Offshore Wind Growth Partnership

Powering supply chain growth. Driving the Industrial Growth Plan forward.

owgp.org.uk

The UK offshore wind sector is a huge growth opportunity. It is expected to boost the nation's economy by £92 billion by 2040. This projection was outlined in the Supply Chain Capability Analysis report published by the Offshore Wind Industry Council (OWIC) and the Offshore Wind Growth Partnership (OWGP) in September 2023. It highlights our industry's vital role in creating economic value and powering the nation's move to renewable energy.

Driven by the UK's Clean Power 2030 targets, offshore wind is set to launch projects that will deliver three times our current energy capacity by the end of the decade. This is a massive step forward. The latest Contracts for Difference Allocation Round 7 (AR7) secured a record 8.4GW of offshore wind capacity, the largest single offshore wind auction in UK and European history. This landmark round alone will generate enough clean electricity to power up to 12 million homes, unlocking around £22 billion in private investment and reinforcing the UK's position as a global leader in offshore wind.

Behind this progress is a growing network of UK businesses ready to deliver. Over the past six years, OWGP has worked with more than 300 companies, helping build a stronger, more competitive supply chain. In this brochure, we'll share the exciting insights and successes of 15 of these projects, through the lens of the IGP's five 'Make' priorities.

Because of our sector knowledge and far-reaching networks, OWGP is the natural choice to deliver the Offshore Wind Industrial Growth Plan (IGP). In our role as the IGP Delivery Body, we will do everything we can to accelerate the development of the UK's offshore wind supply chain. Together with key stakeholders and the wider industry, we will work to prioritise action and champion change, always interpreting and updating sector priorities against the demands of an ever-evolving, highly competitive, global market.

Further examples of these success stories can be found at **owgp.org.uk**

Contents

Foreword

I am delighted to introduce the Offshore Wind Growth Partnership's (OWGP) latest Offshore Wind Industrial Growth Plan (IGP)-focused brochure. This brochure outlines the work that OWGP has been doing to align with the key priorities set out in the IGP, what has been achieved so far with the £34.6 million in funding provided by the Offshore Wind Industry Council (OWIC) to date and OWGP's future vision.

The launch of the IGP marked a critical step forward for the sector. In order to realise the Plan's ambitions, OWIC set out to establish a Delivery Body that would build on the IGP to guide how it is delivered against its original scope and to fund and work with SMEs to:

- Increase business competitiveness and supply chain capacity by attracting new entrants and growing existing capability.
- Promote greater collaboration across and down the supply chain.
- Support and drive supply chain innovation, including developing new technology and UK intellectual property.

I was thrilled that in December OWIC recognised the OWGP's significant contribution to date in supporting UK supply chain growth and its wider potential by appointing it as the Delivery Body for the IGP. This will allow the industry to benefit from the significant experience gained to date by the OWGP to maximise our chances of successful delivery of the IGP - the team will play an essential role in translating the vision of the Industrial Growth Plan into tangible outcomes.

As OWGP officially assume the role of the IGP Delivery Body, we reflect on the progress and achievements that have been made so far in aligning with its priorities and are reminded of the vital role our sector continues to play in shaping a sustainable, clean energy future for the UK. The offshore wind industry stands at the heart of the UK's clean energy ambitions, offering the potential to not only meet the nation's carbon reduction goals but also to drive job creation, economic growth, and technological innovation.

The work of OWGP is crucial in supporting this, and the case studies cited in this brochure demonstrate just some of the incredible companies that the OWGP team have successfully worked with in our continued drive to achieve these ambitions.

The funding provided by OWIC to OWGP to date has been crucial in facilitating a wide range of initiatives, including the delivery of high-impact projects aimed at improving the efficiency, capacity, and capability of the UK's offshore wind supply chain. OWIC members will continue to play an important role in the future of the OWGP as it transitions into its new capacity as the IGP Delivery Body. I am personally excited to see the positive impact that the OWGP team can have on our supply chain as they step up to take on this new challenge.

The success of the offshore wind sector is ultimately a story of collaboration. The continued support of OWIC to the new IGP Delivery Body is critical to ensuring that the UK continues to lead the way in offshore wind development. Together, we are building the foundation for a cleaner, greener, and more prosperous future. In OWIC, we are proud of the achievements of OWGP this year as a key part of this exciting journey.

On behalf of OWIC, I would like to express my sincere thanks to the OWGP Board, OWGP Team and to all the companies that have engaged with the opportunities offered for their dedication and hard work. We look forward to continuing our shared efforts into the future, driving innovation, supporting growth, and making the offshore wind industry an enduring pillar of the UK's ambition to become a Clean Energy Superpower.

Sophie Benham
Manager - Contracts, Claims and Handling at Equinor and former OWIC OWGP Board Observer

Who we are

The Offshore Wind Growth Partnership is an independent, not-for-profit organisation working closely with industry to strengthen the UK's offshore wind supply chain and boost its global competitiveness.

Established in 2019 by the Offshore Wind Industry Council (OWIC), OWGP plays a central role in delivering the sector's Industrial Growth Plan - turning ambition into practical action that supports long-term growth.

Through a combination of targeted funding, industry expertise and hands-on business support, we help companies move forward with confidence and at pace. Our programmes are designed to build a supply chain that is resilient, capable and ready to compete on the global stage.

Our vision is of a world-leading UK offshore wind supply chain that secures investment, skills and value at home, while exporting UK technology and expertise to global markets. Working in partnership with industry, we align our support with strategic priorities to maximise impact for both the UK economy and the offshore wind sector.

Our programmes

Business support programmes
These programmes help organisations move forward with confidence, focusing on needs such as sector knowledge, business strategy and increased competitiveness.

Funding programmes
These programmes increase capability, capacity, innovation and technology commercialisation so that businesses can thrive and grow.

What we do

Shaping strategic direction
We drive the future of offshore wind and shape its strategic direction through the Industrial Growth Plan.

Aligning the sector for growth
We bring organisations together around a shared strategy for growth.

Investing in the supply chain
We help supply chain companies innovate, grow, and compete on a global stage.

Our progress so far...

We play two vital roles in strengthening the UK offshore wind sector. We deliver direct support to supply chain companies through our targeted programmes and shape strategy to secure the future of offshore wind.

26.8m
awarded to UK companies through our programmes

1,713
new jobs in offshore wind

400
projects supported

241
new marketable products

£353m
of increased turnover reported by supported companies

Our programmes

Funding programmes

Our funding programmes focus on projects with the potential to deliver real, measurable impact for the sector. We award funding on a strategic and competitive basis to encourage innovation and increase capacity in the offshore wind supply chain.

We're always happy to recieve applications from existing supply chain companies, as well as businesses making the move into offshore wind from similar industries.

