

ITC granted Fit for Offshore Renewable Status

ITC have been granted Fit for Offshore Renewable (F4OR) status by NAMRC and Offshore Renewable Energy Catapult. This achievement recognises that ITC has the management systems and competence required for success in the offshore renewable energy sector.

ITC embarked on this journey in the summer of 2021, working with Oprey to gain a deep technical understanding of the sector, and NAMRC to ensure ITC's business systems were fully aligned. All staff were involved, and this achievement was a great team effort. ITC was part of the first cohort of companies from the NE of Scotland to go through this programme which has enabled them all to develop good relationships, see Our Granted Community - ORE (catapult.org.uk). It is hoped that these links will provide collaboration opportunities going forward.

Tracy Clark, ITC MD, said: "I am very proud of all the staff efforts that has made this granting possible. Renewables' activity is growing rapidly, and ITC intends to be part of it. Gaining F4OR status is an important step but one of many that ITC will be taking into the sector."



Proserv Makes Key Appointments to Bolster Energy Transition Roadmap

Global controls technology leader Proserv has undertaken a senior corporate realignment as the business continues to evolve and pivot towards the future energy landscape.

David Currie, formerly Group Chief Executive Officer, has become Chairman of the Board for both Proserv and sister business Gilmore Valves, the Houston based flow control specialists.

Recently joining the Board of Proserv is Hugh McNeal. McNeal brings a highly impressive background and a range of contacts in the renewables space having worked in numerous senior posts within government, including the Department of Energy & Climate Change. McNeal was Chief Executive Officer (CEO) of RenewableUK for five years until 2021. The renewables segment represents a key growth target area for Proserv and McNeal's addition to the Board provides further leadership in the sector.

As part of the corporate repositioning, Davis Larssen, Proserv's CEO, has joined the Board of Proserv, while David Nemetz continues as CEO of Gilmore, both reporting independently to their respective Boards.

David Currie said: "These strategic changes signify the latest step on our journey to shape our business, smartly and proactively, and future-proof our offerings and portfolio to reflect the vital needs of the transition. Our shareholders Oaktree Capital Management and KKR have consistently supported our strategic roadmap, including our goal of pursuing new opportunities in the renewables segment. The appointment of Hugh McNeal to our Board will accelerate our progress on these objectives."

Davis Larssen said: "I am delighted to be leading Proserv at such a critical time for the sector and during such a positive period for our own evolution. Our talented team has adjusted to this changing landscape, forging technology collaborations and innovating exciting new digital solutions and offerings, to effectively monitor and optimise the performance and efficiencies of critical assets across the energy spectrum."

"I also look forward to working with Hugh McNeal, and leveraging his experience, as we drive on with Proserv's commitment to supporting sustainable energy generation."

Hugh McNeal said: "Proserv's management and Board have a clear vision of how the company will evolve and deploy its technology expertise as it pivots towards renewable energy. Its capabilities can add real value to the operation and integrity of offshore wind assets."

"Proserv represents a great example of a company directly attuned to the transition, developing disruptive technologies to extend the life of wind farms, actively leading and nurturing innovation."



Proserv to Monitor Cables on Equinor's Hywind Scotland Floating Wind Farm

Global controls technology leader Proserv is to supply its holistic cable monitoring system (CMS), ECG™, to Norwegian international energy company Equinor's Hywind Scotland, which in 2017 became the world's first commercial floating offshore wind farm, located off the coast of Peterhead in north-east Scotland.

Proserv is to deliver its CMS to analyse the condition and integrity of export and inter-array cables across the wind farm utilising the fibre optic cores within the cables. The demonstration, focused on ECG's data analytics abilities, is scheduled to extend until April 2024 with installation and commissioning set to take place in Q3 of this year.

ECG represents a step change in traditional monitoring methods, offering comprehensive visibility across cable assets as an integrated, scalable and multi-faceted single package.

The technology has been initiated and driven by Proserv with vital support from its consortium partners Synaptec, a power system monitoring expert, and BPP Cable Solutions, specialists in subsea power cable engineering and management. The Offshore Renewable Energy Catapult (OREC) has also given its support during the development of the solution.

The CMS not only employs distributed temperature sensing (DTS) and distributed acoustic sensing (DAS) but engages Synaptec's unique distributed electromechanical sensors (DES), via its passive electrical and mechanical sensor systems. The hardware will be complemented by the intuitive human-machine interface, utilising Proserv's TIACS software suite.

Critically, Proserv's ECG can monitor the condition and performance of cable terminations, an aspect needing development in the offshore wind sector. Cable terminations are well-known for being a serious failure point and so this technology will scrutinise this key area of an asset.

During ECG's demonstration on Hywind Scotland, BPP Cable Solutions will provide advanced real-time data processing and predictive analytics modelling, representing a major shift from traditional reactive cable performance monitoring approaches, whereby a cable fault or failure is analysed from stored data after an event takes place.

This will be achieved by BPP Cable Solutions applying its experience in processing data generated from DTS and DAS, as well as Synaptec's DES and cable connection monitoring technologies. Specialist predictive data analysis tools will be combined with known cable power transmission performance physics to monitor cable arrays continuously and autonomously. This will give assurance of "as designed" cable health and will identify in advance any anomalies and potential longer-term faults that can be dealt with on a proactive basis.