

# Panel Upgrade

**APPLICATION:**

DCP Midstream

**ENGINE:**

Waukesha 7042

**LOCATION:**

Northern Louisiana

**ALTRONIC PRODUCTS:**

CPU-95, DE-3000, DET-1600, VSM, Midas, EPC-100

**DISTRIBUTOR:**

Sulzer Turbo Services

**Installation:**

Sulzer Turbo Services

**DATE:**

January 8, 2015

**OVERVIEW:**

DCP Midstream in Northern Louisiana had a Waukesha 7042 being controlled by an outdated (discontinued) Murphy Millennium control panel. They pulled the Murphy panel from the engine and removed the Waukesha ESM control system because of poor engine reliability.

Sulzer Turbo Services installed a complete Altronic engine control panel.

All of the on-engine Waukesha and Murphy control systems were removed. They were replaced with a CPU-95 ignition, VSM vibration system, DET-1600 detonation system, EPC-100E air/fuel ratio controller, and a DE-3000 Annunciator to protect the engine and compressor. All of these components are controlled by a Midas HMI display.

Because this engine was already equipped with newer engine control technology, there was little improvement in fuel efficiency or emissions reduction, but the customer's main

*Out with the old...*



*...and in with the new.*



goal was better reliability. The engine had a significant amount of down time with the old systems. With the Altronic products installed, reliability was significantly improved.

At the beginning of this project a decision was made to reuse the existing thermocouple wiring, but Sulzer's technician ran into some problems and decided it would be better to replace all of the wiring. This added more time to the job, but it also helped to increase reliable.

At the end of the day, DCP Midstream was very happy with the results. They have installed three of these panels to date and are planning to install more as soon as possible.