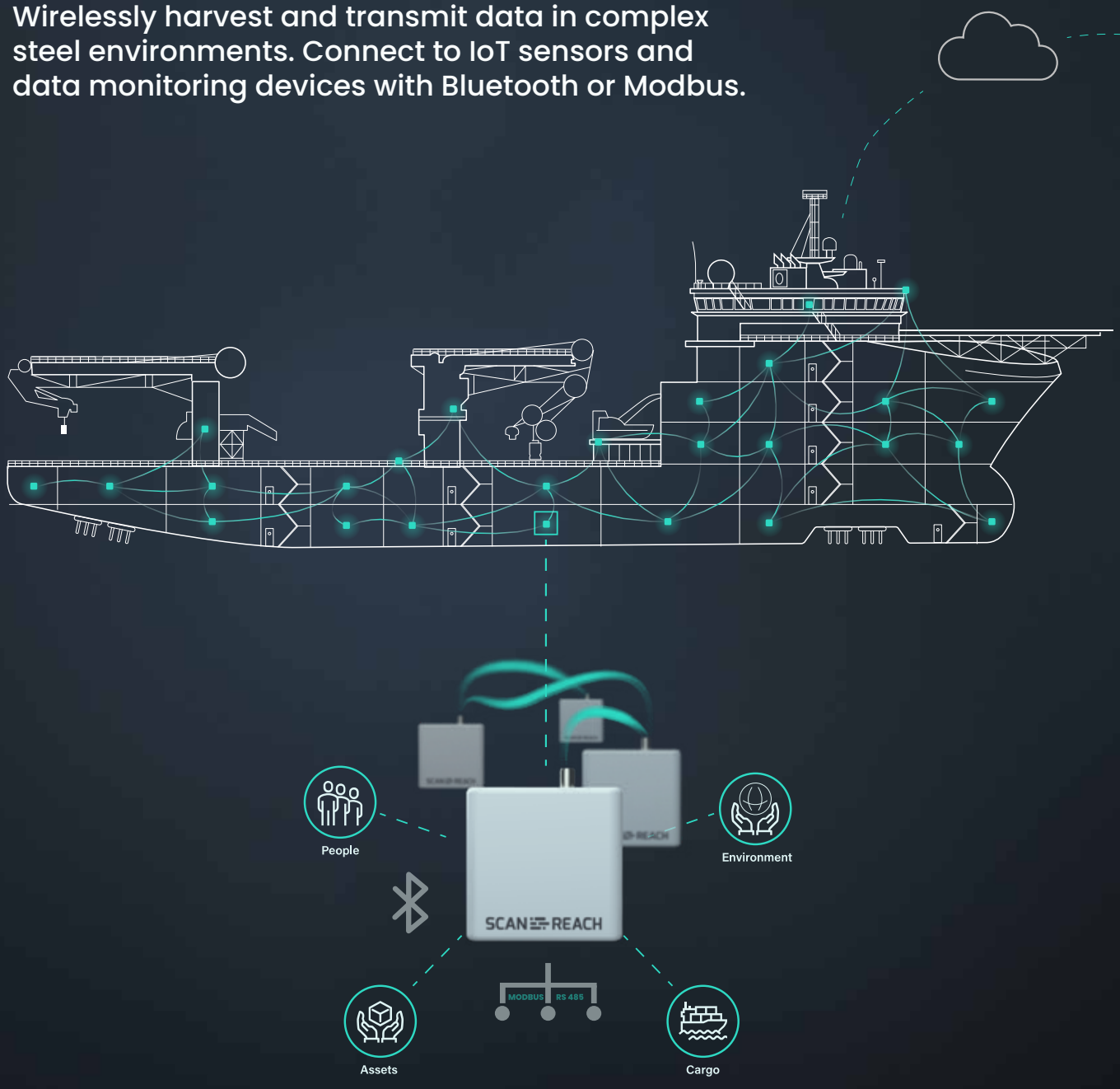
SCAN REACH

Onboard Wireless Connectivity (OWC)

Wirelessly harvest and transmit data in complex steel environments. Connect to IoT sensors and data monitoring devices with Bluetooth or Modbus.



ConnectFuel

Fuel consumption monitoring and reporting. Reduces fuel consumption, CO2 emissions and operational costs.

ConnectPOB

Real-time situation overview of Personnel On Board (POB). Efficient emergency handling, training and operations. Automated walk to work gangway registration.

Onboard Wireless Connectivity (OWC) developed by ScanReach, is a revolutionary new technology category.

ScanReach OWC is a mesh of nodes enabling the harvesting and transmitting of data wirelessly in complex steel environments. This means a new world of digital innovation and problem solving on board maritime vessels is possible.

Many IoT devices already well established onshore can now be utilised in the maritime industry as well. Connect to the Bluetooth or Modbus IoT device through the ScanReach OWC mesh network.

ScanReach OWC solution is DNV type approved and can be installed to any vessel in a matter of hours by the crew. With this easily installed IoT platform, it is possible to connect wirelessly to people, assets, equipment, and cargo without the need for expensive and complex cabling.

Many use cases are already proven. Our clients have reported great experiences with our safety management decision tool **ConnectPOB**, real-time reading and reporting tool **ConnectFuel,** and sensor data harvesting.

Sensors utilised through our mesh nodes provide great improvements to safety, sustainability, and efficiency.

We listen to and aim to meet our clients' needs. That said, we need to prioritise. One that was prioritised, was funded by the Australian Government, with the goal of improving animal welfare by being able to access live data of the temperature and humidity in the livestock vessel. This was done by mounting sensors and collecting environmental data which was transferred through the ScanReach OWC mesh network to the bridge and ashore.

Another way of utilising temperature and humidity sensors aim to ensure food quality for the crew.

"The temperature sensors in use in the galley freezers and fridges onboard Multi-Purpose Offshore Vessel Olympic Challenger saves our catering manager onboard lots of manual paperwork and valuable time," says Tonny Sørdal, VPQHSE at Olympic Subsea SAS.

Now we are about to release automated Walk to Work gangway registration. Replacing manual registration resources and reducing human errors.

Explore the power of wireless connectivity to improve vessel performance and competitiveness.

Be smarter!
Be better!

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