Innovation Funding Programme

Targeted at projects that deliver the next wave of breakthrough technologies, products and services to move our industry forward.

£25K to £200K

Development Funding Programme

Designed for projects delivering company growth, whether they unlock brand new capabilities or expand existing ones.

£50K to £500K

Industrial Growth Fund

Capital funding to support the development, expansion, and commercial readiness of UK-based facilities that produce the critical components our sector relies on.

£300K to £25M

Manufacturing Facility Support Programme

Created to support the essential groundwork that's needed before a company commits to investing in new or expanded manufacturing facilities.

£150K to £500K

Funded by the Offshore Wind Industry Council.

Business support programmes

We believe in the capability, drive and talent that exists across the UK, and we are here to unlock that full potential. Our business support programmes help companies grow faster, work smarter, and compete with confidence.

These programmes provide access to a range of high-quality support services for companies of different levels of maturity, whether they are already operating in offshore wind, or taking their first steps into the sector.

WEST

Wind Expert Support Toolkit (WEST) provides needs-focused support for businesses entering into or growing their existing presence in Offshore Wind. WEST provides market intelligence and tailored sector insights to support companies to build a clear and effective strategy.

- Specialist advice and market intelligence
- Short-term engagement that's scalable depending on company needs
- Tailored support and specific next-steps report for each participant

SmartStart Manufacturing

Provides bespoke advisory support to help develop and scale up manufacturing facilities serving the UK offshore wind industry. This includes specialist manufacturing support informing feasibility studies and business cases, helping ensure new facilities are globally competitive and investment-ready.

Strategic business support

We proactively identify and engage with high-growth companies, particularly those already in receipt of OWGP funding to deliver targeted, needs-led support. Through an account-managed approach, we help de-risk and strengthen supply chain investments by connecting businesses with specialists from our trusted network of delivery partners. Support is tailored to align with their growth ambitions and operational needs to enable the successful execution of funding projects.

The Industrial Growth Plan

The Industrial Growth Plan (IGP) sets the course for our sectors future, providing a roadmap to grow the supply chain, accelerate delivery, and strengthen the UK's global leadership in offshore wind.

Developed in partnership by the Offshore Wind Industry Council (OWIC), RenewableUK, The Crown Estate and Crown Estate Scotland, the IGP lays out a strategic framework to build capability where it matters most, reduce delivery risk, and unlock long-term economic growth.

The 'Make' priorities identified in the IGP include:

- Advanced turbine technology
- Industrialised foundations and substructures
- Future electrical systems and cables
- Smart environmental services
- Next generation installation and O&M

We make sure our funding and business support activities are aligned with these priorities.

The UK should be a global technology leader in:

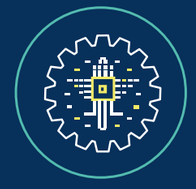
Advanced turbine technology

Industrialised foundations and substructures

Future electrical systems and cables

Smart environmental services

Next generation installation and O&M



Benefiting the economy by:

Up to

£25bn

additional GVA over the 10 years post investment

Up to

10,000

cumulative additional jobs in the sector annually following all investment

The IGP Delivery Body

Turning the IGP into reality demands a strong Delivery Body with a coordinated and collaborative approach. The IGP describes the Delivery Body as being "an independent organisation with the core responsibility and mission to support the growth of the UK's offshore wind supply chain." In December 2024, OWGP were announced as the IGP Delivery Body.

In this role, we stay true to our core mission of supporting supply chain competitiveness. We help shape the future of our sector by bringing the Industrial Growth Plan to life - turning ambition into practical action that strengthens supply chains, attracts investment, and supports the UK's global competitiveness in offshore wind. Focusing on what matters most, we ensure the Plan remains relevant, actionable, and capable of delivering long-term impact.

Working closely with industry partners, we align efforts and build momentum around this shared strategy. Bringing organisations together in this way supports coordinated supply chain development and helps turn collective ambition into sustainable growth, skilled jobs, and increased UK expertise and exports.

Aligning public and private funding behind shared investment priorities creates a clear pipeline of solutions that support the UK's growth strategy. Our targeted funding and business support programmes focus on the areas with the greatest impact, giving companies the tools, insight, and confidence to innovate, grow, and deliver world-class offshore wind projects - because when suppliers thrive, the sector thrives.

Supporting growth through the CIB

The Clean Industry Bonus (CIB) scheme is a UK government initiative that operates under the UK's Contracts for Difference (CfD) Allocation Round 7 (AR7). It was introduced to provide additional financial support to offshore wind developers that invest in cleaner manufacturing and sustainable supply chains.

Through this initiative, developers can allocate a share of their CIB minimum standard to the IGP Delivery Body to be invested on their behalf. Since the scheme was launched, we've been working closely with OWIC and the developer community to ensure this funding is allocated responsibly through programmes like our newly established Industrial Growth Fund.

The government has confirmed that the CIB scheme will continue into AR8 under an updated framework that provides greater certainty and flexibility. All generators bidding for CfD's must meet the Minimum Standard and commit £10 million per GW to OWGP to support supply chain investment. Updated rules also give us greater flexibility to direct funding where it can deliver the biggest impact, accelerating commercialisation, capability and long-term growth across the UK supply chain.

Delivering the Industrial Growth Plan

The Industrial Growth Plan (IGP) sets out a strategic blueprint to transform the UK's offshore wind supply chain. With a clear focus on identified priority areas, the IGP outlines how targeted interventions and investment can unlock up to £25 billion in additional GVA, create up to 10,000 new jobs, triple the UK's manufacturing capacity, and double R&D output over the next decade.

The IGP is a rallying call for greater coordination, innovation and investment across the sector. In our role as the IGP Delivery Body, OWGP will coordinate the implementation, connecting funders, suppliers, developers and policymakers to drive action.

This includes making sure that investments are targeted, progress is tracked and the Plan remains agile and responsive to industry needs.

We are working in close collaboration with a wide range of stakeholders, including OWIC, Great British Energy, The Crown Estate, Crown Estate Scotland, RenewableUK, ORE Catapult, and funding bodies such as UK Export Finance and the National Wealth Fund, to turn the Plan's vision into reality.

This expanded role builds naturally on OWGP's core mission to accelerate the growth of the UK offshore wind supply chain.

We will work tirelessly to secure the UK's position as a global leader in offshore wind. A key part of this is bringing stakeholders together from around the sector, so that everyone is following the same strategic roadmap for innovation and growth.

Through coordinated action and strategic investment, it's our job to ensure delivery on the Industrial Growth Plan, and shape a stronger, more resilient future for offshore wind in the UK.

