



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

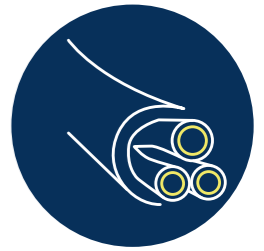
Next-generation cables are unlocking higher capacity, greater efficiency and the future of offshore wind power transmission.



171 jobs created



£130m UK manufacturing facility investment



Future electrical systems and cables

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

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

