

Offshore Floating Wind



40+ Years Deepwater Expertise
95% TLPs Installed Worldwide

Designs Tailored for the Environment

OSI Renewables provides developers with bespoke, cost-effective floating wind system designs which are optimized for the local environmental conditions to maximize operational efficiency. We partner with local fabricators to support in-country harbor-side manufacturing.

OSI's RiserTec™ subsidiary carries out global engineering analysis to determine optimal system design for best performance in the dynamic offshore environment.

Turnkey Floating Wind System Features

- Includes the complete package of seabed mooring, hull, turbine, pull-in & installation
- Scalable to 20+MW and 1000m water depth
- Utilizes a lower cost tension-leg platform (TLP) style mooring system
- Integral floating structure, mooring, and turbine design optimized through rigorous global design and analysis
- Able to be integrated with any OEM turbine

Benefits of the Integral Design

- Maximises turbine output
- Ensures stability between the platform and wind turbine
- Minimizes fatigue stresses applied to the structure
- Extends system utilisation and design life
- Optimizes wind power generation



Global Service & Support

OSI Renewables™ is a part of the OSI portfolio. Through our global footprint in 14 countries and more than 1,200 employees we leverage our deepwater engineering & analysis, manufacturing, testing, and offshore operational experience to provide our integrated systems and services.

To help meet local content requirements or support manufacturing needs of OEM's and developers our OSI group of businesses can leverage our global footprint, world-leading engineering, precision manufacturing, materials & welding, custom molding, & mechanical testing disciplines.

Offshore Floating Wind

Spar

TLP

Semi-sub

One Stop Shop Service

Heritage

- 40+ years of deepwater offshore experience
- 95% of installed global Tendon Leg Platform experience
- Field proven technology
- De-risk floating wind projects

UK and Export Markets

Product Technical Solutions

- Delivery of turnkey mechanical packages
- Turnkey mechanical package – mooring system plus floating Platform plus turbine
- Mooring package
- Platform package
- Modular construction
- Flexible high volume manufacturing

Design Technical Solutions

- Homogenous design approach
- Location specific system design
- Water depth / sea state / sea bed conditions
- Efficient system design optimises Turbine output
- Prototype testing
- Turbine selection most suited to local environment
- Unique platform design
- Stability Turbine output
- Modular construction
- Designed for efficient manufacture

Manufacturing Consultancy

- Local manufacture selection support
- Manufacturing equipment selection support
- Manufacturing qualification
- Review and report on suitability of local ports
- Review and report on suitability of installation vessels
- Manufacturing support
- System installation support
- Operation and maintenance

Analysis | Engineering | Manufacturing | Assembly & Installation

OSI RENEWABLES™ OFFSHORE FLOATING WIND

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