Enablers

- Collaborative joint industry fund
- UK and devolved government funding
- UK export Finance
- UK infrastructure bank and Scottish National Investment Bank
- Research and innovation funding
- CfD and sustainable industry rewards

Delivery Body Responsibilities

- Own the growth plan and create sector buy-in
- Drive IGP execution and growth of the supply chain
- Facilitate alignment of other sources of supply chain investment
- Leverage demand and champion investment in the UK
- Manage and distribute new industry funding associated with the growth plan
- Monitor the progress and growth of the UK's supply chain
- Shape the future of the sector and adapt a plan

Stakeholders

- Governments
- Developers
- Supply chain
- Research and technology organisations
- The Crown Estate and Crown Estate Scotland
- Wider infrastructure including ports and grid

The Regional Growth Prospectuses

These important reports turn the ambitions of the IGP into actionable insights at a regional level.

Commissioned by OWIC and The Crown Estate and developed in close partnership with the UK's offshore wind clusters, the prospectuses, which were published in May 2025, give us a detailed picture of the UK supply chain's strengths. This is really important for creating a place-based approach to industrial development.

National growth through regional action

The Regional Growth Prospectuses deepen the UK's offshore wind strategy by applying a regional lens to the IGP's 'make or buy' framework. They provide a clear roadmap for each cluster, aligning local strengths with IGP priorities and investment opportunities.

By shining a spotlight on shared capabilities and complementary strengths, this work shows exactly where coordination across and within regions will have the most impact. Regional excellence and national coordination will both be important for success. We will work alongside OWIC and regional partners to champion local strengths and unlock opportunities for suppliers in these communities.

Together, we will make the IGP a reality.

Advanced turbine technology

As the UK expands its offshore wind capacity, advanced turbine technology is now essential for leadership in generation capacity deployment.

The UK is hungry for leadership in high-value manufacturing and technology development for offshore wind. This will drive economic growth and job creation. The Industrial Growth Plan identifies exciting opportunities in blade manufacture and development of next-gen drive trains and towers. Demand for blades will soar to 900 and towers to 300 by 2030, according to IGP projections.

A concentrated effort to boost the UK's production of high-value turbine components – such as towers and blades – could deliver a gross value add of between £4.9 and £8 billion over the next decade. Take a look at some of our case studies in this IGP priority area.

We support leading supply chain companies, such as Anakata, Onyx Insight and Proserv to fund groundbreaking innovations and develop innovative Intellectual Property (IP).

In this section →

- Anakata
- Onyx Insight
- Proserv

Advanced aerodynamic blade tip technology for offshore wind turbines

Anakata are established experts in the Onshore Wind sector. They improve performance in new and operational blades by combining Formula-One-level aerodynamic solutions with deep wind turbine expertise. Anakata products help turbines live longer by reducing fatigue loads and blade leading edge erosion. Their solutions have delivered a >5% increase in Annual Energy Production (AEP) for onshore – and they came to OWGP ready to take on the offshore sector.

Before

Anakata sought OWGP grant funding to design, develop and test its SATIP blade-tip technology. The specialists at Anakata envisioned SATIP as both a retrofit for existing turbines and a factory-fit component for new blades. The project promised to put the UK at the forefront of Offshore Wind blade innovation, reducing the Levelised Cost of Energy (LCOE) and unlocking significant export opportunities.

During

The project aimed to extend turbine life and cut LCOE by rethinking blade-tip aerodynamics. Anakata brought together patented winglets with new devices to manage aerodynamic forces and a new-gen LEP system, to boost energy capture and to speed up wake recovery. Developed in Oxford, the new SATIP was put through rigorous wind-tunnel tests to prove it could handle tough conditions.

After

SATIPs were installed on a 7MW offshore turbine during 2024 and 2025. Designed for domestic and international markets, SATIPs support UK-based OEMs and wind farm operators, while opening up export opportunities. By taking on the critical challenges of turbine performance, Anakata has positioned itself at the forefront of bringing transformative benefits to the global Offshore Wind sector.

How does this help deliver the IGP?

- This innovation directly addresses the Advanced Turbine Technology priority by tackling key challenges such as erosion and fatigue.
- It helps drive down the LCOE and reinforces UK leadership in offshore wind technology.

Tailored to work with offshore turbines' longer blades, higher tip speeds and harsh operating conditions, SATIP improves blade performance and supports the growth of offshore wind.

3 jobs and
2 new products
created

Exports up **£85,000,**
turnover up **£185,000**

> "OWGP's support accelerated Anakata's SATIP blade-tip development forward."

Huw Griffiths
CEO | Anakarta
anakatawindpower.com

Advanced turbine technology

Driving down maintenance costs with predictive turbine monitoring

ONYX Insight is tackling one of offshore wind's biggest cost challenges with advanced predictive monitoring. By combining smart sensing, powerful analytics and engineering expertise, they enable earlier fault detection, reducing downtime and avoiding costly failures.

Before

ONYX had already established itself in offshore wind with ecoPITCH, a proven solution for detecting blade pitch bearing failures. Building on this success, they identified a major gap in the market: there was no accepted predictive maintenance solution for turbine blades, so minor faults often escalate into costly failures. To address this, ONYX secured OWGP Development Grant funding to accelerate the development of a new predictive monitoring approach.

During

Using the grant, ONYX developed advanced methods to continuously monitor turbine blades and detect structural damage such as root cracks and delamination. The project focused on mitigating critical risks like blade failure and liberation, which can shut down entire sites and lead to significant financial loss. By combining sensor innovation with advanced analytics, ONYX created a solution capable of identifying fault progression earlier than traditional inspection methods.

After

The solution is now deployed across multiple turbines, successfully detecting damage through predictive analytics and proving its value in live environments. Fully integrated into the FleetMONITOR platform and built on existing ecoPITCH hardware, the product is scalable and market-ready, positioning ONYX to support operators globally with smarter, more cost-effective maintenance strategies.

How does this help deliver the IGP?

- Accelerates the adoption of predictive maintenance in offshore wind
- Reduces operational costs by preventing catastrophic blade failures
- Strengthens UK capability in advanced turbine monitoring technologies
- Supports scalable deployment across existing and future wind farms

Continuous monitoring turns unpredictable blade failures into planned maintenance, cutting cost, reducing risk and keeping turbines turning.

2 jobs created

Product deployed on **multiple turbines**

> "This initiative strengthens the UK's role in offshore wind innovation, drives down LCOE, improves turbine efficiency, and creates export opportunities."

John Coultate
VP Advanced Sensing | Onyx Insight
onyxinsight.com

Advanced turbine technology

Better life expectancy of critical infrastructure with dynamic closed loop controls technology

Proserv is advancing control system technology to improve the lifespan and performance of critical offshore wind infrastructure. By enabling dynamic, real-time optimisation of turbine operations, they are helping operators balance performance, cost and long-term asset health.

