



manorrenewableenergy

TEMPORARY POWER AND ENGINEERING SOLUTIONS FOR THE OFFSHORE INDUSTRY



Delivering a flexible portfolio of services built on **quality**, **safety**, **honesty** and **vigour**, with a commitment to long term business **relationships**.

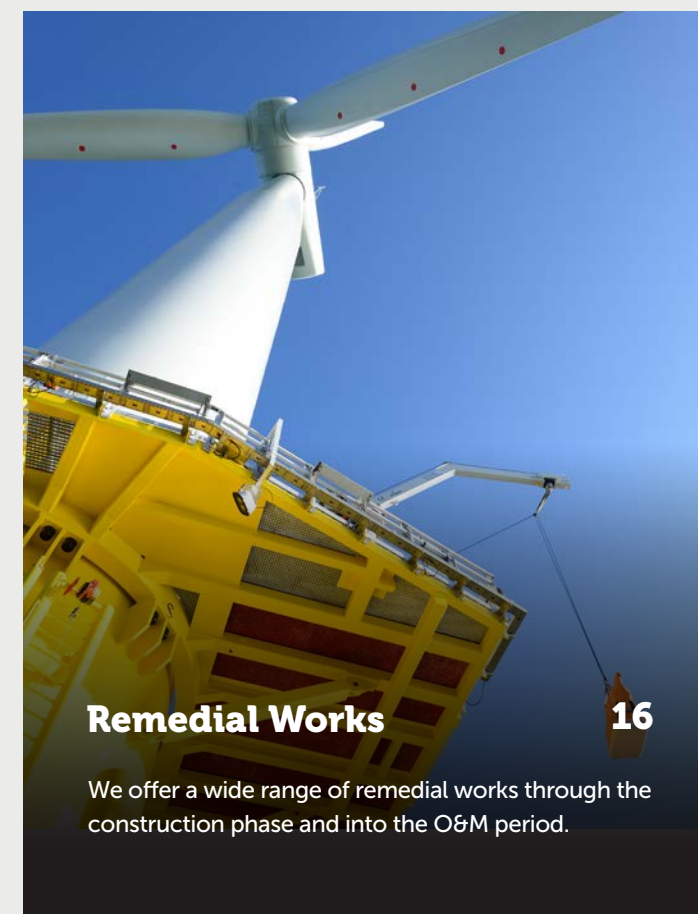
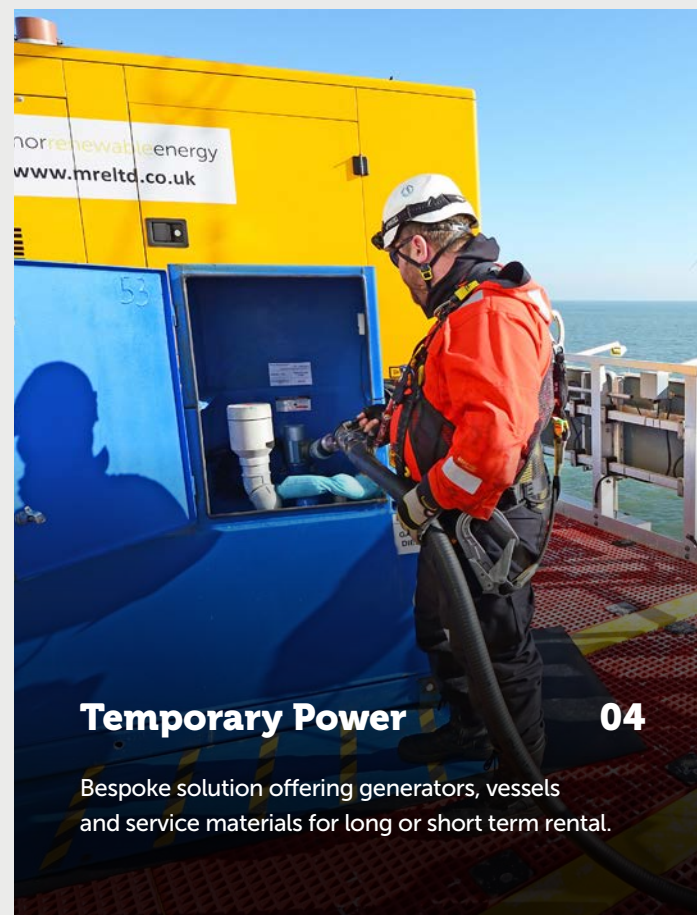
What we do

Manor Renewable Energy (MRE) was established in 2013 and has rapidly become recognised for our knowledge and expertise in delivering temporary power and engineering solutions offshore.

