SafetyNet™

COMMUNICATE INNOVATE LOCATE

SafetyNet™

WINDFARM

Providing robust communications for personnel working on, and travelling between turbines.

SafetyNet Windfarm

SafetyNet Windfarm has been designed to provide for the safety of people working on offshore windfarms to give them peace of mind that they are monitored at all times.

SafetyNet Windfarm is the ultimate solution for monitoring the location of individuals. It is designed to ensure a rapid, effective response when an alarm on the system is activated by providing real-time location information to others on the system and indicate if help is required.

Providing robust, reliable and responsive communications; SafetyNet Windfarm delivers the definitive package for dedicated people monitoring in extreme environments.

SafetyNet Windfarm three main categories:

Gateway Repeater

A dedicated radio channel optimised to work inside each turbine and link voice communications to the main site wide TETRA system using a Gateway Repeater.

Location Beacon

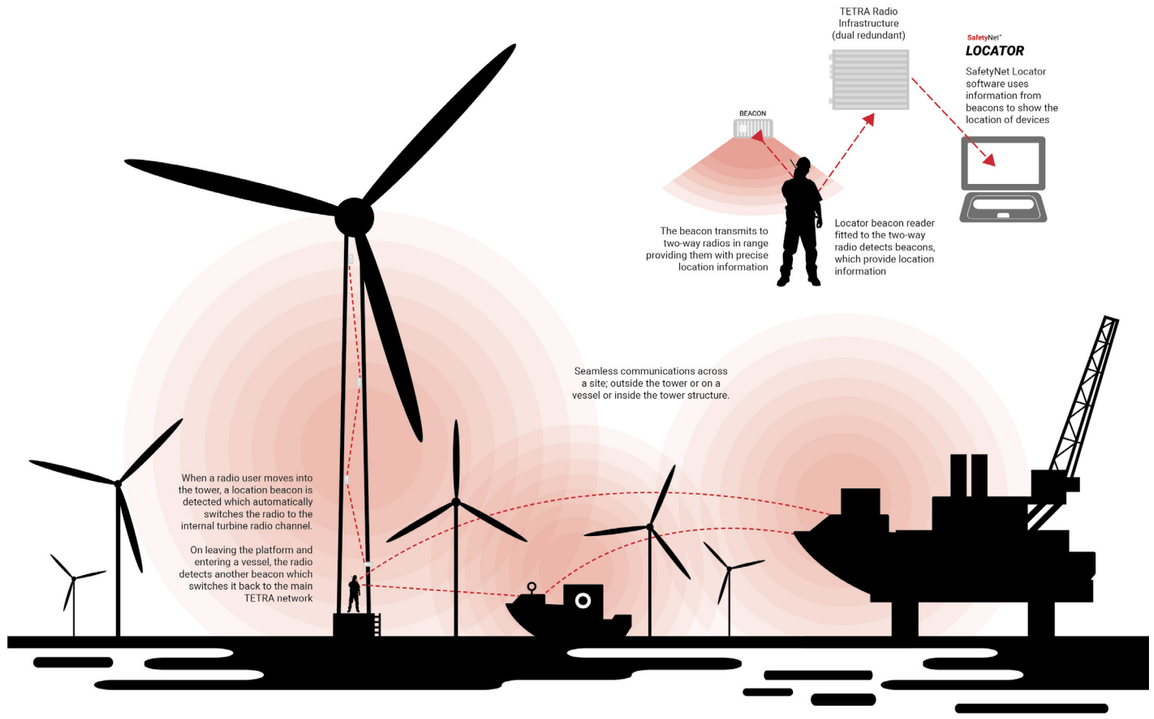
When a radio user moves in the tower, a location beacon is detected which automatically switches the radio to the turbine channel. When they leave and enter a vessel, the radio detects another beacon which switches it back to the main Tetra network. The beacons can also track asset tags moving into a tower or vessel.

Track and alert

SafetyNet Locator software can monitor the location of a person and assets to generate alerts triggered by:

- Movement of radio users entering a designated area using location beacons or GPS
- Tracking of Assets or personnel passing through areas monitored by location beacons in each tower, vessel or placed in areas of specific interest.
- Lack of movement, or Man Down on a radio i.e. when the radio detects that is has been lying on its side for an extended period
- Safety Poll on a radio i.e. when the radio user does not responded to an automatic poll to confirm that they are okay
- The use of an emergency or duress button on a radio or a dedicated personal alarm.

How does SafetyNet Windfarm work?



SafetyNet Windfarm systems generally have three main requirements:

- **Reachability:** Turbine towers are constructed of steel and therefore create an almost impenetrable Faraday cage which prevents radio signals from outside transmitting within the tower structure. Once inside the turbine, technicians will lose the ability to communicate.
- **Response:** To ensure radio coverage both inside and outside the turbine towers we have developed a system that can provide a dedicated radio channel optimised to work inside each turbine and link it to the main site-wide TETRA system using a Gateway Repeater.
- **Robustness:** SafetyNet Windfarm has to deliver seamless communications between land based control rooms, offshore service platforms, service vessels, workers within the field and workers inside a turbine tower.