Before

Proserv had already established a strong foothold in offshore wind with its ECG™ cable monitoring technology, gaining widespread industry support. Building on this, it identified an opportunity to extend its expertise into advanced control systems that could dynamically optimise turbine performance and lifespan. However, competing in a market dominated by global OEMs required clearer strategy around standards, certification and route to market, prompting Proserv to seek OWGP support.

During

Through the WEST programme, OWGP provided both technical and strategic support to help shape Proserv's technology and market approach. Workshops explored control optimisation, pricing strategies, retrofit opportunities and new O&M models, while also addressing challenges such as turbine end-of-life and system integration. This guidance helped Proserv refine its proposition, identify market opportunities, secure R&D direction and strengthen its position in a highly competitive global landscape.

After

Following OWGP support, Proserv has accelerated its growth in offshore wind, securing contracts in the UK and Norway and continuing to invest in new technology development. With a clearer strategy around standards, certification and market positioning, the business is expanding its offering and strengthening its role in delivering advanced control solutions to the sector.

How does this help deliver the IGP?

- Supports advanced turbine technology through real-time control optimisation
- Extends asset life and improves reliability of critical infrastructure
- Reduces operational costs through smarter, data-driven performance management
- Strengthens UK capability in control systems and offshore wind innovation

Dynamic control systems enable turbines to adapt in real time, maximising performance when it matters and protecting assets for the long term.

2 jobs created

Contracts secured in UK and Norway

Advanced turbine technology

> "The WEST programme has enabled us to make key strategic business decisions on where to invest in innovation."

Paul Cook
Vice President | Proserv
proserv.com

Industrialised foundations and substructures

Industrialised foundations and substructures represent a major opportunity for UK supply chain growth. There is scope to expand existing foundation manufacturing capability into deeper waters and develop industrialised floating substructure production, building on expertise from offshore energy and oil and gas mooring systems.

The aim is to scale manufacturing through automation and advanced technology, improving speed, quality and cost competitiveness.

Protecting and strengthening UK capability in monopiles and transition pieces is essential, while continued innovation will position the supply chain as a leader in serial manufacturing of floating substructures and mooring systems. Advances such as automated welding, new materials, and corrosion protection can unlock long-term value.

Investment in this area could secure first-mover advantage in a £209 billion global market and support significant domestic job creation, with an estimated £6.3–£12.1 billion GVA over ten years. Case studies highlight companies such as Cooper & Turner, Marine Power Systems and CASC advancing capabilities in this space.

In this section

Preparing for future growth and increasing capacity in the fasteners market

Cooper & Turner is scaling its operations to meet growing demand in offshore wind. By strengthening leadership, optimising production and investing in new technologies, they are increasing capacity and positioning the business for sustained global growth.

Before

Cooper & Turner was already a trusted supplier of safety critical fasteners to leading offshore wind OEMs, with a strong reputation for quality and service. As leadership focus shifted and a new generation stepped in, the Sheffield facility was preparing for significant growth. To support this transition, the business sought OWGP support to adopt a more data-driven, process-led approach, strengthen leadership capability and define a clear long term vision for expansion.

During

Through the OWGP Sprints programme, delivered with Sharing in Growth, Cooper & Turner accelerated its business transformation. The programme focused on leadership development, equipping teams with skills in data-driven decision-making, financial literacy and visual management, while also driving innovation through a structured technology roadmap and New Product Introduction process. This work laid the foundation for securing a development grant to further enhance production capability and support a wider £2m factory reconfiguration.

After

Following OWGP support, Cooper & Turner has significantly strengthened its leadership, streamlined operations and built a scalable model aligned to offshore wind demand. Investment through the development grant has enabled increased production capacity, adoption of new technologies and optimisation of manufacturing processes to support larger, more complex fasteners. The business has since delivered rapid growth, expanding its workforce and increasing both turnover and exports.

How does this help deliver the IGP?

- Strengthens UK supply chain capacity for offshore wind
- Enables scalable manufacturing of safety critical components
- Drives productivity through automation and process optimisation
- Supports export growth and global competitiveness

A smarter, more scalable production model is enabling Cooper & Turner to meet rising offshore wind demand with speed, quality and efficiency.

10 jobs created

Turnover doubled and **£3m** export growth

> “We’ve been able to accelerate our growth and transform our manufacturing capability.”

Dave Briggs
Chief Technical Officer | Cooper & Turner
cooperandturner.co.uk

Industrialised foundations and substructures

MARINE POWER SYSTEMS

Modular floating platform for industrial-scale floating offshore wind

Marine Power Systems (MPS) is advancing modular floating platform technology to enable industrial-scale floating offshore wind. By refining fabrication, assembly and cost modelling, they are making deployment faster, more efficient and more commercially viable.

Before

MPS had been developing its PelaFlex floating platform, alongside a fabrication and assembly strategy and cost model to support large-scale deployment. While the concept was strong, there was a need to refine and accelerate these processes to improve accuracy, efficiency and commercial readiness. To achieve this, MPS partnered with OWGP through the WEST programme, identifying it as a clear route to strengthen its approach.

During

Through the WEST programme, OWGP and Xodus worked with MPS to refine its fabrication and assembly strategy for the PelaFlex platform. A structured approach enabled the team to develop a more detailed and robust cost model, improving accuracy and confidence in large-scale deployment. This work helped streamline planning and provided a clearer pathway to industrialisation.

After

MPS now has a stronger, more commercially focused business model, enabling delivery of a high-quality, lower-cost floating platform directly to the quayside. With improved cost certainty and a refined strategy, the company has secured a range of global partnerships and is progressing towards large-scale demonstration and deployment.

How does this help deliver the IGP?

- Advances floating offshore wind through scalable platform design
- Reduces costs through modular construction and optimised fabrication
- Strengthens UK capability in floating wind technology and deployment
- Supports global collaboration and export opportunities

A modular approach to floating platforms is unlocking faster, lower-cost deployment for the next generation of offshore wind.

Global partnerships **secured**

Megawatt-scale **demonstrator** underway

> “OWGP WEST support fast-tracked our traction across UK, Europe and global markets.”

Dr Gareth Stockton
CEO | Marine Power Systems
marinepowersystems.co.uk

Industrialised foundations and substructures

Site mobilisation services, component design and structural component manufacturing

CASC is expanding its capabilities in offshore wind by combining site mobilisation expertise with in-house design and manufacturing. Investment in advanced laser technology is enabling faster production, greater precision and a broader, more competitive offer.

Before

CASC had built a strong reputation in offshore wind through its site mobilisation services. As demand evolved, the business identified an opportunity to expand into component design and manufacturing to better support OEMs and site operations. To deliver this, CASC sought OWGP support to invest in new equipment and scale its capabilities.