Now the leading provider across Europe, we are capable of dealing with the many and varied challenges encountered on offshore wind projects globally; we bring together the expertise and experience of both our onshore and offshore teams of experienced marine professionals to assist us with the growing industry demand for efficient and reliable offshore solutions.

We provide all aspects of the temporary power requirement - generators, vessels and personnel – and that interface-free offering in combination with commercial acumen and a strong knowledge of project timelines, has seen the company deliver rapid growth since day one.

The headquarters of MRE and the recently acquired shipyard, Manor Marine are in Portland, Dorset with a 6000m² facility providing full engineering capability from design to fabrication.





Temporary Power

To coincide with projects programming 'temporary power' into their timescales Manor Renewable Energy offer a bespoke, all-encompassing solution. As projects move further offshore, temporary power will become vital and Manor Renewable Energy is well positioned to meet the growing needs of the sector.

Highly experienced management team, technicians and crew

With over 21 offshore temporary power projects undertaken since 2013, MRE has highly experienced personnel throughout the disciplines, both on and offshore. The knowledge and lessons learnt are cascaded into each and every project and high levels of safety are implemented from the project kick-off.

Generators designed to interface correctly with the transition piece and turbine

With space often at a premium on the transition piece platform, MRE has the provision to both design and fabricate customised solutions. As a general rule our solutions are of a modular set-up requiring one lift on (from the installation vessel) and several lifts off (utilising the TP crane); often the most cost-effective solution for the project.

Fuel tanks with as large as practical capacity

When calculating the fuel consumption we look at the distance offshore, time of year with associated weather conditions and availability of refuelling vessels; recent projects have shown that a minimum of 2000 litres provides a stable platform to ensure continual generator availability. To achieve that MRE often fabricate tanks in-house to allow the modular set-up with a minimised foot-print.

Aims to install onto transition piece whilst in the staging port to minimise offshore works

MRE has undertaken projects where the installation of the generator is undertaken whilst the Transition Piece is sited in the staging port; this allows full testing and commissioning prior to heading offshore, whilst also minimising any costly offshore lifts from the installation vessel.

State of the art refuelling vessels with onboard fuel capacity of over 40 tonnes

Whether it be our own vessels or similar, MRE provide only vessels that have sufficient onboard fuel capacity to allow multiple tanks to be refilled during a single offshore trip; in tandem with this capacity we provide onboard accommodation for all technicians to give sufficient endurance on far offshore windfarms.

Contemporary modular design for ease of decommissioning

Our 2000 and 3000 litre models break down into 3 and 5 individual components respectively; this then reduces the largest lift to under 1.5 tonnes and therefore into the capability of the Transition Piece crane; this crane combined with the 'stern to' capability of the Manor Venture and Manor Endurance allows for a cost-effective demobilisation.

Vessel Construction

Specialist craftsmanship in the construction and remedial works of multiple vessels.

In 2017 Manor Renewable Energy purchased Manor Marine shipyard; for over 30 years, Manor Marine has been supplying a high standard of services and specialist skills to deliver craftsmanship and excellence in the construction and remedial works of multiple vessels.

