

OIL & GAS AUTOMATION SOLUTIONS



Overview

- Advanced automation solutions designed for upstream and downstream oil & gas applications requiring high reliability and redundancy.

Applications

- Sulphur Recovery Units
- Vapour Recovery Units (VRU)
- Chemical Injection Skids
- Flare Systems
- Compressor & Analyzer Integration
- Utilities Monitoring

What We Deliver

- Simplex & Redundant PLC Architectures
- SCADA Integration
- Advanced Alarm & Permissive Logic
- High-Availability Network Design
- Analyzer & Instrument Integration
- Commissioning & Start-Up Support

Key Benefits

- Enhanced process reliability
- Improved plant safety
- Reduced unplanned shutdowns
- Seamless integration with existing systems
- Optimized performance monitoring

Completed Projects

- Delivered redundant PLC panels integrated with Siemens S7-400H and PCS7 SCADA for high-availability gateway applications (Saudi Aramco).
- Delivered redundant PLC panels for sulphur recovery unit upgrade at Ras Tanura (Petronash Arabia – Saudi Aramco project).
- Delivered redundant PLC system for Vapour Recovery Unit (VRU) automation with advanced alarm & permissive logic (Saudi Aramco).
- Delivered redundant PLC panels for chemical injection skid applications (Saudi Aramco).
- Delivered simplex PLC panels for new chemical injection skids (Saudi Aramco / Al Suwaidi).
- Delivered redundant PLC panels integrated with compressors, gas analyzers, pressure & flow instrumentation (Saudi Aramco).
- Delivered simplex PLC panels for flare skid automation (Saudi Aramco).
- Upgraded simplex PLC system for diesel generator monitoring (Saudi Aramco).
- Upgraded simplex PLC system for injection skid applications (Saudi Aramco).
- Delivered RTU systems for utilities monitoring with seamless SCADA integration (Saudi Aramco).
- Deploying redundant PLC panels for new chemical injection skid automation (Saudi Aramco project phase).
- Deploying additional redundant PLC panels for chemical injection skid automation (Saudi Aramco).