During

Through OWGP Development Grant funding, CASC invested in advanced tube laser and flatbed laser technology, significantly enhancing its manufacturing capability. This was supported by participation in the WEST programme, helping the business better understand OEM requirements and refine its offer for a wider client base. Together, these steps enabled CASC to move into high-precision, in-house production of structural components.

After

CASC now offers a more diverse, end-to-end service, combining mobilisation, design and manufacturing to support offshore wind projects globally. The new technology has increased production speed, precision and capacity, allowing the business to deliver components quickly and efficiently while unlocking new growth opportunities in international markets.

How does this help deliver the IGP?

- Strengthens UK supply chain capability through in-house manufacturing
- Reduces costs and lead times with faster, more precise production
- Supports offshore wind deployment with integrated service delivery
- Drives export growth and global competitiveness

Advanced manufacturing is enabling faster, more flexible delivery, helping CASC meet offshore wind demand at scale.

120 jobs created

83% reduction in manufacturing time

> “Grant funding helped us scale fast and stay competitive in offshore wind.”

Karl Crockard
Managing Director | CASC Ltd
casconline.co.uk

Industrialised foundations and substructures

Future electrical systems and cables

Already a global leader in exporting electrical cables and cable protection systems, the UK is strengthening its position in offshore wind. From Europe to APAC and North America, UK companies are securing major contracts, supported by a strong track record in HVAC systems, including array cables, export cables and key components.

Rising demand from UK wind farms (around 1,700km per year) and planned investment in grid infrastructure, combined with world-leading academic expertise in electrical engineering, make this a key area for future growth. Further innovation and investment will help reduce cable failures, enable next-generation high-capacity HVDC systems, and strengthen interoperability.

Building on this competitive advantage could secure a greater share of a £77 billion global market to 2035, alongside domestic opportunities. Case studies include Apollo, JDR Cable Systems and Tekmar, where companies are advancing product development and market positioning.

In this section

- Apollo
- Tekmar
- JDR Cable Systems

Quick connections for dynamic cables

Apollo is advancing quick-connect technology to reduce the cost and complexity of floating offshore wind. By enabling faster, more reliable connection and disconnection of moorings and cables, they are helping drive down installation time, maintenance costs and overall LCOE.

Before

With 15 years' experience in fixed-bottom offshore wind, Apollo was expanding into floating offshore wind to support the sector's next phase of growth. Through research, they identified quick-connect systems as a key opportunity to reduce installation and maintenance costs. They had already begun developing their PALM QCS device but needed support to adapt and position the technology for floating offshore wind applications.

During

Through OWGP funding, Apollo progressed an engineering design project to adapt PALM QCS for floating offshore wind, including integration with existing technologies. The work validated performance through engineering analysis and delivered a clear route to commercialisation. Additional support through the WEST programme helped refine their market strategy, accelerate product development and identify the most valuable commercial opportunities.

After

Apollo has advanced PALM QCS from early-stage development to a commercially viable solution, with clear scalability and cost benefits for floating offshore wind. The technology has progressed through key readiness levels and is now being prepared for full-scale deployment, supported by further innovation funding and growing industry interest.

How does this help deliver the IGP?

- Reduces installation and maintenance time for floating wind infrastructure
- Lowers LCOE through faster, more efficient connection systems
- Supports innovation in floating offshore wind technologies
- Strengthens UK capability in subsea and mooring systems

Faster, simpler connections are cutting costs and complexity, unlocking more efficient floating offshore wind deployment.

Advanced to **TRL6**

Pilot deployment targeted for **2026–27**

> "OWGP proved our concept could cut costs and unlock floating wind potential."

Nigel Robinson
Marine Energies Director | Apollo
apollo.engineer

Future electrical systems and cables

Next-generation subsea cables for offshore wind

JDR Cable Systems is developing next-generation subsea cables to meet the growing demands of offshore wind. By increasing capacity and improving efficiency, they are enabling higher power transmission for larger turbines while reducing costs across future projects.

Before

JDR had already established itself as a global leader in subsea cabling, supplying over 4,000 km of inter-array cables and supporting more than 15 GW of offshore wind capacity worldwide. As turbine sizes increased and demand for higher-capacity systems grew, JDR identified the need for next-generation array and export cables. To accelerate development and enter the high-voltage export cable market, they secured OWGP Development Grant support.

During

JDR progressed the development of advanced 66 kV and 132 kV cable solutions, incorporating new materials and polymer technologies to increase power transmission capability. Leveraging strong project execution and a structured stage-gate process, the team maintained rigorous oversight while rapidly advancing innovation. This approach ensured efficient development and readiness to meet evolving industry requirements.

After

JDR has successfully launched new high-capacity cable products and expanded its position in the offshore wind market. With proven next-generation solutions now qualified and in use, the business is unlocking new project opportunities while investing in large-scale manufacturing to meet growing global demand.

How does this help deliver the IGP?

- Enables higher-capacity power transmission for next-generation turbines
- Reduces costs through more efficient, long-length cable solutions
- Strengthens UK leadership in subsea cable technology and manufacturing
- Supports large-scale offshore wind deployment and export growth

Next-generation cables are unlocking higher capacity, greater efficiency and the future of offshore wind power transmission.

171 jobs created

£130m UK manufacturing facility investment

> “OWGP is a vital partner for scaling, innovation and growth in offshore wind.”

James Young
Chief Strategy Officer | JDR Cable Systems
jdrcables.com

Future electrical systems and cables

Driving business improvement and exports in offshore cable solutions

Tekmar is strengthening its global position in offshore wind through business transformation and leadership development. By improving systems, processes and governance, the company is driving performance, increasing exports and building a more resilient, scalable organisation.

Before

Following rapid growth and a series of acquisitions, Tekmar identified the need to strengthen its internal structure to support continued expansion. While successful, the business relied heavily on informal knowledge and lacked standardised processes and governance. To build a more scalable and efficient organisation, Tekmar sought support through the SIG programme.

During

Through the SIG programme, Tekmar aligned its organisation around a clear strategic direction, supported by an implementation plan to drive execution. A strong focus on leadership development saw 50% of the workforce take part in training, improving communication, engagement and accountability across the business. Alongside this, new systems, processes and governance structures were introduced, embedding a more consistent and efficient way of working.

After

Tekmar has transformed into a more structured, high-performing global business, with stronger leadership, improved delivery and increased operational efficiency. The company is now exporting the majority of its products worldwide, supported by enhanced customer delivery and a more scalable operating model.

How does this help deliver the IGP?

