SEACAT SERVICES TAKES A LEAD IN ADVANCED OFFSHORE WIND VESSEL MONITORING

Class-leading OESV operator adopts Reygar's BareFLEET system across its entire vessel fleet, as it targets further safety, performance and efficiency gains

Cowes, UK, 13th December 2018 – Class-leading offshore energy support vessel (OESV) operator, Seacat Services, has installed an advanced remote monitoring system across its fleet of fourteen class-certified catamarans. The BareFLEET system, developed by Reygar, will give Seacat Services an unprecedented level of insight into the operational performance of its vessels, enabling progressive safety and technical availability gains that benefit crews, clients and the wider industry.

'Digitalisation' of operational practices, coupling remote data collection with advanced monitoring, is gaining pace as offshore wind firms throughout the supply chain aim to keep tabs on the performance of project critical infrastructure, optimise O&M and construction procedures, extend asset lifetimes and bring down the levelized cost of energy (LCOE).

To date, much of this investment in digital technologies has been focused on turbines and transmission, but there is now an emphasis on leading OESV operators to match this level of sophistication with more advanced vessel monitoring approaches that enhance the value of the vital service they deliver. While monitoring of key variables such as vessel motion, vibration, navigation and engine performance is common practice, increasing the efficiency of reporting, and pulling this performance data into one place, is essential to inform more effective fleet-wide decision making.

Seacat Services' rollout of the BareFLEET system is part of the firm's ongoing investment in the quality of the service it provides to offshore wind developers, operators and contractors, supporting a longstanding commitment to the highest standards of safety and technical availability.

All fourteen vessels in the Seacat Services fleet have been fitted with an 'always-on' data connection. The BareFLEET system has now been integrated with existing sensors and equipment and will be used to monitor key variables, including navigation data, vessel motion and the performance of engines and other critical machinery.

Seacat Services will be able to view a live feed of this data from its Fleet Operations Centre in Cowes, allowing the business to keep tabs at all times on the performance of its vessels in the field. Critical alerts – such as an engine alarm – will be flagged instantly to shore-based personnel, leading to immediate action.

As the volume of data collected by the system increases, Seacat Services will conduct trend analysis, condition monitoring and preventative maintenance, enabling the operations team to detect and address developing faults in critical components before they result in failure or unscheduled vessel downtime.

The system will also improve the capacity of Seacat Services for efficient, regular reporting from the field. By making use of Reygar's Digital Daily Progress Report (DDPR) mechanism, Masters and crews will be able to quickly log completion of key safety procedures such as drills and toolbox talks. BareFLEET is now integrated with CrewSmart – the cloud-based crew and fleet

management software Seacat Services is using – bringing all of the data required for safe, effective crew management into one place.

"We've seen the wide-ranging benefits that digitalisation of operations has had for turbine owners and operators – and it's time for the vessel market to follow suit by showing a commitment to matching these higher operational standards," said Ian Baylis, Managing Director, Seacat Services.

"Our investment in BareFLEET will not only enable us to protect our most important assets – our masters, crews and the vessels they operate – but also ensure that our customers get maximum value from the boats they have under charter. As these digital systems become increasingly integrated, there is huge potential for cross-collaboration throughout the supply chain that ultimately helps us to change the way offshore wind farms are developed, built and serviced."

Chris Huxley Reynard, Managing Director, Reygar Ltd., added: "The advantage of a fully digital approach to vessel monitoring is that the value and efficacy of the system continues to increase as more and more data is collected. The comprehensive nature of information gathered by BareFLEET, encompassing motion, navigation, fuel efficiency, engine health, vibration and DPR data – and the quick, effective way in which this is all presented – provides Seacat and their customers an unparalleled level of insight into their fleet operations."

"While Seacat Services will see immediate benefits from integrating BareFLEET onto its vessels, this is just the first step in a process of incremental improvement that aligns very closely with their ethos of being a leader in the offshore wind vessel market. We look forward to working closely with Ian and his team as

they continue to innovate and realise the benefits of digitalisation in the coming weeks and months."

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About Seacat Services:

Seacat Services is the class leading wind farm support vessel operator, located in Cowes, UK.   With a current fleet of fourteen boats that conform to the highest operational and safety standards, the company operates internationally and works directly with developers, utilities, manufacturers and support services businesses to provide fast and efficient offshore personnel and equipment transfers.

For more details please visit – www.seacatservices.co.uk

About Reygar

Established in 2012, Reygar provides fully integrated control and monitoring systems to the marine industry. These include remote monitoring and fleet reporting systems, all based on the central tenets of simplicity and ruggedness.

BareFLEET is a pioneering fleet monitoring system that offers an unparalleled level of insight into all aspects of fleet performance and health. Developed to help maximise the operational effectiveness of fleets, BareFLEET automatically gathers a comprehensive set of engine, navigational, motion and health data, including fuel efficiency, CO2 emissions, vertical heave motion, tower impact and push-on force, plus an indication of motion sickness.