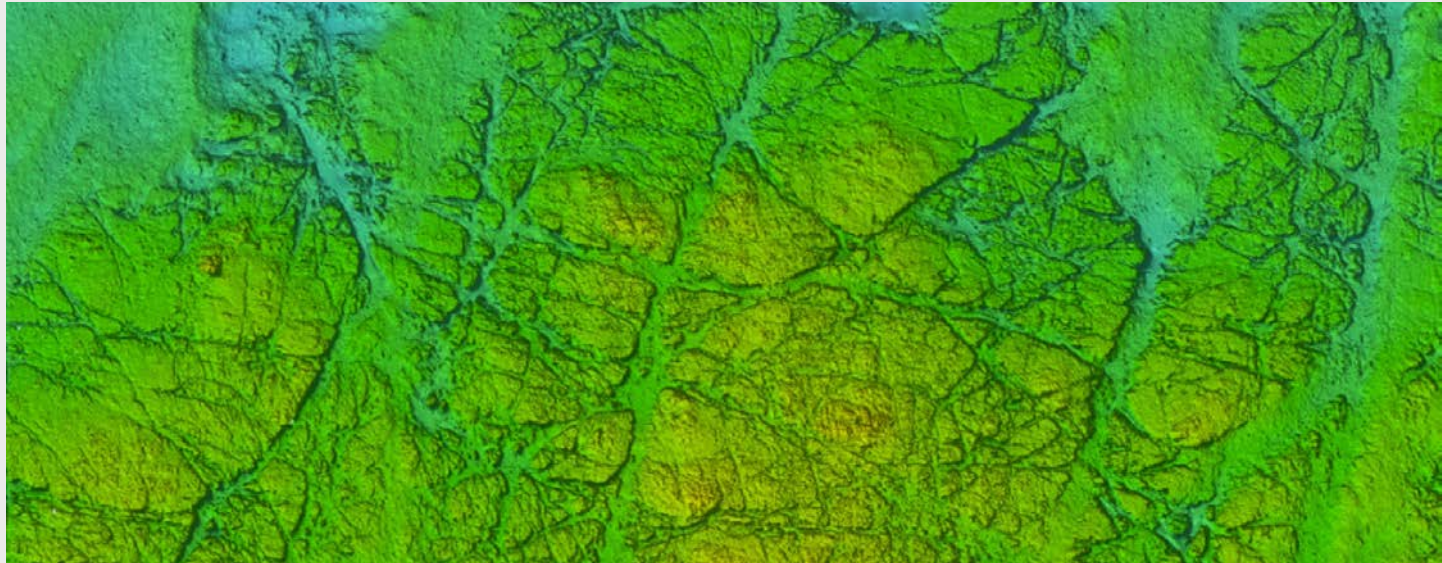
The main shed allows construction, servicing and maintenance of up to 40 metres in length; both steel and aluminium vessels.







The adjacent covered workshops house cranes, forklifts and portable welding, cutting and gauging equipment; the company is rapidly expanding as a cutting edge engineering services specialist and our highly skilled workforce and extensive world class facilities are used to support the offshore sector and primarily it's key renewables projects.

The shipyard is located in Portland, Dorset and the facilities and extensive quayspace make it an ideal choice for a multitude of vessels to utilise.

The main shed allows construction, servicing and maintenance of up to 40 metres in length.





- 
Marine Renewables
- 
Energy
- 
Civil Engineering
- 
Ports & Harbours
- 
Inland Waterways
- 
Marine Aggregates

Survey & Positioning

A complementary offering within MRE’s existing range of offshore services, providing a wide range of survey capabilities to the marine renewable energy, civils and coastal/offshore markets.

In response to the increasing demand in the offshore industry, our new survey department is well-equipped to offer a suite of services across a range of sectors.

Hydrographic Survey
Ultra high-resolution hydrographic survey data for a range of applications. MRE is able to mobilise our own vessels or vessels of opportunity to best suit the client and their specific requirements.

Construction Support
Provision of precise surface and subsea positioning services during installation and decommissioning of marine assets. Bespoke systems are designed to aid and inform marine operations, for example in energetic high flow environments.

Quality
MRE operate management systems which are certified by DNV GL to ISO 9001, ISO 14001 & ISO 45001 in addition to specialised IHO hydrographic standards. Quality is at the very core of the survey services we provide.

Vessel Fleet
With MRE’s fleet of offshore support vessels, we can quickly mobilise any vessel for a wide variety of survey activities. We also make regular use of third-party vessels of opportunity where specific project requirements may dictate alternative vessel characteristics.

SURVEY CAPABILITIES	
<input checked="" type="checkbox"/>	Construction Support
<input checked="" type="checkbox"/>	Hydrographic Survey
<input checked="" type="checkbox"/>	Asset Inspection (Subsea & Toppers)
<input checked="" type="checkbox"/>	Geophysical Survey
<input checked="" type="checkbox"/>	ROV & Diver Positioning
<input checked="" type="checkbox"/>	Precise Vessel/Platform Positioning
<input checked="" type="checkbox"/>	IRM Services
<input checked="" type="checkbox"/>	Data Management
<input checked="" type="checkbox"/>	Pipeline Condition Surveys & Burial Assessments
<input checked="" type="checkbox"/>	UXO Survey & Interpretation
<input checked="" type="checkbox"/>	pUXO Investigation Support
<input checked="" type="checkbox"/>	Real-time Cable Burial Monitoring
<input checked="" type="checkbox"/>	Scour Monitoring
<input checked="" type="checkbox"/>	Site Surveys (Hazard/Debris)
<input checked="" type="checkbox"/>	Route Engineering Support
<input checked="" type="checkbox"/>	Coastal Monitoring
<input checked="" type="checkbox"/>	LiDAR Mapping
<input checked="" type="checkbox"/>	Pipe & Cable Tracking

Vessel Provision

Operation of 'Manor Venture' and long-term charter vessels for Offshore Wind projects.

