



Oil & Gas

Light Current Solutions

The Oil & Gas industry is potentially one of the most hazardous industry sectors. With the risk of flammable chemicals, vapors, gases, equipment, and processes undergoing high pressure, organizations are bound by the responsibility of ensuring safe working conditions for their workers and protecting property and assets against any damage.

Leveraging its technical capabilities, extensive experience, as well as its partnership with global leaders, pulse by solutions develops and deploys a wide range of end-to-end industry specific safety and security solutions.

Our solutions include:

Automatic Mustering and Personnel Tracking Solutions

Considered one of the main security systems for designated hazardous areas, the solution improves worker safety and manages critical work areas. The solution uses highly durable and rugged equipment that is fully certified against hazardous area conditions. It is a web-based visibility software that tracks, locates, and monitors employees from a single platform, using a range of active and passive RFID-based tracking systems. The system is capable of personnel identification as well as direction of movement.

In cases of emergency, the solution enables mass site evacuation through the provision of dynamic counts of personnel at different site locations.

Solution Benefits

- Real-time personnel location
- Automatic mustering and condition monitoring of muster points
- Critical area management
- Mass site evacuation
- Improved security

Real-time Video Surveillance Solutions

Our surveillance solution offers a network of high quality, explosion-proof CCTV cameras, specifically ruggedized to withstand extreme temperatures and conditions. The video surveillance solution provides video analytics that use an algorithmic software, which automatically detects certain conditions such as motion and unattended objects; and accordingly sets off alarms when necessary.

Solution Benefits

- Remote monitoring of equipment and operations
- Ability to operate continuously for long periods of time
- Visual confirmation of alarms

Public Address and General Alarm (PAGA)

A Public Address and General Alarm (PAGA) system is a high quality audio amplification system that allows addressing an audience through audio-broadcasts and voice alarms. PAGA systems include microphones, amplifiers, loudspeakers and mixing consoles to combine and modify multiple sources all of which are high quality equipment to provide coverage and wider distribution of sound throughout indoor and outdoor public venues.

Solution Benefits

- Broadcast of voice messages and alarm signals
- Manual and automatic public address
- Voice evacuation

Optical Fiber Perimeter Security Systems

The Perimeter Security System is an intrusion detection system that uses optical fibers to secure critical work sites against explosions, sabotage and terrorist activities. It is used in external environments to detect the presence of an intruder at pipelines or the attempt to breach site perimeter. The system uses controllers that signal any intrusion by converting optical fiber disturbances detected to intrusion locations on the map.

Solution Benefits

- Protection of assets
- Cut resilience
- Improved probability of detection (POD)
- Reduced nuisance alarms