

ControlWave™ Micro is the Wellhead Solution for One of the World's Largest Oil and Gas Producers

RESULTS

- Easy and error-free upgrade of existing RTUs
- Maximizing asset utilization by keeping the cabinets and field wiring untouched
- Seamless migration by maintaining the same overall monitoring and control architecture
- Same front end user environment, configuration tools (laptops and software) for new RTUs



APPLICATION

Onshore production - upgrading old RTUs to new generation RTUs

CUSTOMER

One of the world's largest oil and gas producers

CHALLENGE

The producer was using a reliable but obsolete RTU at their wellsites for more than three decades. The change in technologies had led to the unavailability of old spare parts and support – and they needed an upgrade quickly.

The main challenge is the production time due to the upgrade, which they could not afford to lose. The asset utilization from the existing installation was always a priority to minimize the cost and maximize the benefits of their investment.

“Emerson’s engineering team was continuously engaged to make this upgrade successful and we appreciate it.”

One of the world's largest oil and gas producers

SOLUTION

The Emerson services/support team took the responsibility of the existing installed base and proposed a smooth and easy upgrade with the ControlWave PAC RTU. It offers rugged, long-term reliability, wide temperature operation from -40°C to +70°C for remote sites, and very low power consumption for solar applications. Additionally, the ControlWave PAC has been designed to meet CE and U.L. Class I, Div. 2 hazardous location requirements.

Emerson kept the cabinet and the field wiring intact while making a new RTU – including I/O racks on pre-wired back plates, which was tested in a staging facility before moving to the actual site. Once completed, Emerson removed the old RTU chassis and installed new a RTU on the spot to make a plug and play process. All the documents and records were updated to reflect the new hardware and software design.

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