Proeon SYSTEMS

Innovatively Engineered Solutions

Systems

KEY FACTS

Locations: UK & Worldwide

Scope of work: Design, manufacture, test and commission of PLC based automated control systems for potentially explosive atmospheres (hazardous areas).

PLC systems:
- Siemens S7-300
- Rockwell CompactLogix & ControlLogix
- GE-Fanuc 90-30
- Schneider Quantum PLC

Third party interface options:
- MODBUS Serial RS485
- MODBUS TCP/IP
- SIEMENS PROFINET/ IP
- Rockwell Automation Ethernet/IP
- Simplex and Dual Communications Options
- Hardwired interface to third party packages including motor control centres MCC.

Hazardous areas:
ATEX & IEC certified for Zone 1 & 2 applications using a variety of Exd, e and n protection methods were applicable.

Applications:
- Pump Control Systems
- Methanol Injection Skid
- Automated Processes
- Remote Telemetry Units (RTU)

Project Profile

Automation Control Systems for Potentially Explosive Atmospheres

Proeon Systems specialise in the design and manufacture of high quality industrial control panels for installation within potentially explosive atmospheres.

Proeon Systems supply control systems based upon all major Programmable Logic Controllers (PLC) manufacturers to meet clients' exact needs. Proeon Systems take the user requirements and develop detailed functional design specification, electrical schematics and all necessary interface documents. These base documents enable the manufacture of the hazardous area control panel and development of the PLC control software.

Each system is integrated and tested at our clients' site to ensure the process requirements have been satisfied.

PLC architectures can include simplex, dual redundant and hot standby to suit client requirements. Safety PLCs can also be supplied to provide integrated control and safety solutions.

Optional configurations are available for simplex and dual communication links to provide data handoff to site/platform supervisory systems. Proeon Systems can also provide suitable test equipment to emulate and validate these interfaces. Systems are available with hardwired interfacing direct to motor control centres (MCC) or with option for fully certified and integrated MCC if required.

Proeon Systems represents engineers from a variety of oil and gas, power generation and industrial process environments and can build upon this wide and varied experience. Please contact Proeon Systems for further details.

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