Manor Renewable Energy currently own and operate our fleet of vessels and sub charter vessels for both Offshore Wind Construction and Operation & Maintenance activities. We provide a complete turnkey service, independently with one interface for our clients.

With significant experience ranging from smaller workboat-coded craft through to dynamically positioned vessels, we have an unrivalled view of the overall offshore market. This overview of capability is combined with an awareness of availability and an appreciation for the type of vessel and capability required to undertake a given task.

The 'Manor Venture', constructed in 2017, set new standards in the operating parameters of CTVs and was designed specifically for those projects in deeper waters and further offshore; the overall fuel capacity of 40 tonnes and cabin space for 12 personnel formed the backbone of the vessel design.

As we continue to expand our vessel provision by both increasing chartering activities and committing to investment in new innovative designs; we believe this allows us to prepare in readiness for the larger construction activity of both UK Round 3 windfarms and beyond.

The remit from the design stage was to build a vessel that provided a flexible base to undertake a range of offshore works.

MICHAEL JAMES, Fleet Manager



APPLICATIONS



CREW TRANSFER

High-speed transfer of passengers to offshore wind farms



ROV WORKS

Supply of suitable platform for ROV operations



DRONE INSPECTIONS

Inspection of blades and turbines for O&M activities



REFUELLING

Rapid refuelling for generators situated on transition pieces



GUARD VESSELS

Provision of guard vessels for offshore operations



DIVING OPERATIONS

Support vessels for diving operations offshore



SURVEY OPS

Onboard survey ops with a dedicated survey suite



CARGO TRANSFER

Large cargo carrying capacity for transfer



SAFETY BOATS

Mobilisation of vessels for a range of safety boat services



TEMPORARY POWER

Transfer of temporary power solutions to offshore wind farms

Manor Venture

26-metre multi-purpose offshore support vessel



Manor Endurance

26-metre multi-purpose offshore support vessel



Manor Brunel

19-metre multi-purpose vessel



Manor Initiative/Enterprise

21-metre multi-purpose wind farm service vessels





Engineering Services

Our services, workshops and facilities allow us to give significant engineering support to larger scale projects.

We undertake projects ranging from electrical and mechanical engineering, welding and fabrication and through to installation project management.

MRE has a commitment to quality and it continues to be our objective to invest in technology and systems that can reduce our clients' risk profile.

We have a supply chain with agreements for stock call off from our suppliers and with specific engineering from development of drawings, we can reverse engineer solutions to improve current designs.

With warehousing, machinery, plant and personnel together on one site, we provide cost-effective engineering solutions for clients, both in the UK and internationally.

Our primary activities include:

- Provision of mechanical and electrical engineers, plant, tooling, machinery and lifting equipment.
- Provision of fabricators and welders onshore and offshore delivering secondary steelworks for the renewable industry.
- Support to Research and Development projects with design, review and manufacturing facilities.

Whether undertaking work in-house or on project sites internationally, MRE ensures that our safety standards and culture become an integral part of the project.

Remedial Works

We offer a wide range of remedial works through the construction phase and into the O&M period.

We offer a range of remedial works, including break out and fully controlled torque tightening, component replacement, inspections & cleaning through the construction phase and into the O&M period.

At Manor Renewable Energy we provide a total solution for all of your bolting requirements, utilising the latest technology to drive the highest standard of service. With an expanding workforce of multi-skilled technicians who have vast experience in the specialist operation of break out, and fully controlled torque tightening of turbine casings, turbine couplings and high powered steam inlets.

Our focus is on delivery and the levels of delivery and standards that, in time, sets you apart from the competition.

TOBY MEAD, Chief Operating Officer

Using our specially adapted tooling and bespoke solutions, we can carry out safe and efficient tightening operations on equipment with difficult access and non-standard configurations.

