Improved Operational Availability and Reliability

The ability to respond to the gas market need is critical, which means that the reliability of the engines moving gas in and out of storage is a key.

If the control system does not allow the engine to start when it should or continue running throughout the injection of gas, then it becomes unreliable and of less value to our customer.

Bill Amundsen
Sales Support Manager – Gas Engines
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The Challenge
In the future to ensure installation and operational availability of the engines.
Existing control systems were delivered 12 years ago based on the WECS2000 concept.
The control system consisted of many components which required regular maintenance and the latest control system had features which could not be embedded to the existing system.

Solution
- Proper planning of the UNIC C3 upgrade.
- Engineering, materials and installations of UNIC C3 system and integration of the UNIC C3 to facilitate the external system.
- A team of Wärtsilä experts to remove the existing systems, sensors and cables.
- WECSplorer tool for interfacing the UNIC C3 control system.

Results
- Improved operational availability and reliability.
- Modular design with fewer components which results in less maintenance costs and easier troubleshooting.
- WECSplorer tool offers connection to UNIC C3 systems. Operators can adjust and carry out trouble shooting easier and independently.

Moss Bluff, USA