



Instrumentation & Control Engineering Excellence for Industrial Compression Systems & Other Rotating Equipment

Your Trusted partner for I&C Solutions in the Energy, Petrochemicals and Process Industries

We help plant owners and operators optimize safety, reliability and efficiency of rotating equipment through expert consulting in instrumentation and control systems

Why Choose Us?

- ✓ 25+ Years in Turbomachinery Control & Process Safety
- ✓ Independent, Vendor-Neutral Expertise
- ✓ Proven Track Record in CAPEX, Revamps & Troubleshooting
- ✓ Deep Knowledge of API, ISA, IEC & NFPA Standards

Industries Served:

- Natural Gas Transmission
- Refining & Petrochemicals
- Hydrogen & Ammonia Production
- LNG & Gas Processing
- Power Generation
- CO₂ Sequestration & EOR

Our Core Services



ENGINEERING & DESIGN

- P&ID Review & Instrument Index Development
- HAZOP, LOPA, SIL Verification
- SIS & Control System Hardware Design
- Control Logic Design (PLC, Safety PLC)
- Control Narratives, SRS, C&E, IPL List
- System Architecture & Network Design
- Valve, Flow Element Sizing, Instrument Selection & Data Sheets



FIELD SUPPORT, DIAGNOSTICS & TROUBLESHOOTING

- Field Troubleshooting of Malfunctioning Systems
- Compressor Surge Control Performance Review
- Root Cause Analysis for Shutdowns & Trips
- Support of Loop Checks, FAT/SAT, Commissioning



PROJECT & TECHNICAL CONSULTING

- Revamp Feasibility Assessments
- Independent Design Reviews
- Owner's Engineering Support
- Vendor Coordination & Technical Clarifications
- Control Panel Design Oversight
- Instrumentation and Controls Regulatory Compliance

Contact Us for a Free Initial Consultation

Based in Katy, Texas – Serving Clients Worldwide



consulting@compressionenergy.com



[\(832\) 437-3774](tel:(832)437-3774)



<https://compressionenergy.com>