- Strengthens UK supply chain capability in subsea cable protection
- Drives export growth across key global offshore wind markets
- Improves operational performance through structured processes and governance
- Builds long-term resilience through leadership development and organisational alignment

Stronger leadership and smarter systems are enabling Tekmar to scale globally and deliver offshore wind projects with greater consistency and confidence.

80% of business exported globally

Improved operational performance metrics

> “We now export **80%** of the business and support many high-profile UK projects.”

Marc Bell
Managing Director | Tekmar
tekmar.co.uk

Future electrical systems and cables

Smart environmental services

Accelerating offshore wind growth hinges on more investment right at the start of the supply chain. It is essential to prioritise the environmental surveys, land clearance buoys and vessels that serve as the bedrock for every successful project. The UK has a long track record in exporting these services across more than 28 projects totalling c.22GW capacity in the last 8 years.

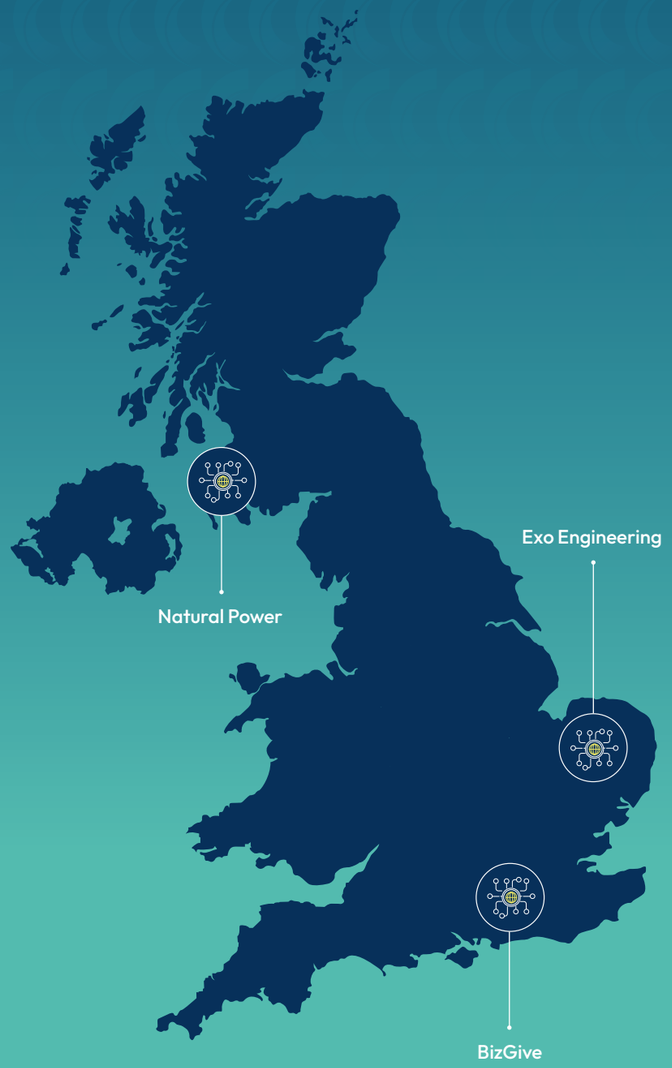
The nation is also home to several companies at the forefront of survey technology, including remote sensing, autonomous surveys, and data analytics.

UK projects rely on the domestic supply chain for these services. Investment in this focus area is likely to contribute to a GVA of up to 0.5 billion over 10 years expanding international supply in a serviceable market worth 0.5 billion by 2035.

Our programmes have already helped many UK-based companies grow their smart environmental services capabilities. These companies include Natural Power, BizGive and Exo Environmental.

In this section →

- Natural Power
- BizGive
- Exo Engineering



Low-cost survey technique based on environmental DNA (eDNA) analysis

Natural Power is pioneering the use of environmental DNA (eDNA) to transform offshore wind surveying. By enabling faster, lower-cost and more precise environmental data collection, this approach is improving consenting processes while reducing impact on marine habitats.

Before

Natural Power had a strong track record in offshore wind, supporting projects from site selection through to decommissioning. Looking to improve environmental surveying, they identified eDNA as a potential alternative to traditional trawling methods, which are costly, time-consuming and intrusive. To validate this approach, they sought partners and secured OWGP funding to trial the technology.

During

With OWGP support covering 50% of project costs, Natural Power collaborated with NatureMetrics and EDF Renewables to trial eDNA sampling at the Blyth Offshore Wind farm. Over 12 months, multiple surveys compared eDNA data against traditional trawling methods, demonstrating the potential for faster, more efficient biodiversity monitoring. Additional support expanded the scope to explore wider applications across marine ecosystems.

After

The project successfully demonstrated that eDNA can deliver more detailed and accurate biodiversity data than traditional methods, while reducing cost and environmental impact. The findings have been shared with the industry and are now progressing towards regulatory approval, positioning eDNA as a future standard for offshore wind environmental surveys.

How does this help deliver the IGP?

- Reduces consenting costs through faster, lower-cost survey methods
- Minimises environmental impact with non-intrusive data collection
- Improves data quality for environmental assessments and compliance
- Strengthens UK leadership in environmental innovation for offshore wind

eDNA sampling is redefining environmental surveys, delivering better data, at lower cost, with minimal impact on marine ecosystems.

50% project funding secured

New survey standard in development

> “OWGP-backed eDNA surveys offer a faster, smarter path to offshore wind consenting.”

Michelle Elliot
Principal Environmental Consultant | Natural Power
naturalpower.com

Smart environmental services

Maximising the socio-economic impact of assets in host communities

BizGive is helping offshore wind developers maximise socio-economic impact through digital tools that connect assets with communities. With the launch of AssetFace, they are enabling smarter engagement, measurable ESG outcomes and stronger relationships across the sector.

Before

BizGive had established its ESG-focused platform in the renewable energy sector but wanted to better understand the specific needs of offshore wind. While community engagement is well developed in onshore wind, offshore wind presented different challenges at scale. To refine its offer and unlock new opportunities, BizGive joined the OWGP WEST programme to gain deeper market insight and shape its strategy.

During

Through WEST, BizGive developed a clear understanding of offshore wind market dynamics, enabling them to align their platform to sector needs. Market insights, stakeholder engagement strategies and product positioning support helped the team identify where they could deliver the most value. This directly informed the development of AssetFace, a new platform feature designed to enhance community engagement and ESG delivery in offshore wind.

After

BizGive has successfully launched AssetFace, with pilots underway across offshore wind companies and strong early commercial traction. The platform is helping shift community engagement from mitigation to measurable impact, while new tools like AssetChat are further enhancing stakeholder interaction. With growing adoption and continued innovation, BizGive is scaling its role in supporting ESG outcomes across the offshore wind sector.