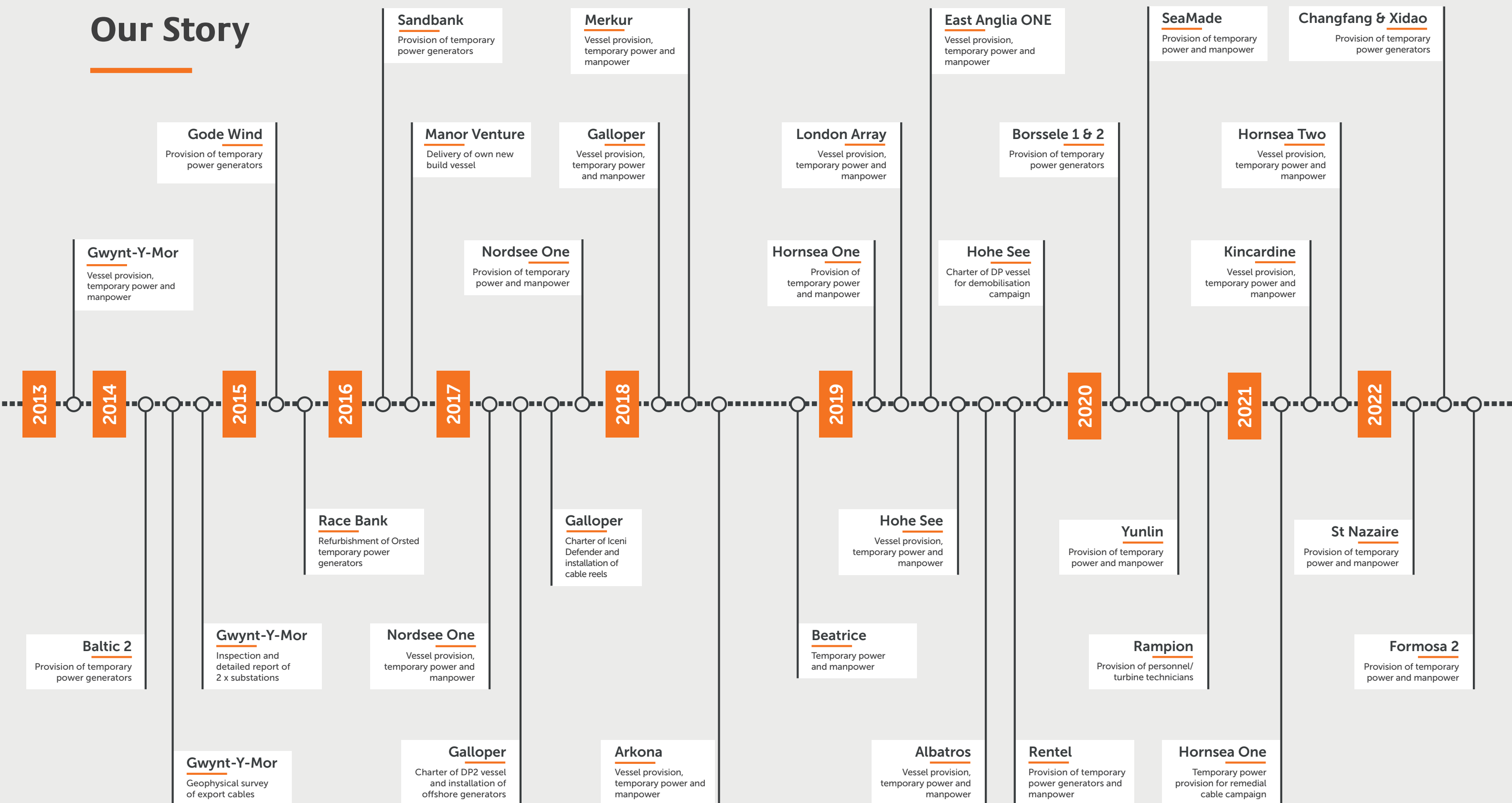
Manor Renewable Energy uses the safest, most advanced and versatile equipment in the industry which, when combined with our specialist integrity support provides an unparalleled service to our clients.

Other services include component replacement and inspections and cleaning from Construction and into the O&M periods.





Our Story



manor**renewable**energy

ABOUT MRE

Vessel provision, temporary power and engineering solutions for the offshore industry.

www.mreltd.co.uk

OFFICE LOCATIONS

Portland
Portsmouth
Hull
Glasgow
Taipei

CONTACT

T: 01305 861109

T: 02392 984819

E: info@mreltd.co.uk

