



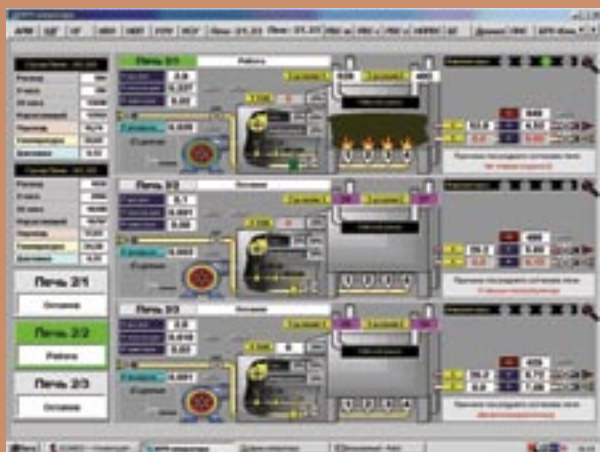
A Russian Oil Processing Plant
Client of SC «ATS»



Customer Success Story

SC «ATS» Company, Ltd. Tyumen, Russia

SC «ATS»



A Control Screen for Oil/Gas Applications

About SC «ATS»

SC «ATS» specializes in the design, creation, introduction and tracking of automation systems in the Russian petroleum and natural gas industries. SC «ATS» acts specifically as a system integrator, providing design for, delivery of, and service to gas and oil-producing industry control systems.

ICONICS Software Deployed

SC «ATS» has selected ICONICS GENESIS32™ OPC Web-enabled HMI/SCADA suite; including the TrendWorX™32 enterprise-wide data collection, logging, charting, reporting and analysis component and the DataWorX™32 OPC data aggregation, bridging, redundancy and tunneling add-on; for its suggested industrial automation software solution.

“We have a very positive opinion of ICONICS and its GENESIS32 HMI/SCADA suite. It has helped to save time and costs for our oil and gas industry clients requiring flexible, extendable visualization solutions, as well as in our company’s development processes.”

Vyacheslav Zavyalov, Control System Specialist
SC «ATS»

Project Summary

SC «ATS» works with multiple plants in the Russian oil and gas industry. Recently, the company was involved in providing control systems in three locations: OAO Surgutneftegaz, with more than 40 objects; NK Rosneft, with more than 20 objects; and TNK BP (Tumenneftegaz), with more than 10 objects. The multiple objects to control at each plant make use of a wide variety of technologies, including radio, GSM/GPRS, Wi-Fi and Ethernet connectivity. In total, there are approximately 16 distributed control stations on area objects and about 118 on telemechanical systems.

The types of connected devices include multiple controllers, flowmeters and heater controllers from B&R and Siemens, which are connected to ICONICS HMI/SCADA interface via OPC servers. The OPC servers themselves are used primarily for data collection, while OPC loggers are for reporting/logging and SQL servers are used for data storage. The total number of I/O points ranges from four on the telemechanical control systems to up to 14,000 on area object points.

SC «ATS» uses Microsoft software in its control system

solutions, including SQL Server and Microsoft Office (Excel, Access, etc.).

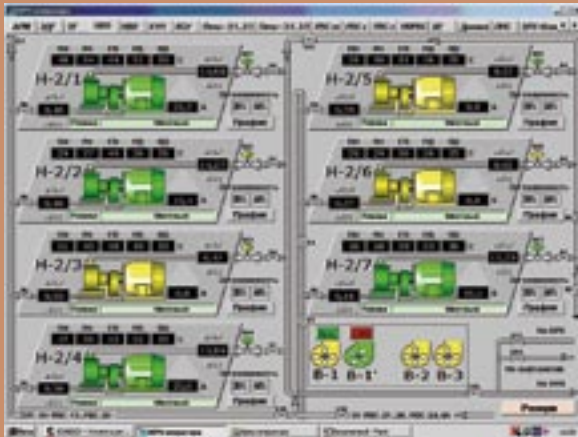
Benefits of the System

SC «ATS» had multiple criteria for their preferred industrial automation software. Among the reasons why ICONICS was selected were:

- Convenience - due to ICONICS “off-the-shelf” solutions
- OPC Technology Support
- Flexibility During System Development and Maintenance
- License Variety and Choice

Conclusion

SC «ATS» plans to expand its ICONICS installations at its client plants whenever related equipment requires maintenance or replacement or as customers require any new functionality. Presently, the company anticipates no less than 10 projects a year requiring control system solutions. ICONICS has proven itself a valuable software partner for SC «ATS» and its many Russian oil and gas customers.



An Additional Plant Control Screen at SC «ATS»



Example of GENESIS32 Control Screen for Russian Oil/Gas Customers

ICONICS GENESIS32 was selected to replace a proprietary, in-house visualization system and was implemented quickly, compared to the previous solution. SC «ATS» knew immediately they had made the right choice in that system response to events now occurs in less than a second. Objects are easily visualized in a user-friendly Web interface and the installed system has been deemed easy to expand. In addition, the company has realized improvements in overall system-level security and in the oil and gas processes themselves.

ICONICS has cut overall development time for SC «ATS»’s control systems, as well as the number of personnel required for system design and maintenance.

Product Highlight

DataWorX32

DataWorX32 is patent-pending technology that includes OPC Server to OPC Server Data Bridging; OPC-Based Redundancy; OPC Data Aggregation; and Secure and Patented OPC Tunneling. The software is an add-on component to GENESIS32 or any 3rd-party system.

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