

anorrenewableenergy
www.mreltd.co.uk



Temporary Power Provision

BESPOKE, ALL-ENCOMPASSING TEMPORARY POWER SOLUTIONS



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



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 25 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 vessels of similar capability, 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 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.

Temporary Power Pods

Whether your requirement is for the construction phase or O&M downtime, MRE can supply various tried and tested temporary power solutions for the offshore wind sector.

Fuel Systems

Reliable and interchangeable fuel systems including filters, valves, accessories, instruments and complete refueling systems.

Communication Systems

Cellular & satellite communication systems for reading all generator parameters and monitoring fuel levels.

Modular Build

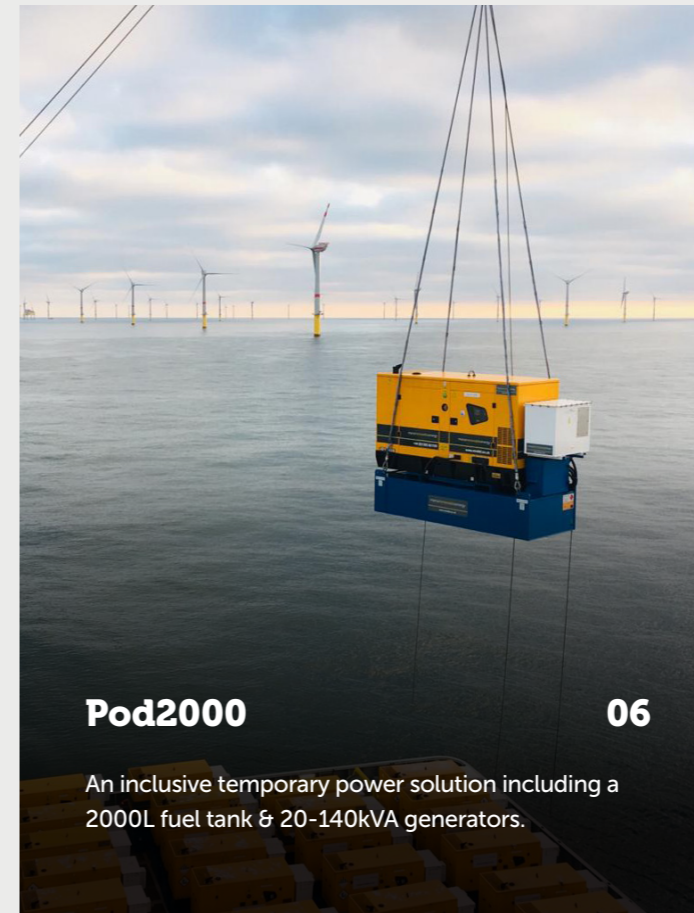
MRE designs bespoke modular generator sets to ensure ease of load out and decommissioning.

Experienced Technicians

A team of highly experienced generator technicians install, maintain and decommission all generator sets offshore.

GENERATOR PACKAGES

- ✓ Fully bunded generator & fuel tank
- ✓ 'High pressure hydraulic standard' fuel lines
- ✓ Cellular & satellite communication systems
- ✓ Automatic Stat-X fire suppression system
- ✓ Cabling as per specification
- ✓ Reliable & interchangeable fuel systems
- ✓ Stock of major components
- ✓ Guarantee of cover
- ✓ All planned maintenance consumables
- ✓ Configured to minimise offshore works
- ✓ Modular build
- ✓ Highly experienced team of technicians
- ✓ Refuelling of generators offshore
- ✓ Delivery onsite & installation offshore



Pod2000

06

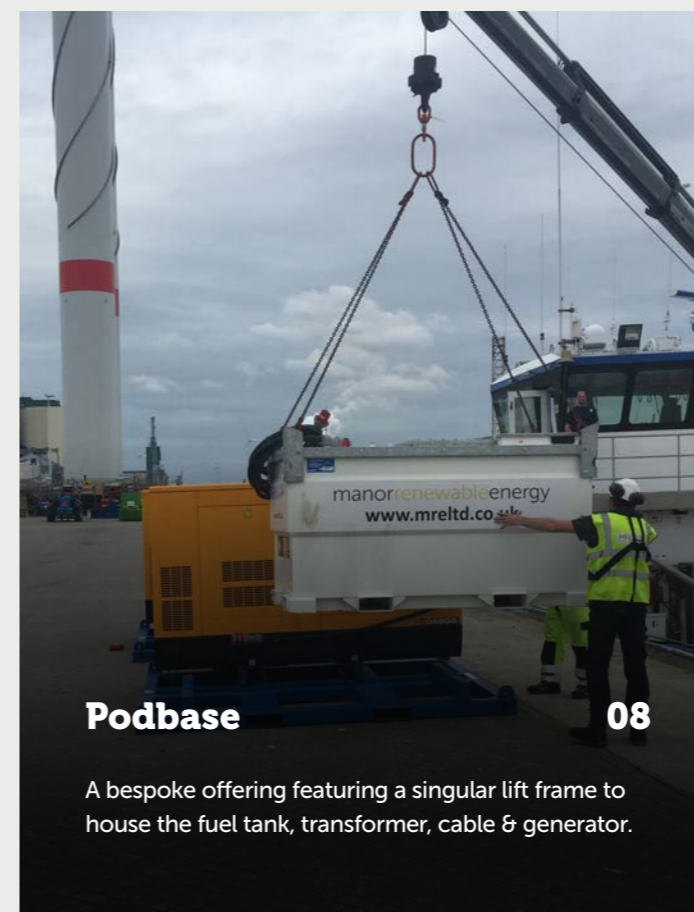
An inclusive temporary power solution including a 2000L fuel tank & 20-140kVA generators.



