



**shawcity**

Life-saving solutions



# NEW: Breakthrough in Offshore Safety

## Enhancing protection and communication for workers at sea through connected technology

Offshore oil and gas rigs are some of the most hazardous workplaces on earth. Often located hundreds of miles from shore, these remote environments have to remain fully operational and manage a range of toxic substances through extreme weather, with an ever-present risk of explosion or fire. Even unmanned rigs need regular maintenance visits, so ensuring the safety of those often potentially classed as lone workers at all times is critical.




Traditional gas detectors lack real-time connectivity in these locations, making it difficult to respond quickly to hazardous gas leaks or to locate workers during emergencies. Without live monitoring and automated alerts, incidents can potentially escalate rapidly, putting lives and infrastructure at risk.

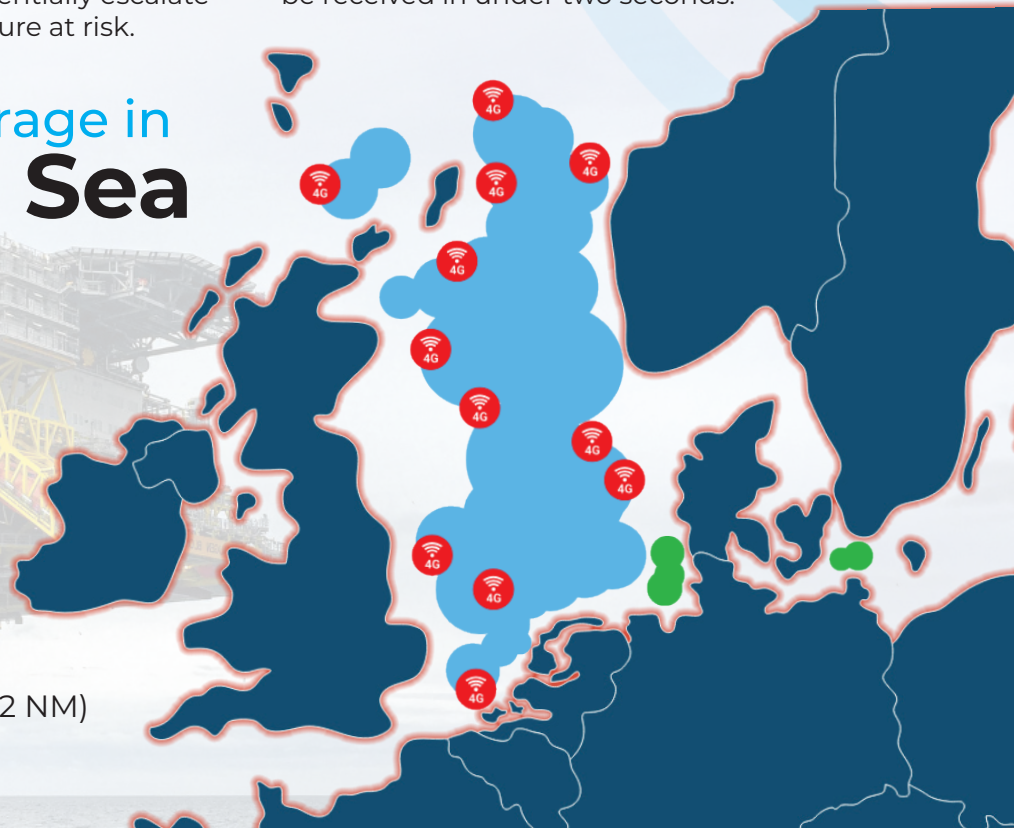
Connecting to a network in such remote territories has always been a barrier. Until now...

Recently, an established Shawcity customer who runs multiple offshore rigs and a fleet of maintenance ships in the North Sea has run a trial with a wearable Blackline Safety G7c device as well as a portable EXO 8 area monitoring unit.

Both are ideal solutions due to their real-time connectivity and live reporting capabilities. Optional 24/7 monitoring runs through Blackline Safety's in-house Safety Operations Centre (SOC) via the Blackline Live™ platform, where alerts can be received in under two seconds.

## Connectivity Coverage in The North Sea

-  Current 4G
-  Future 4G
-  Coastal Coverage (up to 12 NM)



Both Blackline Safety devices offer real-time gas detection, worker location tracking, and cloud-connected communication, ensuring every employee is monitored, even in confined or isolated areas. And now they can connect to a key 4G network available in the North Sea region. This connection can now empower safety teams to actively monitor environmental conditions and worker status in real time.

