



CWIND TAIWAN

YOUR LOCAL **OFFSHORE WIND PARTNER**



OFFSHORE RENEWABLES SERVICE OFFERING

ONSHORE
SUBSTATION
SERVICES

OFFSHORE
WIND
TRAINING

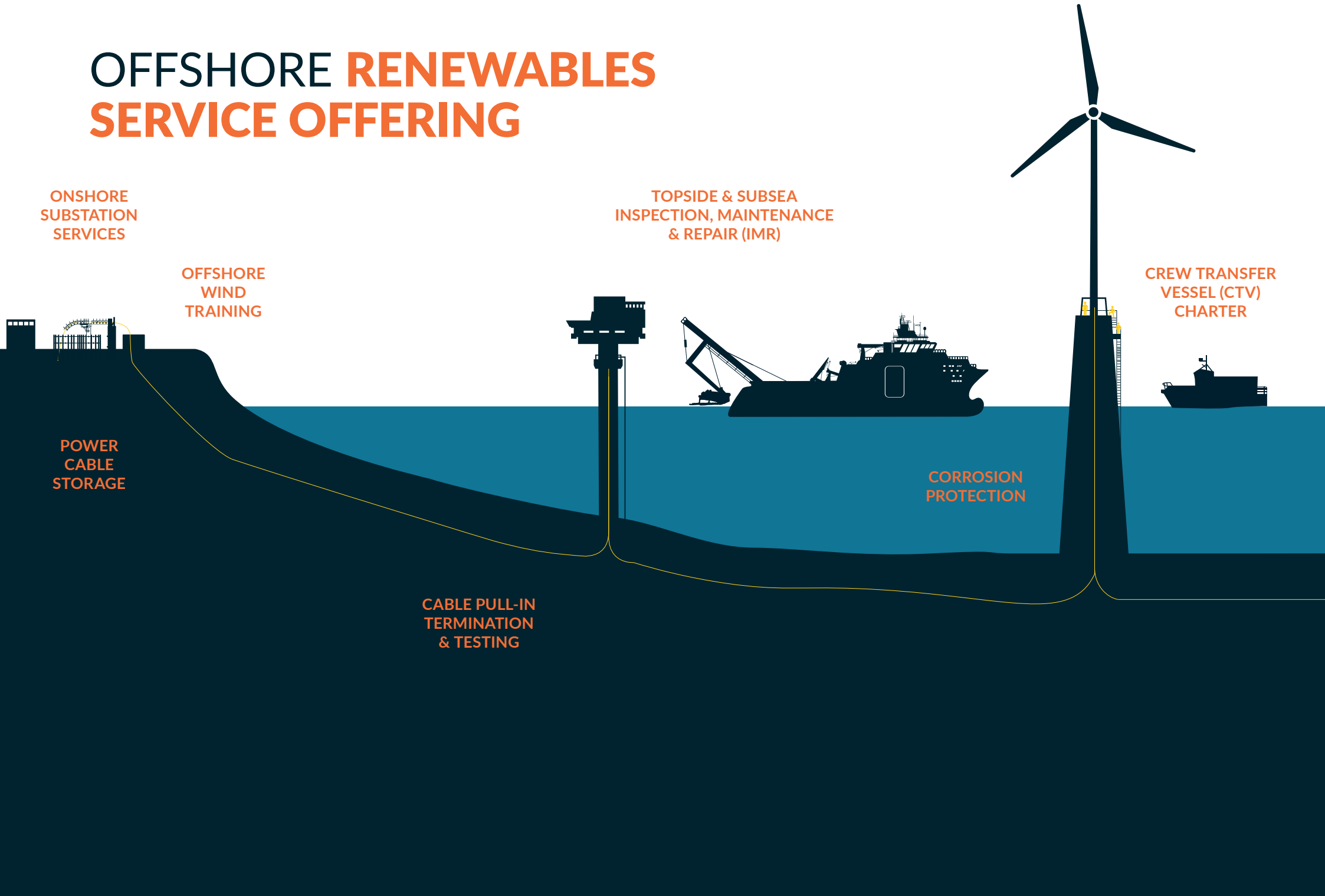
POWER
CABLE
STORAGE

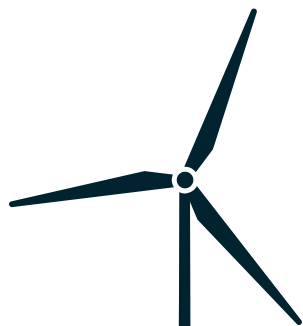
TOPSIDE & SUBSEA
INSPECTION, MAINTENANCE
& REPAIR (IMR)

