

## **Natural Gas Industry Solutions**



## **COMPRESSION**



We specialize in process automation for natural gas compression, a crucial industry that ensures the safe, efficient transport and pressurization of natural gas for distribution. By optimizing compression processes, we help enhance system reliability, minimize energy consumption, and support the smooth flow of energy resources to consumers.

- Process Instrumentation
- Isolation and Control Valves
- **Vibration & Condition Monitoring**
- Start-Up & Commissioning Field Services

## DISTRIBUTION

We enhance system performance, reduce energy loss, and help our

LDC's safely supply natural gas to consumers. By optimizing

distribution processes, we support the safe, reliable, and efficient

delivery of energy to homes and businesses.

Pressure Management Overpressure Protection

Hydrogen Blending

**RNG Receipt Stations** 

Direct Operated Regulators | Pilot Operated Regulators

Regulator Monitoring Station | Slam Shut Valves

Odorization











**Bettis**<sup>™</sup> **CROSBY**<sup>™</sup>

> **ENARDO**™ FISHER™

**Brands** 

 $\mathbf{AMS}^{^{\mathsf{TM}}}$ ANDERSON GREENWOOD™

> FLOBOSS™ **KEYSTONE**<sup>™</sup>

ROSEMOUNT" **VANESSA**<sup>™</sup>

VAREC™

SlipStream<sup>®</sup>

**CALTROL** 

- **Turn Key Solutions**

### Control Valves | V-Ball Valves | Electric Actuators | UltraSonic Flow Meters | Isolation Valves | AMS Asset Monitor | Wireless & Route Based Solutions | SlipStream | Odorization | Instrumentation Calibration | Valve Repair Technicians | Automation Engineering

**STORAGE** 

Our natural gas storage solutions, ensure the safe, efficient management

and optimization of gas reserves. By streamlining storage operations, we enhance system reliability, improve inventory control, and support the

secure and steady supply of natural gas to meet fluctuating demand.

## **TRANSMISSION**















**Emerson Impact Partner** 



We support process automation for natural gas transmission, ensuring the safe, efficient movement of natural gas across vast distances. By optimizing transmission processes, we enhance pipeline reliability, reduce operational costs, and support the seamless delivery of energy to communities and industries.

- Remote Monitoring and Control
- Measurement

FloBoss | Gas Chromatographs | L3 Solutions | SCADA | Electric Actuators | Rosemount Ultrasonic Flowmeters | Analyzers

Flame Arrestors | Tank Vents | Hatches | Pressure Relief Valves | Dump Valves | Pad & Depad Regulators

**Asset and Tank Protection** 

**Emissions Control** 

### **Caltrol Locations**

### **Ontario Office** 3536 Concours St. Suite 305 Ontario, CA 91764



## **Natural Gas Industry Solutions**



### **HYDROGEN BLENDING**



As the world looks to decarbonize its energy sources, hydrogen has emerged as a promising new energy source to help us reduce emissions. Emissions associated with burning fossil fuels can be reduced by injecting hydrogen directly into a natural gas distribution system, displacing existing fossil fuel consumption.

Our turnkey hydrogen blending solution gives suppliers the confidence to accurately blend hydrogen into their existing natural gas pipeline network with minimal effort or expense.

- Blending hydrogen into flowing gas streams
- · Concentration verified by an online analyzer
- Compensates automatically for accurate

### RNG-RECEIPT

By capturing methane emissions from organic waste sources such as landfills, wastewater treatment plants, and agricultural waste, RNG can provide a reliable and renewable source of natural gas. This can displace traditional natural gas consumption and help reduce greenhouse gas emissions, while also providing economic benefits and promoting waste reduction.

Our turnkey RNG-Receipt solutions ensure that renewable natural gas generated from a variety of feed stock sources meets the quality specifications required for distribution.

- · Intakes renewable natural gas
- Measures, analyzes and odorizes
- · Sends to distribution
- · Returns gas if out of spec



# NATURAL GAS & HYDROGEN ODORIZATION

Natural gas brings vital energy to homes and businesses in your community. With our turnkey IOTA Series Natural Gas & Hydrogen Odorization Solutions, you can rest assured it's being delivered responsibly. The simple mechanical design ensures consistent concentration of odorant, even when flow rates vary, for an exceptionally reliable performance.



Improving productivity, managing emissions, and ensuring no leaks are daily challenges for operators and areas of focus for regulators.

Our IOTA Series Odorizers incorporate both active and passive technology to deliver the most sophisticated industrial mercaptan for natural gas solutions.

- Continuous modulating injection system suitable for high pressure, higher volume applications (MMSCFH range)
- Closed system
- Precise mass metering with Coriolis flow meter
- Flow computer/controller with injection data history and alarm history

## **CONTINUOUS EMISSIONS MONITORING**

Reliable, stable analytical technologies for continuous emissions monitoring can ensure compliance and improve overall performance and insight into an operation.

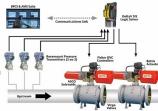
- Measures and reports pollutants emissions from industrial sources
- Low maintenance and low lifetime cost of operation
- Continuous health diagnostic reporting
- Intuitive, simple front panel user interface allows complete access to instrument



# HIGH INTEGRITY PRESSURE PROTECTION SYSTEM (HIPPS)

High Integrity Pressure Protection Systems are designed to enhance or replace over pressure protection traditionally addressed with mechanical relief and flare systems.

- · Cabinet Design, Fabrication and Configuration
- SIL Certified Automation Components
- SIL Verification Calculations
- · Partial Stroke Test Calibration and Training



8AM-5PM M-F AND EMERGENCY 24/7 SUPPORT CALL TOLL FREE (877) 827-8131