The customer trial with Shawcity has provided very positive data in terms of connectivity and all test emergency alerts have been received. If the devices are ever temporarily out of range, they continue to store data until they are able to reconnect, when they will immediately send the update.

This represents a huge leap forward in terms of connectivity at sea and instant decision-making, as the cloud-based Blackline system can be accessed on any PC or smart device.

The system also includes a man-down alarm feature, which automatically triggers an alert if a worker stops moving or presses the SOS button. This ensures that lone or incapacitated workers can be located and assisted quickly, even in the most remote or confined areas of the rig.

The Shawcity and Blackline Safety solution provides a fully connected safety monitor with single or multi gas detection, comms and man-down functionality, all in one ATEX-rated device.

# blacklinesafety

## G7c Features:

- 18 hours battery life
- Wearable technology – weighing from 162g
- Geo-stamped alert status from any internet-connected device
- No motion detection
- True fall detection
- Missed check-ins alerts



## Both Devices Offer:

- Built-in cellular connectivity
- Emergency SOS latch
- Multiple communication options:
  - o Text messaging
  - o Push-to-talk, use the device like a walkie-talkie
  - o Optional two-way voice communication

## EXO 8 Features:

- 100 days battery life
- Portable, drop-and-go device – weighing 12.25kg
- Monitor up to 8 gases simultaneously, plus gamma radiation
- Optional satellite \*(not available in all regions)
- Assisted GPS location and indoor location technology.

**Shawcity's successful integration of Blackline Safety connected gas detection instruments into daily operations has the potential to redefine safety standards and monitoring coverage in offshore oil and gas applications.**

Pioneers in gas detection technology for nearly 50 years, Shawcity are currently offering trials of Blackline Safety G7c and EXO 8 devices to oil and gas companies operating in the North Sea. This is your opportunity to test this technology and find out how much it can change your offshore operations.

For more information, to discuss your requirements, to arrange a demo or to book your free equipment loan, contact us today:



**01367 899423** and ask to speak Product Specialist Manager **James Baxter**



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## CASE STUDY:

P E R E N C O



# Remote Safety Made Simple: Perenco UK's Offshore 4G Gas Detection Trial

Perenco UK Ltd (PUK) is an independent oil and gas company with operations in 12 countries across the globe. It has been present in the UK Southern North Sea basin since 2003, operating a large number of offshore gas fields including: Leman, Indefatigable, Trent, the Cleeton fields (including Wollaston, Whittle, Ravenspurn North, Ravenspurn South), the West Sole stream fields (including West Sole, Hyde, Hoton, Newsham) and the Amethyst Field.

Gas production for PUK in the North Sea is around 57,000 boepd. In addition to its own gas and that of its joint venture partners, PUK also transports a significant quantity of third-party gas through its operated infrastructure and its two operated gas terminals, Bacton and Dimlington.

PUK mainly use fixed gas detection in the form of point and line of sight gas detection to detect methane and other hydrocarbons, with personal gas detection for permitted work activities.

An existing Shawcity customer, our team had already worked with PUK to deploy the Blackline Safety EXO8 and G7C at Bacton gas terminal. PUK then invited Shawcity to trial the same detectors offshore, to prove they could communicate with the 4G communication system, using the Keizerborg walk to work vessel (pictured below).

Ian Sloane, one of Perenco's Instrument Engineers, was happy to participate. Ian's role involves the specification of instrumentation, fire and gas detection, and the design of instrumentation for use in hazardous areas.

Commenting on the project, Ian said: *'4G functionality provides potential remote monitoring solutions for some of our NUI (Normally Unattended Installation) platforms during decommissioning activities. We are interested in proof of concept for use on our platforms and maintenance ships, with line of sight to GPS satellites and 4G connectivity for connection to Blackline Safety servers.'*

*'Following the trial, we now know that there is 4G connectivity which the gas detection units can successfully connect to. The detectors worked as expected, with a bonus functionality of remote alarming. We also noted the excellent battery life of the EXO8 compared with other similar area gas monitors.'*

*'The devices were simple to operate and, given that most of our industry workforce use personal gas detection on a day-to-day basis, the Blackline Safety technology is similar to other technology we use. We have benefitted from our ongoing partnership with Shawcity and, when the requirement next arises, we will consider the G7c and EXO8 as potential solutions.'*