How does this help deliver the IGP?

- Strengthens community engagement and social value in offshore wind
- Enables measurable ESG outcomes across project lifecycles
- Supports developers in aligning with stakeholder and regulatory expectations
- Drives innovation in digital tools for the offshore wind supply chain

Smarter engagement tools are helping offshore wind deliver real, measurable benefits for the communities they operate in.

50% revenue growth in 6 months

3 major clients onboarded

> “With the right support partner, we’ve built AssetFace with the industry, for the industry.”

Louise Downing
Founder | BizGive
bizgiveworld.com

Smart environmental services

The smart environmental solution for offshore wind farm scour protection

Exo Engineering is developing nature-inclusive scour protection solutions that combine infrastructure performance with marine habitat creation. By integrating sustainability into design and manufacturing, they are helping offshore wind projects meet environmental targets while protecting critical assets.

Before

Exo began developing ecologically enhanced scour protection solutions in 2019, progressing the technology to TRL7 through early R&D. With growing demand for sustainable offshore wind solutions, the business set out to scale its approach and move towards commercial production. To accelerate this transition and validate large-scale deployment, Exo secured OWGP Development Grant support.

During

Through the project, Exo advanced product design, manufacturing capability and deployment strategies, working closely with partners across industry and academia. Insights from the OWGP WEST programme helped shape their understanding of market needs, regulatory requirements and biodiversity opportunities. This enabled the team to refine their approach and prepare for industrial-scale production of nature-inclusive scour protection systems.

After

Exo has rapidly evolved from a single concept to a portfolio of commercially available products, successfully advancing its technology to higher readiness levels. With proven solutions now ready for deployment, the business is scaling production, expanding its intellectual property and positioning itself for growth in international offshore wind markets.

How does this help deliver the IGP?

- Supports nature-inclusive design across offshore wind developments
- Helps developers meet biodiversity and environmental targets
- Reduces environmental impact while maintaining asset protection
- Strengthens UK leadership in sustainable marine innovation

Nature inclusive design is turning essential infrastructure into thriving marine habitats, without compromising performance.

3 jobs created

5 products commercialised

> “We’ve taken our solutions from concept to commercial reality, through having the right backing.”

William Coulet MSC
Managing Director | Exo Engineering
exo-engineering.co.uk

Smart environmental services

Next generation installation and O&M

The UK is an established leader in O&M with strong expertise in installation vessels serving UK and European markets.

Many technology providers are advancing intelligent remote monitoring and inspection solutions to improve reliability and reduce the cost of offshore operations. The UK supply chain also brings deep experience in vessel design, operations and deck equipment.

Access to the largest operating wind farm capacity in Europe gives UK companies a strong platform to scale innovation in O&M technologies and expand export opportunities. Continued investment in installation and O&M services, alongside low-carbon Crew Transfer and Service Operation Vessels, could secure a strategic edge in a global market valued at £211 billion to 2035, generating up to £2 billion in GVA over the next decade.

Our funding programmes have provided critical investment into next-gen installation and O&M projects delivered by companies like Pict Offshore, Zelim and Sonardyne.

In this section →

The future of access, lifting and height safety solutions

Pict Offshore is redefining access and lifting in offshore wind with safer, more efficient solutions. By combining sensor-driven technology with innovative design, they are improving personnel transfer, reducing risk and unlocking new operational efficiencies.

Before

Pict Offshore had already proven its Get Up Safe (GUS) system as a reliable solution for personnel transfer between vessels and turbines, with systems deployed and in operation across offshore wind projects. Building on this success, the business identified an opportunity to evolve GUS into a fully integrated lifting solution, combining personnel and equipment handling. To accelerate development and scale innovation, Pict secured OWGP support.

During

With OWGP funding and support, Pict began developing the next-generation GUS system, integrating active heave compensation into a new structure capable of lifting both personnel and loads. Alongside technical development, the business strengthened its operations through the OWGP Sprints programme, improving management processes, efficiency and industry engagement. This combined support accelerated product innovation, certification and readiness for market.

After

Pict has advanced its next-generation GUS system (Gx2), expanding its capability to deliver safer, more efficient lifting solutions for offshore wind. With testing underway and growing commercial interest, the business is scaling its offering, creating new opportunities across fixed and floating wind, while driving job creation and supply chain growth.

How does this help deliver the IGP?

- Improves safety in offshore wind operations through advanced lifting systems
- Reduces costs and downtime with more efficient access solutions
- Supports innovation in both fixed and floating offshore wind
- Strengthens UK capability in offshore engineering and manufacturing

Safer, smarter lifting solutions are transforming how technicians and equipment move offshore.

