

ECG™ holistic cable monitoring system

£12.5m

COST TO REPAIR
A SINGLE FAILED
EXPORT CABLE

£8.4m

COST TO REPAIR A
SINGLE FAILED
INTER-ARRAY CABLE

ALL DATA: ORE CATAPULT 2021

£24m

AVERAGE
GENERATION
LOSS

Are you counting the cost of cable and termination failures on your wind arm?

Subsea cable and termination faults are common, but they can take a lot of time and money to fix. ORE Catapult data shows that they are responsible for 75-80% of the total cost of offshore wind insurance claims. Compounded over the 30 year life of the wind farm, the potential liability could spiral to £25m for inter-array cables and £292m for export cables* - and that's not including lost power generation.

The issue is that traditional monitoring methods such as ROV inspections or isolated sensors will not help to mitigate these costs, as they are reactive and can only offer an isolated view of an individual fault. Worst still,

standard inspections can miss crucial faults on joints and terminations, and any warning signals that a problem has occurred comes too late.

Your solution An online, synchronous cable monitoring system

ECG™ introduces a step-change in traditional monitoring methods, offering comprehensive visibility across cable assets. Adopting an integrated and scalable approach, ECG™ provides real-time analysis with insights through an intuitive user interface. Enabling proactive decision-making, improving utilisation and reducing OPEX costs, ECG™ delivers complete peace of mind.

POTENTIAL CABLE ISSUES DURING OPERATION



Termination



De-burial



Strain



Vessel impact/
interaction

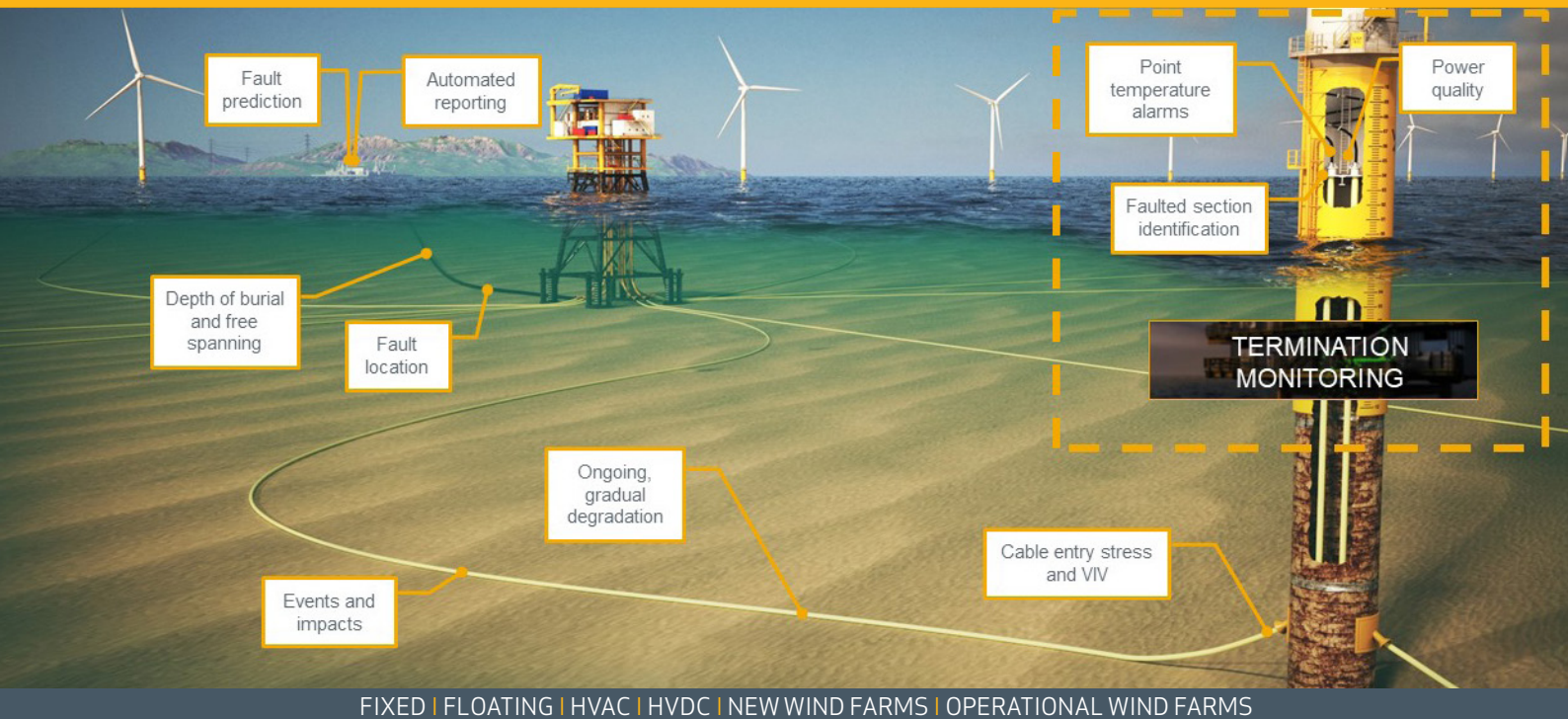


Free spanning



Scouring

Scalable fault detection throughout the wind farm



Optimise, predict and protect

ECG™ offers operators better visibility and understanding of the live condition of cable assets, empowering decision-making through the insights generated from data analytics, so alleviating the requirement for physical O&M inspections and the CO2 footprint of unnecessary journeys.



Maximise power transmission and increase efficiencies



Reduce failures as a result of intelligent monitoring



Protect against serious events with warnings of developing faults



Save OPEX and vessel costs with planned intervention

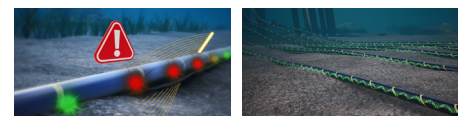


Plan lower cost interventions around weather and resource availability



Peace of mind about the condition and integrity of your cable

Intuitive visualisation for easy insights and action



Continuous automated data analysis
Scheduled reporting
Predictive events highlighted
Wind farm level visualisation
Identify warnings, events and impacts
Holistic view
Real-time data