



Optimising and extending the life expectancy of critical offshore wind infrastructure through dynamic closed loop controls technology

BUSINESS PROFILE

- ➔ Global leaders in control system technology with a 60-year heritage in offshore energy.
- ➔ Employing over 300 people within the UK, and 800 people globally.
- ➔ Controls technology company delivering asset-wide intelligence and optimisation to offshore wind.

SUPPORT RECEIVED

- 🔄 Business Transformation

Solutions for the offshore wind industry



Through strategic guidance on standards, certification, and market positioning, OWGP has helped Proserv accelerate the development of its technology strategy in direct support of the Advanced Turbine Technology priority set out in the IGP.

Proserv is set to deliver transformative impacts on offshore wind operations through innovative solutions, ensuring greater reliability, reduced costs, and long-term sustainability for the sector.

Proserv is a leading technology developer in the energy sector. Proserv's vision is to define and lead controls technology through the development of best-in-class technologies, partnering with like-minded innovative technology providers to support data driven asset-wide operations and maintenance.

Impact of the support

Now focused in specific areas to broaden its offerings in offshore wind.

Created 2 offshore wind related jobs.

Benefitted from strategic planning which will enable future growth.

A closer look at advanced alternative technologies

Proserv continues to expand upon its core capabilities to offer the offshore wind market an advanced alternative to technologies that currently needs to be imported or is new novel technology. Proserv sought strategic support on how to develop and move its latest disruptive technology forwards from a standards and certification perspective without which it would risk this technology being resisted and 'killed' by overseas-based OEMs.



Before

Prior to engaging with OWGP, Proserv had established a presence in offshore wind through the development of its leading holistic cable monitoring technology, ECG™, which received widespread industry support. Proserv have continued to build on this progress by developing new solutions for future electrical systems, cables and other critical offshore wind infrastructure.

After engagement with senior level operators, Proserv identified a clear need to optimise and extend the life span of wind turbines. This prompted the strategic development of its controls technology which enables turbine parameters to be optimised in real-time to maximise productivity when prices are favourable and prioritise life when prices are low.

Proserv sought support to leverage its unique capabilities and develop a technology strategy to compete effectively in a market characterised by established overseas OEMs. Proserv required support on two fronts: strategic standards and certification support; and guidance to secure first use case industry sponsor.

During

Proserv received a combination of technical and strategic business support to help it develop its wind turbine technology strategy. Workshops provided insights into control optimisation, pricing, traditional routes to market and the integration of new technologies, including non-modelling methods.

The programme helped Proserv refine their approach to the retrofit market, understand challenges related to turbine end-of-life assessments, and explore new Operations & Maintenance (O&M) contracting models. Proserv was also advised to recruit an engineer and were provided with guidance to identify market opportunities and secure R&D funding.

Overall, the support provided offered Proserv strategic direction for technology development and market strategy.

After

Since receiving support through the WEST programme Proserv has continued its growth in the offshore wind sector, securing contracts for their offshore wind solutions in the UK and Norway. OWGP's guidance has helped Proserv identify areas of investment and innovation. Proserv are currently in the process of investing in these areas to broaden its offerings in offshore wind.



Working with OWGP has enabled us to make key strategic business decisions on where to invest in innovation. Proserv are currently in the process of investing in these areas outside of core business activity to broaden our offerings and technology in the offshore wind sector.



PAUL COOK
Vice President, Renewables

Proserv
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