team on mission

OIL & GAS

ACT
AS
ONE

An all-in-one flexible and secure solution that supports companies in the Oil and Gas industry to meet critical operational and safety requirements.

Team on mission is a mission-critical communication solution designed and built with the necessary robustness to adapt to the most hazardous work environments of the Oil and Gas sector, offering the required communications capabilities for maintenance, production, safety and security staff, all supported by our international class operational services.

- MCX: MCPTT, MCVideo, MCData
- Mission process management
- Geolocation (indoors, outdoors)
- PMR, interoperability with TETRA
- Secure file sharing
- Emergency features

3GPP
A GLOBAL INITIATIVE

ETSI
MEMBER

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STREAMWIDE

The challenges

• Employees are in a permanent high-risk of suffering occupational accidents working in facilities mostly located in remote and harsh environments, making the access for first responders a challenge in case of emergency. Keeping them connected and informed is key to a safe and efficient workplace.

• Leaks in pipeline networks can result in serious ecological disasters, human casualties, financial loss and damage to the firm's reputation. Problems must be detected quickly so that the response can be organized as fast as possible.

• Ensure reliable communications and secure data transmission over long distances and to remote locations (offshore/on-shore).

The solution

• Responsiveness during a critical situation or emergency

- Our emergency features (emergency call/ message, Man-Down) allow dispatcher to locate people and contact first-responders, all in the same platform.

- Integrated with ATEX beacons for hazardous areas, team on mission can monitor toxic chemicals in real-time and locate persons or assets in areas where GPS signal is not available.

• IoT integration

- Smart sensors can be integrated to team on mission for pipeline monitoring and oil leakage detection, so that they not only identify early-stage damage, but also its location and severity. Alerts will be sent to the mobile app in real-time.

• Private LTE and satellite communications

- Two integration options:
  • RoIP gateway with a donor radio simulates an PMR terminal.
  • Radio core gateway interfaces with the PMR core servers.

• **Team on mission** offers seamless and reliable connectivity delivering voice, data and video, for all business operations onshore and offshore, by leveraging LTE wireless for high bandwidth and low latency, with instantaneous failover to satellite where cellular service is unavailable.

• It can be integrated with existing PMR systems such as Tetra, Tetrapol or P25 with a radio gateway.

A wide range of compatible ruggedized and ATEX devices

All equipment and protective systems intended to be used in hazardous areas in industries like Oil & Gas in the EU must meet ATEX health and safety requirements.
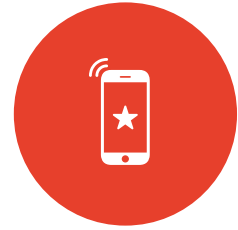
For instance, ATEX beacons for hazardous areas can be integrated with team on mission to locate users in real-time in offshore facilities or underground bases where GPS signal is not available.

Detect cyber threats in time and avoid breaches

In order to detect intrusions and APT (Advanced Persistent Threats), the application server is monitored and audited using "Audit" and "AIDE" (Advanced Intrusion Detection Environment).

If unauthorized changes to the system and configuration are detected, it is possible to perform full traceability of actions to allow backtracking of events in case of a breach.

Prioritise calls based on their type

Team on mission has the capability to specify priorities between communications based on the type of the calls. The call type with higher priority will obtain recourses of the system.

Thus, any user will be interrupted in a channel if dispatcher (who has a higher priority) enters to alert all the staff about an emergency.