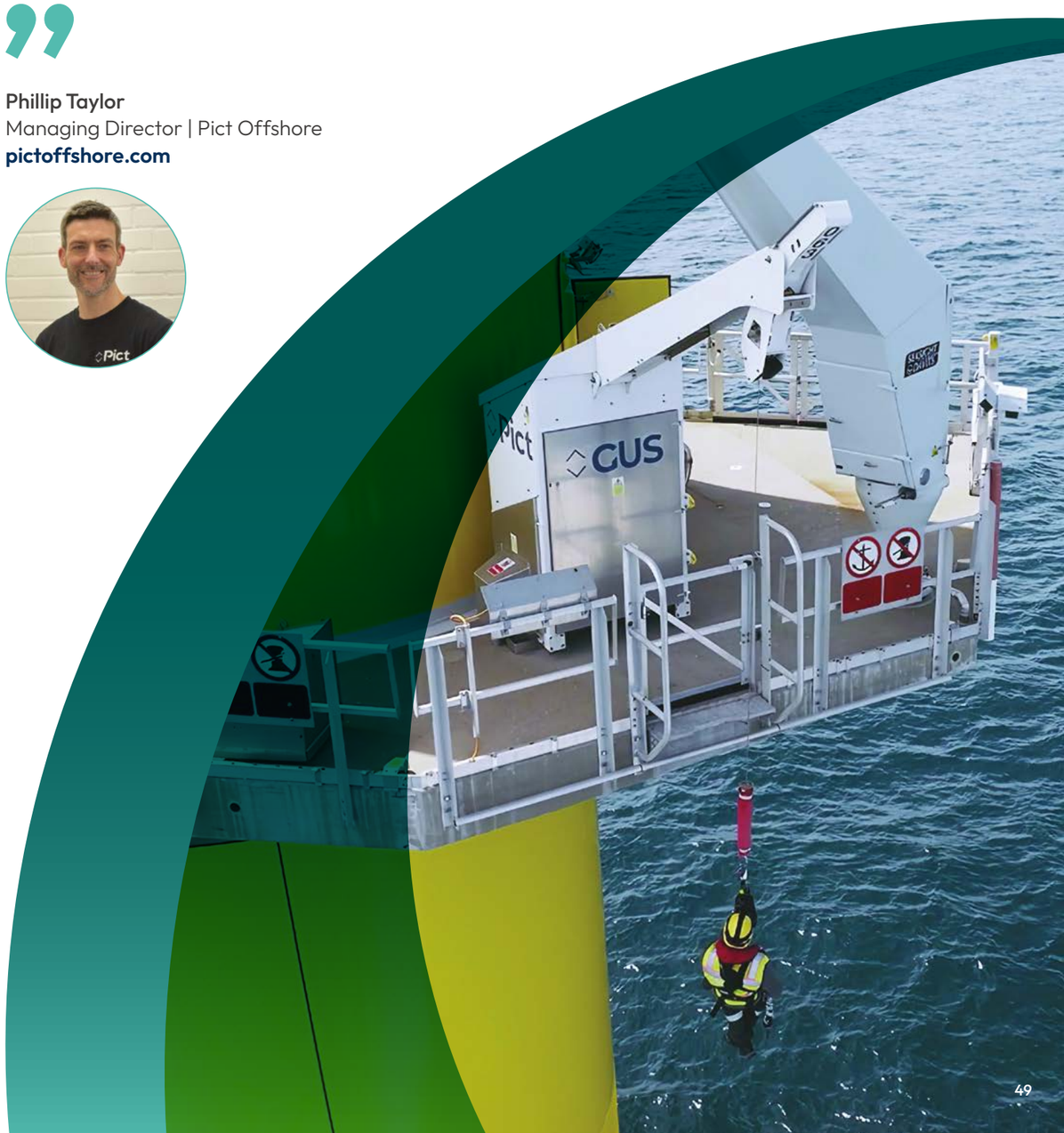
15 jobs created

Next-generation system in testing

> “The launch of our next generation GUS system has been fast-tracked with the support of OWGP.”

Phillip Taylor
Managing Director | Pict Offshore
pictoffshore.com

Next generation installation and O&M



World's first unmanned and semi-autonomous rescue vessels

Zelim is transforming offshore safety with unmanned and semi-autonomous rescue solutions. By enabling faster, safer recovery of personnel in the water, their technology reduces risk to crews while improving response times across offshore wind operations.

Before

Zelim had already begun developing its overboard recovery technology, supported by early-stage innovation funding and partnerships within the offshore wind sector. With a strong concept in place, the business needed to validate performance in real-world environments and build a pathway to commercialisation. To achieve this, Zelim secured OWGP funding to accelerate testing and industry engagement.

During

With OWGP support, Zelim carried out commercialisation testing of its patented recovery system, generating robust evidence of its performance and operational benefits. This enabled the business to secure demonstrator projects with both a crew transfer vessel operator and an offshore wind farm owner, while strengthening relationships with OEMs and key industry stakeholders.

After

Zelim has successfully advanced its technology to a high level of readiness, demonstrating its capability in real offshore wind environments. With increased industry visibility and credibility, the business is now well positioned to move towards full commercial deployment and scale its safety solutions across the sector.

How does this help deliver the IGP?

- Improves health and safety across offshore wind operations
- Reduces risk to personnel through autonomous rescue capability
- Supports innovation in maritime and offshore safety technologies
- Strengthens UK leadership in advanced safety solutions

Autonomous rescue technology is setting a new standard for offshore safety; faster response, lower risk, better outcomes.

Advanced to **TRL8**

Successful **offshore** demonstrators

> "Having backing from OWGP has provided credibility in the offshore wind sector, raising our profile with the industry and potential investors."

Sam Mayall
CEO | Zelim
zelim.com

Next generation installation and O&M

Sonardyne

Acoustic Doppler Current Profiler technology to improve subsea installation and O&M data

Sonardyne is advancing subsea sensing technology to deliver higher-resolution metocean data for offshore wind. By enhancing Acoustic Doppler Current Profiler (ADCP) systems, they are enabling more accurate planning, installation and operation of wind farms.

Before

Sonardyne identified a growing need for higher-resolution metocean data to support Offshore Wind development, particularly in deeper and more complex environments. Existing ADCP technology lacked the precision required to fully understand turbulence and site conditions, limiting optimisation of turbine placement and subsea infrastructure. To address this, Sonardyne secured OWGP funding to enhance its ADCP Seabed Lander technology and integrate it with complementary systems.

During

Through the project, Sonardyne developed an enhanced ADCP solution, integrating subsea sensing with topside communications and LiDAR buoy systems to deliver a more complete dataset. A structured development programme covered system design, testing, integration and offshore deployment, ensuring the technology could deliver reliable, high-quality data. This approach enabled continuous refinement and de-risked the path to real-world application.

After

Sonardyne has successfully demonstrated its enhanced ADCP technology, delivering improved data accuracy and supporting better decision-making across offshore wind projects. The solution is now driving increased industry engagement, supporting revenue growth and strengthening Sonardyne's position as a key technology provider in the sector.

How does this help deliver the IGP?

- Improves data accuracy for offshore wind site assessment and design
- Supports optimisation of turbine placement and subsea infrastructure
- Reduces risk and cost through better-informed decision-making
- Strengthens UK leadership in subsea monitoring and sensing technologies

Better data means better decisions, unlocking more efficient, reliable offshore wind development.

£1.2m → £5m offshore wind revenue growth

Dedicated **offshore wind** team established

> "Funding and strategic support has accelerated our roadmap and enabled a complete end-to-end solution."

Michael Ellis
Business Development Manager | Sonardyne
sonardyne.com

Next generation installation and O&M

Future vision

We have all come a long way together. As we reflect on the progress we have made in driving supply chain growth, it's important to remember that OWGP's role is more critical than ever. We are the UK's flagship growth, funding and business support organisation for offshore wind and there is so much more for us still to do.

We are fortunate to have worked with so many resourceful and competitive companies. Yet most of the work is still ahead of us. To sustain progress and capitalise on the incredible opportunities offshore wind offers, we must remain focused and in tune with sector needs. The future is ours to shape.

"The Industrial Growth Plan is a clear roadmap to success and opportunity, informed by a thorough analysis of the sector and the UK's relative strengths. We have adapted our programmes to target the key priority areas identified in the IGP and will continue collaborating with our stakeholders to realise its full potential in our role as the IGP Delivery Body. OWGP will continue to refine the Plan and our programmes, as sector requirements change.

What will not change is our commitment to achieve a globally competitive supply chain across all priority areas. Let's leave no room for doubt. It may take time, but we will get there."

Anil Sayhan
Programme Director | OWGP

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Offshore Wind Growth Partnership

Funded by the Offshore Wind Industry Council.

owgp.org.uk

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