

Novaspect

Novaspect Natural Gas Solutions

Novaspect's Natural Gas Solutions business unit is a leading provider of measurement, instrumentation, engineering services, repair services, pressure regulation and control solutions to the natural gas distribution, transmission and underground storage markets throughout the Midwest.

Our capabilities range from custom engineered flow and pressure monitoring stations at the well-head within natural gas storage facilities to town border station design including odorizers, heaters, and pressure regulation valves/regulators all the way down to the house service regulator controlling the natural gas pressure to your home's appliances.

Through our business partnership with Emerson Process Management, Novaspect is prepared to offer our natural gas customers ideal solutions for their natural gas process control equipment requirements and offer a variety of process control engineering services ranging from up-front project management to aftermarket support.



Regulator Technologies

- Fisher pressure regulators for natural gas distribution and transmission applications. Pilot and self-operated designs for Pressure Reducing, Back pressure, and Slam-Shut service.
- Application Engineering assistance for station design



Odorization Solutions

- Complete customized odorization packages utilizing Tartarini Dosaodor-D pumpless odorizer with Fisher ROC controller, Rosemount measurement and other equipment as required.



Control Valves and Instruments

- Fisher globe valves with DVC6000™ digital controllers for precise control of natural gas pressures.
- Fisher Vee-Ball® and Hi-Ball® rotary control valves for Transmission service.
- Low Bleed local pneumatic pressure controllers.



Remote Automation Solutions

- Fisher ROC and FloBoss RTUs and flow computers
- Bristol Controlwave RTUs & Flow computers



FreeWave Technologies

- Wireless data radio solutions provide seamless, reliable, scalable, high sensitivity, low power solutions for the oil & gas industry, including high speed Ethernet, serial, and wireless IO.
- Maximize production and reduce operating costs through remote monitoring of gas flow measurement, well head automation, compressor stations, tank levels, valve control, temperature & pressures, Dynagraph information, Cathodic protection and more.

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Cata-Dyne Gas Catalytic heaters / line heaters / pilot gas heaters

- Line Heaters for high pressure natural gas prior to pressure reduction to prevent the formation of hydrates.
- Gas Preheaters prevent freezing at compressor stations and metering sites where pressure have to be reduced. Often used for gas chromatographs, valves, pilots, and other low flow instruments.
- Space heating for buildings



3L Gas Filter Separators

- Remove moisture, liquid mists, aerosol and contaminants from hydrocarbon gases in metering and regulation stations, compressor stations, and Natural Gas plants, etc.

Proportion Air

- Use Natural gas to remotely change the set point of a regulator or valve using an electrical control signal



Novaspect Project Execution Services

- Project Management
- Application Engineering
- Project Framing & Document Development
- Systems Engineering and Software Design
- Implementation and Startup
- Training and Education Courses

Repair, Diagnostics and Maintenance Services

- Comprehensive start-up, diagnostic, repair, and maintenance services utilizing local service organizations.

Asset Optimization Services

- Control Valve & Regulator Repair and Rebuilding
- Performance Improvement Services
- Loop Audits and Outage Management
- Maintenance Contracts
- Valve Diagnostics
- Advanced Process Control
- Rotating Equipment Monitoring & Diagnostics
- Operator Qualification