

Natural Gas Industry Solutions:
Advanced Process Controls & Expertise

Novaspect

Natural Gas Industry Process Solutions



Shown above: natural gas valve application fitted with VRG control system; below: typical natural gas valve automation includes Bettis actuator fitted to specific on/off valve; at left: technicians inspect a gas regulator station comprised of a Fisher TypeEZH and EZHSO; far below right: typical commercial Fisher CS803 Regulator configuration.



- Ensure Safety
- Provide Local Support
- Meet Environmental Standards



Novaspect

Natural Gas Solutions



The Novaspect Natural Gas Solutions business unit provides pressure regulation and control solutions, measurement, instrumentation, engineering and repair services to the natural gas industry throughout the Midwest.

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.

Our capabilities include:

- **Measurement at the well-head both oil / gas field and storage facility.**
- **Custom engineered flow and pressure regulation station design.**
- **Meter set regulation.**

Regulator Technologies

- Fisher pressure regulators for natural gas distribution and transmission applications. Pilot and self-operated designs for pressure reducing, relief and slam-shut service.
- Application Engineering assistance for station and meter set designs.
- Industrial and commercial regulators, well-suited for fixed factor applications.

Control Valves and Instruments

- Fisher globe valves with DVC6200™ 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.
- ControlWave RTUs & Flow computers.

Odorization Solutions

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



FISHER



FISHER



FloBoss



ControlWave

Novas

VRG Controls

- VRG engineers and manufactures high performance control valves and control instrumentation for natural gas regulation. VRG control instrumentation features simplicity and reliability specifically designed for gas pipeline applications.
- Our philosophy is to provide the highest quality instrumentation in tandem with an environmentally responsible approach. All VRG control instrumentation offers zero emissions capabilities that are good for the environment.



Rosemount Analytical Flare and Gas Detection

- Rosemount Analytical is an industry leader in the design, development, and manufacture of fixed toxic and combustible gas detection, flame detectors, and specialized safety and security products for harsh, industrial environments.



ROSEMOUNT
Analytical

Cata-Dyne Gas Catalytic Heaters / Pilot Gas Heaters / Line Heaters

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

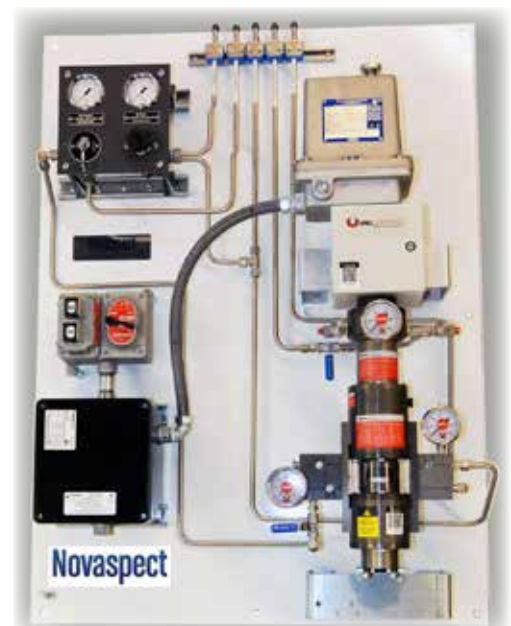


Cata-Dyne

Novaspect Project Execution Services

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

Custom configuration of components and natural gas service panels are completed by technicians at the Novaspect warehouse facility in Schaumburg, IL.



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Natural Gas Industrial Production: Advanced Process Controls & Expertise



Novaspect Mechanical Services

- Comprehensive start-up, diagnostic, repair and maintenance services utilizing local organizations.
- Control Valve & Regulator Repair & Rebuilding
- Maintenance Contracts
- Valve Diagnostics
- Advanced Process Control
- Operator Qualification



Novaspect Valve Automation

- Pipeline Ball Valves
- Automated Shutoff Valves (ASV)
- Remote Control Valves (RCV)
- Emergency Shut Down Valves (ESD)
- Gas, Gas/Hydraulic & Electric-Operated Valves

Novaspect Training Classes

- Emerson factory training by experts
- On-site sessions conducted at customer location



Novaspect

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Novaspect, Inc. provides project engineering solutions, process automation technology, and life-cycle reliability and condition monitoring services to manufacturers and process industries. We engineer and sell process controls, valves and distributed control systems, representing Emerson Process Management through our offices in Illinois, Indiana, Wisconsin, Minnesota and North Dakota. For more information about our innovative technology solutions, visit www.novaspect.com

*Novaspect, Inc. is a
Local Business Partner of*

