

PROJECT DELIVERY



RES Offshore provides project delivery services to utility-scale renewable energy projects.

A project can be broken down into a number of discrete and sequential phases each of which can be undertaken as a separate package of work. Our approach leaves our clients with maximum flexibility. Since our expertise covers all the project phases, we can get involved in a project at any point in its development and can adjust the scope of work to suit the client's specific needs.



Development

- Development and consent management
- Detailed site evaluation
- Grid connection feasibility
- Cable routing and landfall studies
- Offshore met masts and metocean data collection
- Wind speed and metocean data strategy and analysis
- Preliminary design and project definition for consent
- Construction and operation planning for consent
- Energy yield prediction
- Cost and financial evaluation
- Due diligence support

Pre-Construction and FEED

- Procurement and contracting strategy
- Site assessment including climatic and metocean data and seabed conditions
- Front End Engineering Design (FEED) - structural, electrical, cables and SCADA
- Major equipment and systems selection for turbines and Balance of Plant
- Contract preparation, tendering and contractor selection
- Construction programme and capital expenditure evaluation
- Operations strategy, O&M base specification and operating cost evaluation
- Turbine layout and energy yield analysis
- Financial modelling support
- Due diligence support



Construction Management

- Health, safety and environmental management
- Project management
- Procurement and tender management
- Contract preparation and negotiation
- Contract financial management
- Survey engineering management
- Client's engineer
- Detailed design
- Interface and risk management
- Quality assurance and site representation
- Met mast Engineer, Procurement & Construction (EPC) delivery
- Marine logistics management
- Onshore and offshore site works
- Project planning and control
- Post construction performance analysis

Asset Operations & Maintenance

- Strategy development and performance optimisation
- Health, safety and environmental management and monitoring
- Environmental survey management
- Stakeholder relations management
- Performance and production reporting and optimisation
- Reliability monitoring and downtime evaluation
- Condition monitoring and maintenance planning
- Equipment failure investigations
- Grid code compliance monitoring
- Data management
- Contractor selection and management

Providing **end-to-end** or **individual services**
to **utility-scale** renewable energy projects

For further information:

T +44 (0)1923 608 200 **E** info@res-offshore.com

www.res-offshore.com

