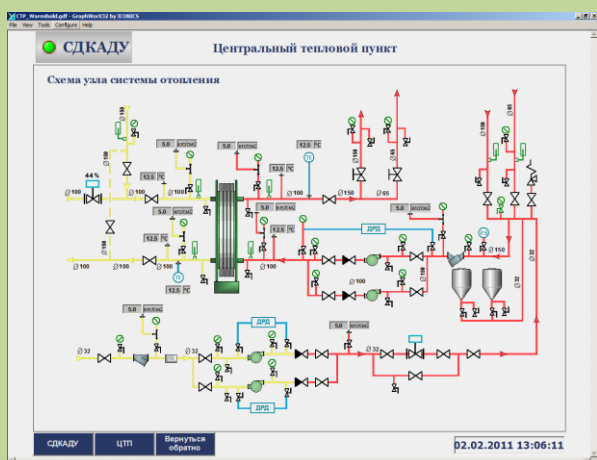




Customer Success Story

Russian Unified Energy Company Moscow, Russia



About Russian Unified Energy

The Russian Unified Energy Company controls the output of more than 70 percent of Russia's electricity, providing power to domestic households, industry, agriculture, and transportation through its nationwide system of transmission lines and power plants.

About DataSystems

DataSystems is a company within Datagroup. The Industrial Automation Division is the main integrator for building automation systems installed at the Russian Unified Energy operations center. Other projects included controlling data centers and power systems for banks, federal buildings and the Russian Federation of Nuclear Energy, all designed around ICONICS Software Solutions.

"The ICONICS application installed at the Russian Unified Energy offices by Data Systems has allowed for a complete monitoring and control of the operations center. In the event there is a problem, service technicians are dispatched automatically and are able to keep the data center operational."

Gennady Gladyshev, Industrial Automation Director, DataSystems.

ICONICS Software deployed

- GENESIS32 HMI/SCADA
- DataWorX32 OPC Data Redundancy
- WebHMI – Web-based Clients
- KepServerEX for OPC Connectivity

There are 11 nodes in total, 2 redundant servers and 9 workstations for control and administration of the building automation system. The clients have a secure intranet connection provided by WebHMI. DataWorX32 is providing redundant OPC data collecting, analyzing and processing.

Key Features

The level of redundancy in the application is a key feature and ensures the operation center will remain running. There are back up diesel generators and uninterruptible power supplies on the servers.

ICONICS DataWorX Professional is deployed to handle data redundancy between Servers. If the primary server is down the system can automatically switch to the backup server. When the main server is brought back online data is synchronized back to the main sever. As for redundancy at the collection layer each OPC server connection also has redundant OPC servers working as a pair of servers.

Project Summary

This application has several components that are monitored and controlled via ICONICS GENESIS32 HMI/SCADA. These components are as follows:

- MOXA MGate MB2000
- Advantys STB Subsystem

Conclusion

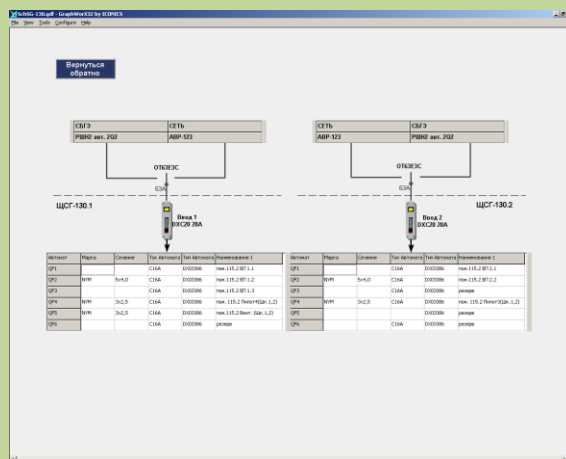
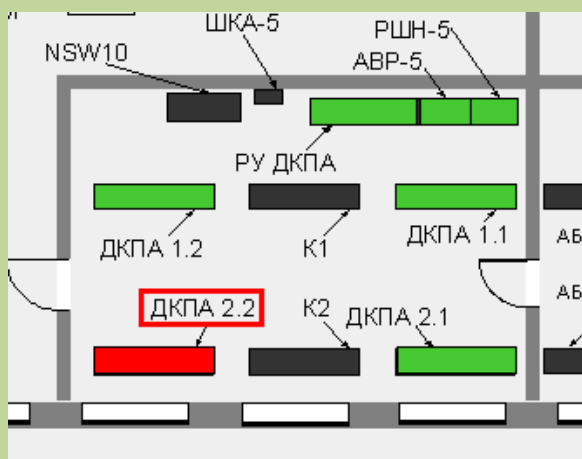
The main goal for the application was to create a single dashboard for keeping the Russian Unified Energy Company's Operational Center up and running. Data Systems used their international experience, domestic engineering and software partner ICONICS to complete the job.

Future plans for this application include integrating the access control system and adding video security.

For more information on DataSystems please visit.

<http://www.datasystems.ru/>

<http://www.datasolution.ru>



- UPM3100 - Power Quality Analyzer
- ATS- Load - Transfer Modules
- PM800 - network Analyzers
- Sauteer Substations

Benefits of the System

With the new ICONICS GENESIS32 Building Automation system installed by Data Systems all building systems including climate control, hot water, heating plumbing and more are tied together. Having all systems combined into a user friendly and intuitive dashboard allows for fast response time to alarms and ensures the operation center remains up and running.

Solutions Highlighted

WebHMI

Web-Based Real-time Automation Software

GraphWorX32

HMI Graphical Display Package

AlarmWorX

Multimedia OPC Alarm Management Software

DataWorX

Data Logging, Charting and Reporting Software