

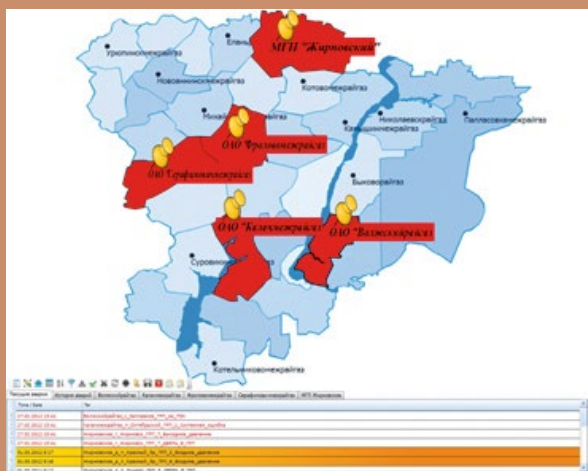


Volgogradoblغاز OJSC Plant



Customer Success Story

Volgogradoblغاز OJSC Volgograd, Russia



Map of Volgogradoblغاز Region

About Volgogradoblغاز OJSC

Volgograd, Russia (formerly known as Stalingrad) is situated on the Western bank of the scenic Volga River. Modern-day Volgograd is an important industrial city with oil-refining and ship building, as well as steel and aluminum production.

Volgogradoblغاز OJSC transports natural gas from gas pipelines to the population as well as to industrial and municipal enterprises. The development of the gas distribution system in the region has greatly changed over the last few years with the implementation of new technologies regarding maintenance, repair and pipeline rehabilitation techniques. Standard upkeep for such facilities in the gas distribution infrastructure includes portable and fixed gas detectors, sensors, gas line connectors, gauges,

“ICONICS’ GENESIS64 software is easy to use and intuitive to interface with.”

Volgogradoblغاز OJSC

the inspection and repair of domestic gas meters, and general maintenance and repair of industrial counters. Add to this the harsh climate and weather Volgograd experiences and regular maintenance can turn into anything but. Wanting to upgrade their facilities to cutting edge Oil & Gas technology, Volgogradoblغاز OJSC began the search for a solution that could help.

ICONICS Software Deployed

Initially, an investigation was started to diagnose exactly what solutions the company should implement. Replacing the TraceMode system that Adastr Research Group had previously installed, Volgogradoblغاز OJSC chose the ICONICS 64-bit GENESIS64™ HMI/SCADA software suite to manage their transfers of natural gas to consumers across the Volgograd region. Their selection included GraphWorX64™, TrendWorX™64 Logger, AlarmWorX™64 Server, AlarmWorX™64 Logger, the Unified Data Manager, ICONICS OPC Server Suite, and WebHMI™. They also paired Microsoft SQL Server 2008 and Office 2008 with the ICONICS system.

Project Summary

Volgogradoblغاز OJSC recognized that, in order to move forward with the modernization of their facilities,

they would need a top shelf, trustworthy system that could increase energy efficiency and overall plant manageability. When the company implemented ICONICS GENESIS64, with the help of system integrator Sultanov Ilya V., they decided this was exactly what they needed. The project was implemented by just one person and ran smoothly throughout the six-month integration period, along with studies and performance tests. Subsystem control and data acquisition came from the ICONICS OPC Server, run through the Modbus TCP/IP VPN protocol. This data is then distributed through ICONICS WebHMI interface.

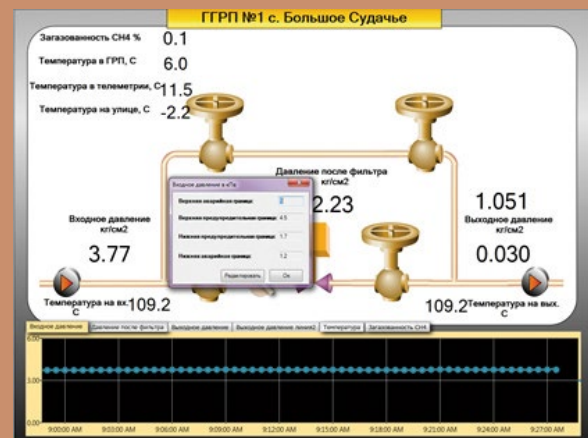
ICONICS software also allows for access to data while on site, using a tablet or laptop, while eliminating contingencies. Thankfully, with the precision that Volgogradoblغاز OJSC came to expect from ICONICS, the GENESIS64 software suite met each of the goals laid out at the project's start.

Conclusion

Currently, ICONICS products monitor 46 sites for Volgogradoblغاز OJSC, and the commissioning of new facilities, including more than 300 new objects, is already underway. Several plans include commissioning the plant design to include cathodic protection, receive operational data for the balance of the gas, re-



Screen for Volgogradoblغاز OJSC



Screen for Volgogradoblغاز OJSC

Benefits of the System

Using the ICONICS solution, the Volgogradoblغاز system has improved significantly in their remote gas facilities' prompt incident response and in emergency situations. It is now possible to utilize extensive analytical data on work sites. Due to construction of the system on a client server via a Web interface, there is no need to install software or have a complicated setup. GENESIS64 allows the company to quickly deploy and operate control towers and dispatch commands remotely. They are able to view facility control and management over the Internet via mobile phones and tablet PCs. ICONICS' ability to plug into existing Phoenix Contact PLCs and Wonderware systems helped keep project costs to a minimum.

porting, sustainable maintenance management and repairs and more. Volgogradoblغاز OJSC looks forward to working with ICONICS again to create a system of facilities that save engineering and operator time and increase KPIs, as well as increase energy efficiency, plant manageability, and overall plant efficiency.

With the introduction of ICONICS' solution, Volgogradoblغاز OJSC achieved their goals of installing a fully 64-bit operational system that could handle multiple rooms, pipelines, tanks and other assets while tracking 70 deployed objects (Gas Distribution points, Gas Control points), 3000 tags and 10 regional dispatch control centers. In 2014, Volgogradoblغاز OJSC plans an extension for another 200 objects and up to 10,000 tags.