How can we help you?

PMR Products can provide a complete package from initial survey and consultation through design, manufacturer, software applications development, installation and commissioning. PMR also provides a complete lifetime support package through on-site services and remote support. A fully managed service can be made available with flexible finance options to fit in with your specific funding needs balancing CAPEX and annual spending needs.

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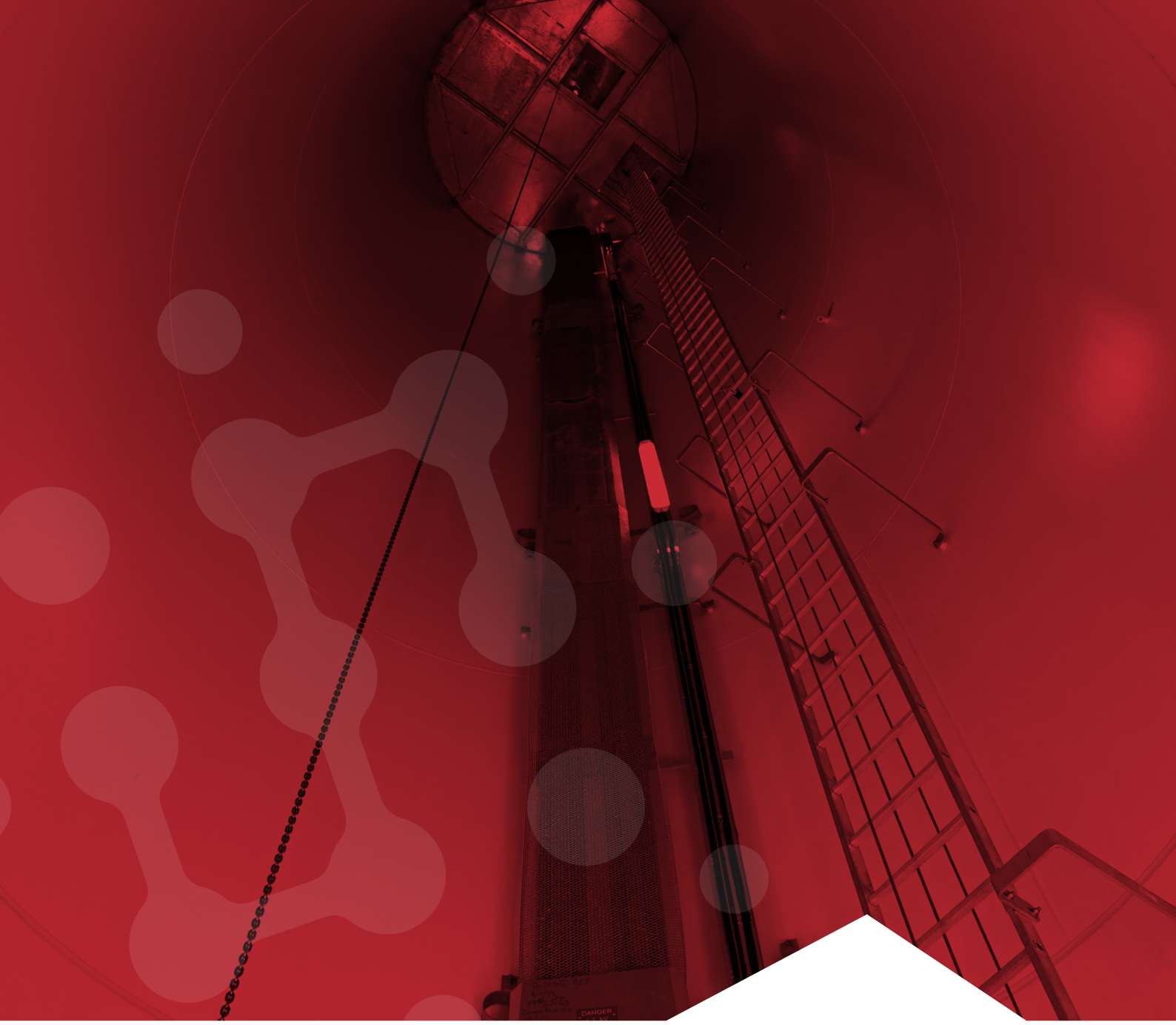

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Evets House
Station Rd
Chepstow
NP16 5PB
United Kingdom

(+44) 01291 629 333
sales@pmr-products.com
pmr-products.com

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British Assessment Bureau
ISO 9001
QUALITY MANAGEMENT

British Assessment Bureau
ISO 14001
ENVIRONMENTAL MANAGEMENT