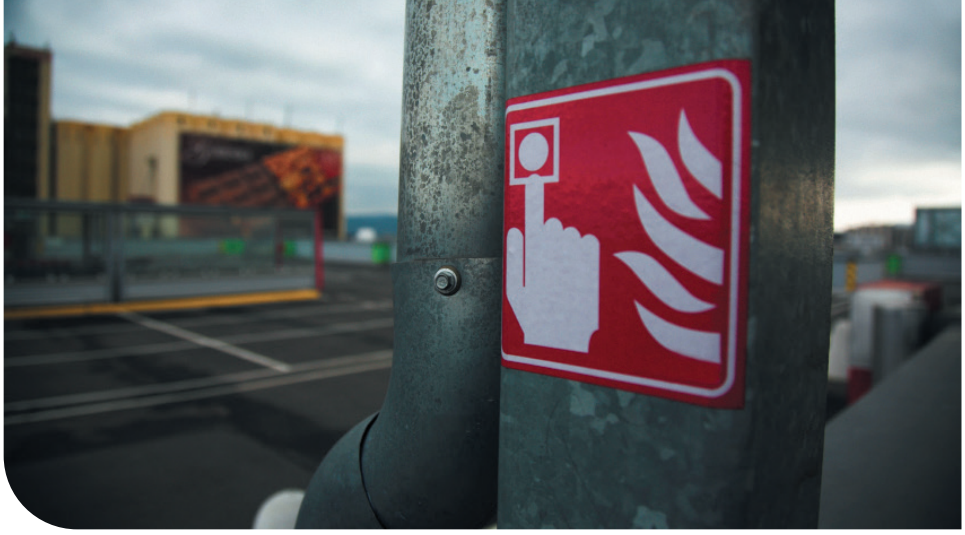
Proeon SYSTEMS

Innovatively Engineered Solutions

Systems



KEY FACTS

Location: UK, North Sea

Scope of work: Design a replacement Fire & Gas (F&G) system for a North Sea platform that is undergoing refit and the addition of a new deck. Proeon would also support installation and commissioning of the system offshore.

Project brief: To design a F&G system that replaced an existing Silvertech ESD / F&G system. Interfaces to existing Rosemount RS3 PCS and to the new field devices.

Typical hardware: Scame Sistemi S81-HS - SIL 2 and SIL 3 capable system with a hardwired panel-mount matrix display

Hazardous areas: Safe Area mounting with zone 1 mounted field instruments.

Applications:
- Platform monitoring
- Flame detection
- Gas detection
- Beacons and status lamps
- MAC
- SOVs and fire dampers

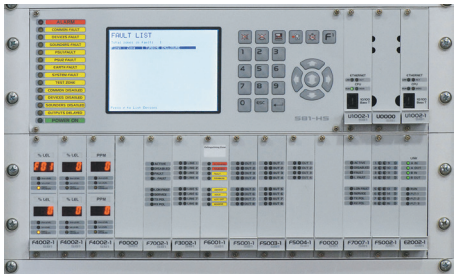
Project Profile
Replacement Fire and Gas Systems

Proeon were asked, as part of their 'Systems' offering, to design a replacement Fire and Gas (F&G) control panel solution for a for a premier North Sea operator. The production platform is one of a number of brownfield sites being upgraded to extend production and operational lifetime.

The system design evolved from a client requirement specification to provide a SIL2/3 capable system that could interface with the existing detectors and field equipment on board the platform as well as accept new I/O from the additional deck which was being constructed.

The system design made use of the Scame Sistemi S81-HS programmable F&G controller, a dedicated industrial fire and gas panel.

Status information on specific zones can be analysed remotely through on-board communications, and the hot-swappable CPU and I/O modules allow for flexibility and reduced down time for add on and maintenance works. A built-in LCD display provides extensive front line diagnostics without the need of external diagnostic tools.



Proeon Systems has supplied the field instruments including flame, open path gas, manual call points and beacons. Tests were undertaken to ensure compatibility with both new and existing field instruments.

Proeon Systems provided a team of engineers to deliver a complete range of services from concept design, CAD, detailed design through to installation, commissioning and maintenance. This project has demonstrated the flexibility and knowledge of Proeon to understand the client's problems and develop a solution to satisfy the client's needs.

SCAME SISTEMI

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