



OWNER'S ENGINEERING FOR RENEWABLE ENERGY PROJECTS AND ENERGY STORAGE

MITIGATING RISKS FROM DAY ONE.



Successful renewable energy development depends on understanding and managing risk from day one. Whether developing an offshore wind farm, floating solar PV installation, or onshore renewable project, it is critical to have full visibility of the complete risk profile, spanning economic, technical, and marine factors.

As Owner's Engineer, we act as an independent technical advisor, supporting clients from requirements definition and site condition assessment through technology evaluation, Pre-FEED and FEED, to contracting strategy and scheduling. We leverage our global advisory and engineering experience to add significant value and ensure projects are delivered in line with specifications, design intent, financial objectives, and overall business plans.

Your Project, Delivered with Assurance

Through our OE solutions, we provide comprehensive oversight of your project or integrate seamlessly with your project team to deliver targeted support where needed. We begin by verifying contractor compliance and ensuring that all documentation and design requirements are met, so you receive the asset you specified. We then monitor construction through regular site inspections, ensuring safe, timely, and cost-effective delivery.

Our involvement continues through commissioning and reliability testing, confirming that all systems perform to required standards before project handover.

At every stage, we ensure you have full transparency and access to the information needed for confident decision-making.

Why Owner's Engineering Matters

- Project delays
- Increasingly competitive global market context
- Pressure on in-demand supply chain, including marine infrastructure
- Relevant skillset shortage



Our Solutions

Our services can cover specific work packages in the development of a project, such as the subsea architecture, cables and transmission of a floating solar PV plant, or they could be provided as a complete package to support clients along every step of the way to their project success.

Key services include:

Early-stage & development

- Site conditions & measurement
- Consents & environmental management
- Site investigation management
- Wind turbine selection
- Concept design, Pre-FEED & FEED
- Layout optimisation
- CAPEX & OPEX assessments

Engineering & technical assurance

- Detailed design reviews & interface management
- Electrical, grid & transmission
- Installation concept reviews
- Assurance strategy & certification
- Technical & engineering studies

Commercial & contracting

- Contracting strategy support
- Contract administration & commercial management
- Contract claims management
- Package management

Construction & execution

- Construction monitoring & site representation
- Shipping & factory inspections
- Site inspections
- Quality control & testing
- Defects and punch-listing

Operations & asset management support

- Warranty, O&M support
- Contingency planning (repair, maintenance strategies)
- Technical troubleshooting
- Risk management
- Health & safety

Combining global wind and solar expertise with a deep understanding of project risk across the full lifecycle, we act on our clients' behalf to implement proactive mitigation measures. This approach reduces the risk of delays and unforeseen costs, ultimately protecting and enhancing your project's value.

Value We Bring



Pooling practical experience with multi-disciplined engineering and marine expertise



Ensuring compliance with standards, contractual terms and design specifications throughout the project development



Provision of expert client representatives and secondments



Driving timely delivery with reduction in costs

Global Partner. Local Expert.

OWC: The Renewable Energy Consultants. Dedicated engineering, technical advisory and consultant for the commercial development of offshore and onshore renewable energy.