CREW TRANSFER
VESSEL (CTV)
CHARTER

CORROSION
PROTECTION

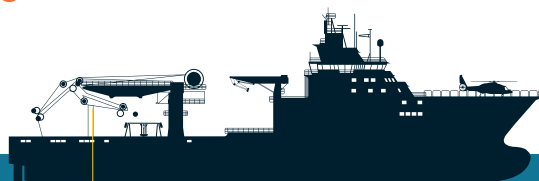
CABLE PULL-IN
TERMINATION
& TESTING





TEMPORARY
POWER &
REFUELING

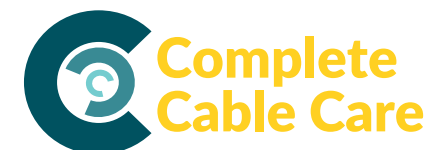
SPECIALIST
CONSTRUCTION
& IMR VESSELS



SUBSEA SURVEY
SOLUTIONS



TECHNICIANS &
ENGINEERING
SUPPORT



CWIND Taiwan

臺英風電

TURNKEY SOLUTIONS FOR THE OFFSHORE WIND INDUSTRY





OUR COMPANY

CWind Taiwan, a joint venture between CWind, part of the Global Marine Group, and International Ocean Vessel Technical Consultant (IOVTEC), part of the International Ocean Group, provides construction and O&M services, high-performance crew transfer vessels, offshore technicians, and skills training, to the Taiwanese offshore wind farm industry.

Established in 2018, CWind Taiwan has an enviable track record, having successfully provided integrated services at 10 landmark Taiwanese offshore projects to date.

With vast knowledge inherited from our parent companies' experience at over 50 offshore wind farms globally, our team operates to the highest European standards of health and safety. Combining a wealth of Taiwanese offshore wind industry experience, and collaborative relationships with local stakeholders and authorities, CWind Taiwan applies European experience and Taiwanese knowledge to deliver a reliable, tailored, turnkey solution.

CWind Taiwan has a strong team of in-house Taiwanese technicians and crew transfer vessel (CTV) crew with practical experience on both European and Taiwanese wind farms. All of our personnel are highly skilled and fully trained, to ensure a high level of safety and efficiency regardless of how complex your project.

CWind Taiwan also operates an Global Wind Organisation (GWO) offshore wind training facility, Taiwan International Windpower Training Center (TIWTC), in cooperation with domestic developers and government entities. TIWTC was the first Taiwanese training provider to be accredited by GWO in 2019, and since then, has trained hundreds of local students, further supporting the growth of the local offshore wind supply chain.

With abundant experience and a strong commitment to developing the Taiwanese market, CWind Taiwan is your reliable, experienced, local offshore wind partner.

TOPSIDE INSPECTION, MAINTENANCE & REPAIR

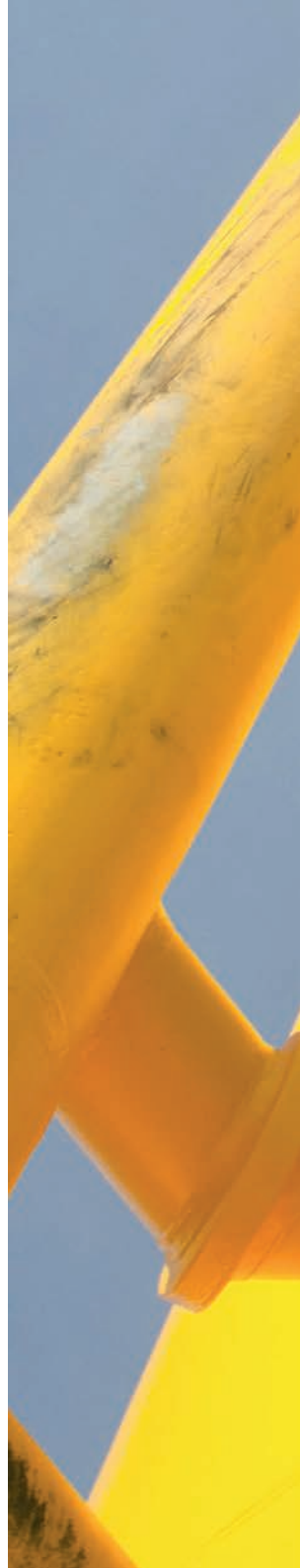
CWind Taiwan has a robust track record of successful inspection, maintenance & repair (IMR) delivery for wind turbine and offshore substation foundation structures.

Utilising our owned assets, in-house technician and project management teams, and working from procedures established over more than a decade delivering operations and maintenance services in Europe and Taiwan, we deliver turnkey balance of plant solutions through one interface.

Over the last few years, CWind Taiwan has provided IMR solutions which actively increase efficiencies, improve turbine utilisation and reduce turbine downtime.