Pod3000

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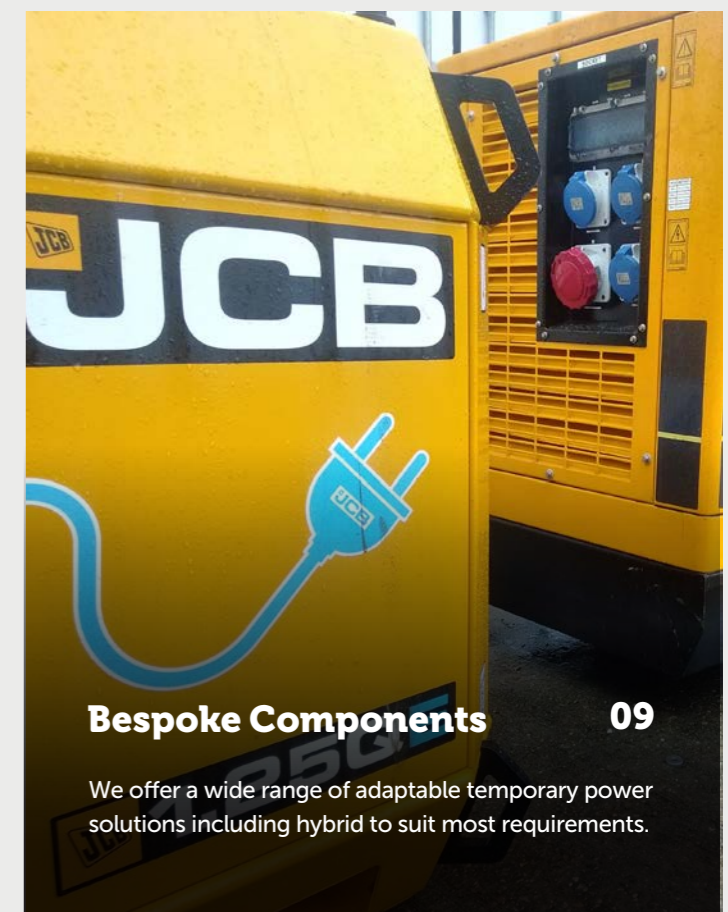
An inclusive temporary power solution including a 3000L fuel tank & 20-140kVA generators.



Podbase

08

A bespoke offering featuring a singular lift frame to house the fuel tank, transformer, cable & generator.



Bespoke Components

09

We offer a wide range of adaptable temporary power solutions including hybrid to suit most requirements.

Pod2000



PACKAGE SPECIFICATIONS

- 2000L fully bunded fuel tank
- Certified lifting points
- Certified forklift pockets
- Bund breach alarm
- Dry break non-spill fuel couplings
- Accomodates 20-140kVA generators
- Generator interfaced fuel level sender
- Integral transformer mounting bracket for 690 volt applications
- Remote monitoring (GSM/satellite) available
- Reduced equipment footprint of 3.8m²



Pod3000



PACKAGE SPECIFICATIONS

- 3000L fully bunded fuel tank
- Certified lifting points
- Certified forklift pockets
- Bund breach alarm
- Dry break non-spill fuel couplings
- Accomodates 20-140kVA generators
- Generator interfaced fuel level sender
- Integral transformer mounting bracket for 690 volt applications
- Remote monitoring (GSM/satellite) available
- Reduced equipment footprint of 6m²



Podbase



PACKAGE SPECIFICATIONS

- ✓ 2000L fully bunded fuel tank
- ✓ Certified lifting points
- ✓ Certified forklift pockets
- ✓ ISO couplings transportation & seafastening
- ✓ Components can be separated
- ✓ Accomodates 20-45kVA generators
- ✓ Generator interfaced fuel level sender
- ✓ Integral transformer mounting bracket for 690 volt applications
- ✓ Remote monitoring (GSM/satellite) available
- ✓ Reduced equipment footprint of 4m²
- ✓ Singular lift frame



Bespoke Components



PACKAGE SPECIFICATIONS

- ✓ 500-5000L+ fully bunded fuel tank
- ✓ Certified lifting points
- ✓ Certified forklift pockets
- ✓ Bund breach alarm
- ✓ Dry break non-spill fuel couplings
- ✓ Accomodates generators to your specification
- ✓ Generator interfaced fuel level sender
- ✓ 690volt transformers to suit your load needs & integrated lifting points
- ✓ Remote monitoring (GSM/satellite) available
- ✓ Separate components
- ✓ Hybrid generator/battery bank combinations



manor**renewable**energy

ABOUT MRE

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

www.mreltd.co.uk

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