

Case Study

Montana-Dakota Utilities Benefit from Phased DCS Upgrade



“Several years ago, we chose to upgrade our operator interface from the Universal Stations to the Experion platform, installing the infrastructure for Experion servers and console stations. The Experion platform opens up many options that are enhancing our systems.” - Shane Jorgenson, Results Technician, Montana-Dakota

Background

Montana-Dakota Utilities generates, transmits and distributes electricity and distributes natural gas to more than 250 communities in Montana, North Dakota, South Dakota and Wyoming. Headquarters for Montana-Dakota are in Bismarck, N.D.

Benefits

Montana-Dakota Utilities will realize significant cost savings with the water treatment upgrade through improvements in efficiency. The same efficiencies are expected for the coal system upgrade.

Challenge

Montana-Dakota Utilities water treatment plant needed to upgrade the TDC 3000 system. In addition, the coal system upgrade required an upgrade of Logic Manager.

“We needed increased efficiency in our coal system and to streamline the water treatment system,” said Shane Jorgenson.

Solution

Montana-Dakota chose Honeywell to upgrade their TDC 3000 system to Experion PKS. Some years ago, Montana-Dakota had taken an initial step by upgrading the operator interface from Universal Stations to the Experion platform. In doing so, they had installed the infrastructure for Experion servers and Experion console stations. This phased approach has enabled Montana-Dakota to take the next step in the upgrade process.

Results

“The solutions we are implementing will change the way our operators work to do their jobs. The water treatment plant is a completely new system. The new system will change the way operators interact with the system, making things much more streamlined,” commented Jorgenson.



Montana-Dakota Utilities Heskett Station

“The phased approach has made it much easier to implement changes and new capabilities into the system.”

About Experion PKS

Experion Process Knowledge System (PKS) integrates an advanced automation platform and innovative software applications to improve users' business performance and peace of mind. Unifying people with process, business and asset management, this distributed control system (DCS) helps process manufacturers increase profitability and productivity. It's the only automation system that focuses on people — making the most of the knowledge they hold. By integrating disparate data across facilities, making the most of resources and people, and feeding it all into a unified automation system, users can achieve an operation that's more proactive, efficient and responsive.

For More Information

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