm and Events communications.

Key Features

The TIS, which uses many different types of OPC servers to integrate and process real-time data from all segments of the Frantschach production facility, employs 20 full ICONICS GENESIS32 systems with 100 graphic screens for real-time HMI visualization of the plant's operations. An ICONICS WebHMI server provides HMI displays to more than 50 client computers running Microsoft Internet Explorer, enabling production, maintenance and management personnel to view real-time OPC data from Web browser stations throughout the facility.



Final Control Room



Pulp Processor System



The Paper Machine



Final Paper Rolls

Tip From the Customer

“ICONICS’ WebHMI product integrated 18 different OPC servers from different manufacturers and helped us visualize our operations using the standard internet explorer. The GENESIS32 Product tied together the our SAP, OSI PI historian, Measurex, ABB and Siemens PLC’s using OPC technology. Our integrator, Merz, helped us build the most advanced web based visualization and information system for and analyzing our complete Pulp & Paper plant application.”

– **Lubomir Rulisek, Pulp Mill Manager, Frantschach Co.**

Project Summary

OPC plug and play technology was critical for this extremely large application. The system integrated nine OPC servers to process real-time data from all segments of the large paper complex. An ICONICS WebHMI server, running on Windows 2000 and IIS delivered over 150 web pages to 70 WebHMI clients running standard internet explorer. This enabled production, maintenance and management personnel to view real-time plant operations throughout the facility with over 900 personal computers.

Reporting and System Benefits

To handle the enormous amount of data generated by the plant, the plant information system (TIS) also uses ICONICS’ DataWorX32 OPC data exchange product, which provided a homogenous data-collection engine for more than 4,000 real-time OPC tags and more than 5,500 historical OPC tags.

Conclusion

ICONICS has worked closely with Frantschach Company and its IT staff as well as Merz, their selected systems integrator, to make this Pulp and Paper production project successful in every aspect. Frantschach Company participates in the ICONICS End-User Support and Maintenance program to keep its software updated and for access to technical support personnel as needed and is looking forward to expanding this application to its other six plants in Europe.