

SAFETY FIRST

MAN-DOWN / LONE WORKER
SOLUTIONS

LOCATION TRACKING
SOLUTIONS



SAFETY IN INDUSTRIAL ENVIRONMENTS

SAFETY AND PPE (PERSONAL PROTECTIVE EQUIPMENT)

MAN-DOWN AND LONE WORKER SOLUTIONS

Safety procedures and activities aim to make the **workplace a safer, more efficient place to work and immune from legal action** in the event of an accident.

Man-down and **lone worker devices** and systems are important tools to **protect workers**, allowing a real and significant reduction in risk.



SAFETY IN INDUSTRIAL ENVIRONMENTS

RADIO SYSTEMS SOLUTIONS

1. PMR PRIVATE RADIO NETWORKS



2. MAN-DOWN AND TRACKING



3. SAFETY AND EMERGENCY
MANAGEMENT SOLUTIONS





PMR PRIVATE RADIO NETWORKS

RADIO DEVICE- ESSENTIAL COMMUNICATION DEVICE

ORGANISATION AND WORK MANAGEMENT

- ➔ PMR radio networks and radio tools make it possible to **organise workgroups and department units efficiently.**
- ➔ Greater **workers' organisational efficiency.**
- ➔ Greater **rescues' efficiency** in case of **emergency.**

PRODUCTION AND OPERATING EFFICIENCY

- ➔ Quick and **prompt communications**
- ➔ **Quick decision making** and easy feedback.
- ➔ Climate of security and **team spirit promotion.**





PMR PRIVATE RADIO NETWORKS

RADIO DEVICE- ESSENTIAL COMMUNICATION DEVICE

RADIO NETWORKS AND DEVICES FUNCTIONS

- ➔ **MISSION CRITICAL**
- ➔ **Man-down** and lone worker systems
- ➔ Indoor and outdoor **location tracking**
- ➔ **Emergency notifications**
- ➔ Events and communications **recording**
- ➔ Integrations with **alerting and PA/GA systems**
- ➔ Work and emergencies management through **dispatcher systems**





MAN-DOWN AND LONE WORKER SOLUTIONS

RADIO DEVICE – ESSENTIAL PERSONAL PROTECTIVE EQUIPMENT (PPE)



The **PMR digital radio system** can be used also for **signalling general alerts** (technical or emergency alarms) to the entire radio fleet.

Alarm signalling is **generated directly via the radio network** and therefore on a **proprietary, independent and dedicated resource** for **reliable emergency management** with total control.





MAN-DOWN AND LONE WORKER SOLUTIONS

RADIO DEVICE – ESSENTIAL PERSONAL PROTECTIVE EQUIPMENT (PPE)



PERSONAL SAFETY

The radio can provide the following functionality to support individual safety:

- Man-Down
- Lone Worker
- Location tracking and rescue alerting
- Emergency button
- Events and communications recording





MAN-DOWN AND LONE WORKER SOLUTIONS

RADIO DEVICE – ESSENTIAL PERSONAL PROTECTIVE EQUIPMENT (PPE)

Radio systems and devices enable operators to work safely in daily and emergency activities:

- The equipment provided to staff can **send an automatic alert** when an anomaly in the worker's posture or behaviour is detected;
- The operator can **voluntarily activate the emergency** via a special button;

The alarm signal is sent to the other devices in the field and to a dispatcher which can alert the personnel in charge and locate the injured person (more advanced functions).





MAN-DOWN AND LONE WORKER SOLUTIONS

RADIO DEVICE – ESSENTIAL PERSONAL PROTECTIVE EQUIPMENT (PPE)

Types of alarm



- **Immobility alarm:** the alarm is sent if the person remains motionless for too many seconds



- **Tilt alarm:** the alarm is sent if the person's chest tilt exceeds a certain degree (preset)

SOS



- **Voluntary alarm:** the alarm will be sent when the button on the terminal is pressed voluntarily



- **Lone worker:** the device sends an alarm signal if not periodically silenced





MAN-DOWN AND LONE WORKER SOLUTIONS

RADIO DEVICE – ESSENTIAL PERSONAL PROTECTIVE EQUIPMENT (PPE)

OUTDOOR

Through GPS/GNSS

Location of the worker in outdoor areas, for itinerant staff.



LOCATION TRACKING

INDOOR

Through BEACON Bluetooth

Beacons are placed inside the premises; in case of alarm, radio devices communicate the position associated with the beacons.



SAFETY AND EMERGENCY MANAGEMENT SOLUTIONS



RADIOBOX

EMERGENCY AND COMMUNICATION RADIO SYSTEM IN INDUSTRIAL ENVIRONMENT

Wireless PA/GA (Public Address & General Alarm) solution, allowing you to:

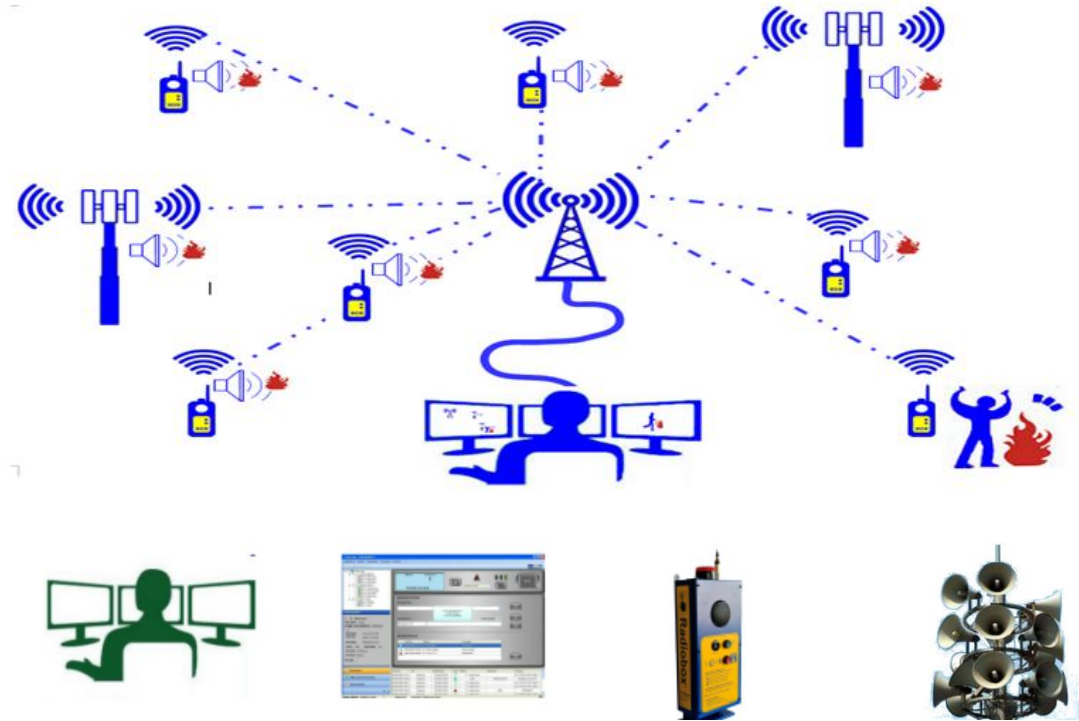
- Send and receive **emergency alerts**
- **Communicate directly** with the operator handling the emergency
- **Centralise emergency management**
- **Daily use for broadcasting messages** in factories and offices



SAFETY AND EMERGENCY MANAGEMENT SOLUTIONS

RADIOBOX

EMERGENCY AND
COMMUNICATION RADIO
SYSTEM IN INDUSTRIAL
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