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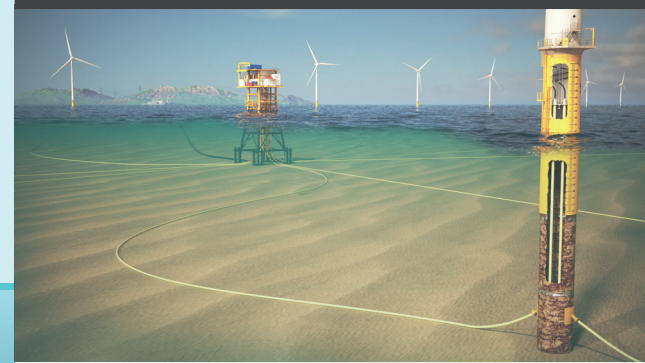
ECG™ HOLISTIC CABLE MONITORING SOLUTION

INTERCONNECTORS

Interconnectors link the power grids of different countries, enabling the advantage of price arbitrage across various markets. Ensuring proper cable protection is crucial, and there are also technologies available to optimize the throughput of your assets.



INTER-ARRAY CABLES



Inter-array cables connect turbines within an offshore wind farm, efficiently transmitting power to the offshore substation. Ensuring their protection against harsh marine conditions is crucial, and innovative technologies can help optimize performance, enhancing the overall efficiency of the wind farm.

EXPORT CABLES

Export cables transmit electricity from offshore wind farms to onshore grids, playing a vital role in renewable energy transmission. Protecting these cables from environmental and mechanical stress is essential, and advanced technologies can help enhance their efficiency and reliability, ensuring maximum power delivery.

AN ONLINE, SYNCHRONOUS CABLE MONITORING SYSTEM

ECG™ (Electro Cable Guard) 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, monitoring up to 90% of the most common failure modes.

ECG™ can monitor the condition and performance of cable terminations, an aspect needing development in the offshore wind sector.

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

ECG™, fully engaged and applied will detect emerging faults in cable performance, even within normal operating boundaries, potentially indicating future issues requiring remedial action to alleviate the likelihood of failures from occurring.

The technology can be retrofitted to existing systems combining all historical data within the new solution, making it entirely flexible and scalable, while it is equally applicable to both fixed bottom and floating wind structures.

