Cryogenic Gas Plant Solutions (CGPS):

- \( C_1/C_2 \) Ratio Analyzer On-Line Control (Easily Applied To All Fractionation Train Columns).
- Pressure Compensated Demethanizer Bottoms Temperature Control.
- Demethanizer Reflux Pressure Compensated Temperature Control.
- Calculated Reboiler Heat Duty Control.
- Expander/Compressor J-T Demethanizer Pressure Control.
- Gas/Gas Exchangers Load Balancing Control.
- Refrigeration Loading Control.
- Recompressor Speed Control.
- Plant Throughput Control (Inlet Or Outlet Pressure Or Flow).

Benefits:

- Maximize Demethanizer Liquid Recovery Production.
- Maximize Cold Gas Exchangers.
- Maximize Expander/Compressor Recoverable Energy.
- Minimize Recompressors Energy Consumption.
- Minimize Demethanizer "Cold Spins."
- Stabilize Operations.
- Minimize "Wear and Tear" Of Equipment.
- Maximize Plant Safety.

Implementation And Economics:

- Application Can Be Implemented In DCS or PLC Basic Regulatory Control System.
- Application Of This Advanced Process Control Strategy Typically Results In 2% To 6% Increase In Overall Plant Profitability.

Licensor:

- Control Works, Inc., Houston, Texas.