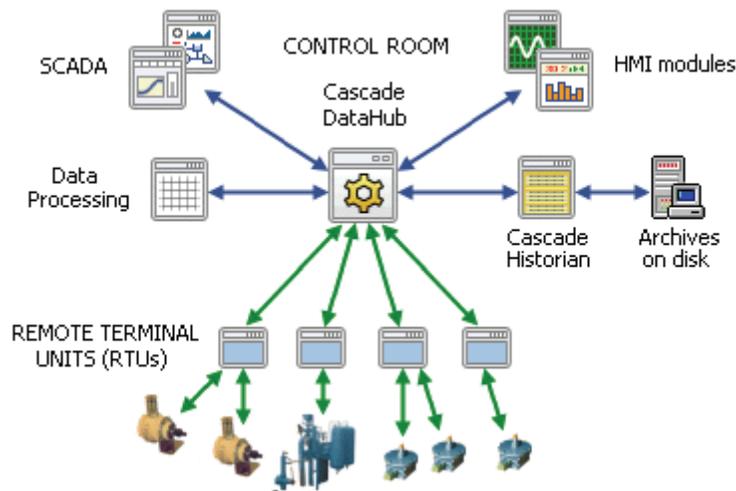


Gazprom - Russia

QNX 4 and OPC control system integration

Gazprom, the largest gas producing company in the world and responsible for 8% of Russia's GDP, is using the Cascade DataHub and Cascade Historian to monitor and control pumps, valves, consumption control units, cranes, and other equipment along 23,000 kilometres of pipeline spanning much of western Russia. The control system was developed by the Federal State Unitary Enterprise and is called the Unified Remote-Control Complex, or UNK TM. Software sales and support were provided by SWD Software Ltd., a QNX and Cogent distributor in St. Petersburg, Russia.

"The Cascade DataHub was the perfect tool for the job," said Mr. Leonid Agafonov, Managing Director of SWD. "It is easy to use and provides robust connectivity for the whole control system. Our customer is very pleased with the project, particularly the reliability of the software."



The system is an open, distributed-information control system with modular hardware architecture running on the QNX 4 operating system. A Cascade DataHub operates in each Control Room, and is connected to a number of Remote Terminal Units (RTUs), which in turn are connected to valves, pumps, and other hardware. The Cascade DataHub is also connected to a SCADA system, various HMI modules, and the Cascade Historian, which stores data to disk.

The system provides real-time operation, a multi-window graphical user interface, data processing components, and archival disk storage of data. Workstation devices and services, such as electrochemical protection and operational service can be added or removed at any time. There is also teletext communication between the Control Room and the RTUs, through the Cascade DataHub.

The Unified Remote-Control Complex has successfully passed tests administered by the Interdepartmental State Testing Commission and has been recommended for use at OAO "Gazprom" units and facilities. The system was developed by the Federal State Unitary Enterprise "FNPZ Y.E.Sedakov NIIS". It has a Measurement Instrumentation Approval Certification #6398 and is listed as #18430-99 in the State Measurement Instrumentation Register.

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The OPC DataHub is a highly optimized integration tool for real-time data. It provides quick, reliable and secure access to valuable process and production data and makes it available to management systems, database archives, and remote clients. Combining a number of innovative technologies, the OPC DataHub makes it easy for you to access the real-time data you need to make informed and timely decisions that save time, reduce waste, and increase profitability.

Founded in 1995, Cogent Real-Time Systems is the leader in real-time data integration between Windows, Linux and QNX systems. Customers include the Bank of Canada, Cadbury Chocolate and the European Space Agency. Cogent leverages its experience in real-time data communications to provide the next generation of OPC products. For more information, please contact Cogent at info@cogent.ca or visit our web site at www.opcdatahub.com. You can also call us at +1 (905) 702 7851.