OUR KEY CAPABILITIES INCLUDE:

- Statutory inspections
- Electrical LV/HV inspections
- Corrosion protection
- Primary and secondary steel inspections
- General visual inspections
- Retrofits
- Fabrication acceptance inspections
- Onshore substation inspections and maintenance
- Offshore substation inspections and maintenance
- Cable and cable accessories storage
- Pre-assembly walkdowns
- Onshore cable route and HDD duct walkdowns/surveys
- Detailed visual inspections
- Paint inspections and repair







SUBSEA INSPECTION, MAINTENANCE & REPAIR

From our fleet of six CTVs, strategically positioned along Taiwan's coast, and supported by an advanced survey vessel fleet owned and operated by our parent company, IOVTEC, we deliver a range of reliable subsea inspection and survey services to energy developers and asset owners.

With extensive experience providing subsea surveys, we provide our clients with detailed insights into seabed and structural conditions, enabling them to make informed decisions.

Whether our clients need a survey to determine seabed conditions prior to cable burial, or as part of their proactive operations and maintenance strategy, we have a tailored solution to suit.

OUR KEY CAPABILITIES INCLUDE:

- Scour monitoring
- Bathymetry and seabed survey with MBES, SBES and SSS
- Foundation survey and inspections
- Benthic survey monitoring
- Cable depth of burial survey
- UXO survey



TEMPORARY POWER

With a range of temporary power packages available, CWind Taiwan offers modular generator design with fast mobilisation and short turnaround times, to prevent costly downtime.

Our tried-and-tested method for rapid response includes strategically located vessels ready to mobilise at short notice, as well as an in-house stock of generators prepared and ready for use.

Ease of mobilisation is enabled by our process of separating each generator into three individual components, thereby eliminating the need for installation vessels for large lifts during mobilisation and demobilisation as the largest component can be easily lifted with a 1-ton davit crane.

Every generator comes with all the required accessories such as fuel tanks, transformers and cabling, and each generator is equipped with a remote monitoring system to report all metering indicators.

We offer our clients full transparency, with access to track the real-time performance data within an intuitive app, and take appropriate actions based on the data provided at the touch of a button.

CWind Taiwan's local technician teams are permanently available in-country to plan service and refueling schedules from onshore and are able to respond promptly to any alarms with troubleshooting assistance.









RELIABLE, COST-EFFECTIVE CREW TRANSFER VESSELS

VERSATILE FLEET OF CREW TRANSFER VESSELS

CWind Taiwan's specialised fleet of Crew Transfer Vessels continues to expand and improve to meet the needs of our construction contracts and our long term maintenance charters. Our impressive fleet and highly-qualified, experienced crew are capable of transporting and transferring technicians quickly, safely and comfortably, even in tough weather conditions. We are also able to deliver a range of subsea survey solutions from our CTV fleet.

ISM COMPLIANT MANAGEMENT SYSTEM

CWind Taiwan's Integrated Management System (IMS) meets the ISM code, an internationally recognised standard for the safe management and operation of ships and pollution prevention. CWind Taiwan have successfully adopted this to comply with Taiwanese regulations to ensure full compliance of our CTV fleet.

SMART DIGITAL VESSEL MANAGEMENT

We have implemented a digital management systems across our fleet to ensure overall efficiency of the operation team. BareFLEET, Reygar's remote monitoring system has been connected to each vessel's existing systems and collects data to track health and performance, informing the crew and operations team of potential maintenance issues to avoid unscheduled vessel downtime while CrewSmart gives access to information for CTV fleet, crew and technician requirements, including personnel records, operational data and commercial and financial information

CABLE SERVICES

PRE-LAY GRAPNEL RUN & ROUTE CLEARANCE

Pre-lay grapnel run (PLGR) and route clearance is key to a successful cable laying project. CWind Taiwan provides PLGR using grapnels running through the laying route to ensure route clearance and removal of any debris before the cable laying operation.

Utilising the technical and operational expertise of our parent company, Global Marine Group, we ensure reliable and effective route preparation for the best project outcome.

OUR KEY CAPABILITIES INCLUDE:

- In-country route clearance equipment and grapnels for quick mobilization
- In-house cable installation expertise to oversee operations
- In-house survey support of PLGR operations
- Access to multiple vessel platforms to manage all water depths and route requirements

CABLE PULL-IN & TERMINATION & TESTING

Whether your requirement is for a wind farm with two turbines or 100, we offer a full package including cable pull-in, termination and testing, project support and CTV charters to achieve efficiency gains in cable installation as well as reducing overall risk.

OUR KEY CAPABILITIES INCLUDE:

- Design and construction of cable pull-in systems
- Engineer of complex rigging solutions
- Installation of export and inter-array cables
- Specialised cable pull-in equipment
- Design and supply of supporting cable equipment
- Cable stripping and routing
- Installation of final hang-off
- Termination and jointing of power cores
- Splicing & termination of fibre-optic cables
- Cable testing







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