

ZONITH

Oil & Gas Safety Solutions

ZONITH APPLICATIONS INCREASE STAFF SAFETY AND COMMUNICATIONS IN NATURALLY REMOTE AND HARSH ENVIRONMENTS

ZONITH solutions monitor technical and emergency alarms from a variety of sources. Together with the easy-to-understand Alarm Display they provide a complete alarm overview to the control room staff.

This situational awareness gives management and security personnel complete visibility of employees and assets in emergency situations. This results in faster and more accurate fault resolution, decreasing and ultimately avoiding downtime.





Offshore oil & gas facilities operate under harsh environmental conditions with limited resources for handling emergencies. ZONITH utilises the existing mobile communications network and infrastructure to provide a safer and securer communication solution.

Solutions can be tailored to respond to unique operational challenges, and can be creatively bundled to forge solutions that fit specific needs.

FUNCTIONALITY

- **Alarms from systems**
Fast detection of faults in equipment can be the difference between life and death in the oil & gas industry. ZONITH provides a wide range of alarm input types from simple Serial/ASCII to complex OPC listeners. Each can be configured to trigger specific alarms according to importance.
- **Emergency alarms from staff**
Quickly raising alarms from a portable device is key to the protection of staff. The ZONITH solution supports a variety of professional radios and handheld devices, all with intergrated easy to reach emergency buttons. Once pressed the right staff members or security personnel will be alerted, instantly.
- **GPS Positioning**
The ZONITH Real Time Location System (RTLS) can be used for both indoor and outdoor positioning. Many professional radios and other handheld devices have built-in GPS, so outdoor workers can raise alarms, knowing that first responders will be made aware of their exact location. Addresses or descriptive names like "pump 2" will be shown in clear text on radios and other handheld devices.
- **Automatic alarm dispatch (Lone-worker, man-down)**
The ZONITH Alarm Control System (ACS) monitors lone-worker and man-down alarms from professional radios or other handheld devices and can notify and escalate these alarms to ensure the right person quickly assists those in distress, further safeguarding staff.
- **Alarm Display**
The ZONITH interactive Alarm Display shows the status of alarms on large monitors and/or touch screens. Multiple Alarm Displays can be mounted at multiple points around the facility, giving control room staff enhanced situational awareness.