



Market leader in offshore
wind turbine foundations



One third of all offshore foundations for wind turbines bear our signature, and as pioneers in the field we keep up with the development of new foundation structures and adapt new technologies

* Design and supply by MT Højgaard.
Installation by MT Højgaard and
Scira Offshore Energy Ltd.

Foundations for offshore wind turbines			
Project	Year	No. of foundations	Capacity
Anholt	2012	111	400 MW
Lincs	2011	75	270 MW
Sheringham Shoal *	2010	90	315 MW
Gunfleet Sands	2009	48	172 MW
Robin Rigg	2008	62	180 MW
Rhyl Flats	2008	25	90 MW
Lynn & Inner Dowsing	2007	54	194 MW
Burbo Banks	2006	25	90 MW
Kentish Flats	2004	30	90 MW
Horns Rev	2002	80	160 MW
Middelgrunden	2000	20	40 MW
Vindeby	1992	11	5 MW

The world's most experienced contractor in the field

MT Højgaard is your EPCI-contractor when it comes to foundations for the offshore wind industry. Additionally, we can install your substations, turbines and cables. And we offer consultancy services within the full range of disciplines of offshore wind farm construction.

Contracting

As a core business we provide offshore foundations on an EPCI (Engineering, Procurement, Construction and Installation) basis. Furthermore we offer installation of substations, turbines and cables as part of our marine work scope.

Consultancy services

We are proud to share our extensive know-how with you by providing consultancy services within the multi-disciplinary fields of offshore wind farm construction. We combine our solid experience with innovative thinking and put it into practice.

Pioneers in offshore foundations

MT Højgaard is the world's most experienced contractor when it comes to foundations for offshore wind turbines. In 1992 we supplied the foundations for the world's first offshore wind farm, and have been trendsetting in the industry ever since.

We constructed the gravity-based foundations for Middelgrunden Offshore Wind Farm in the waters outside Copenhagen in 2001, and the following year we introduced the monopile principle at the Horns Rev I project, the first large-scale wind farm outside sheltered waters.

Around one third of all offshore foundations for wind turbines bear our signature, and as pioneers in the field we keep up with the development of new foundation structures and adapt new technologies. At the same time we are constantly looking to improve the quality of what we deliver while lowering costs.

On solid ground

MT Højgaard is Denmark's leading contractor. We have 5,000 employees and an annual turnover of approximately EUR 1,200 million. Our company has traditions going back to the beginning of the last century and



experience from all over the world with structures of every kind – from tunnels and bridges, ports and roads to housing, offices, airports, leisure buildings, mining services and offshore foundations.



Just add water

You need a steadfast foundation to harness the power of the wind at sea. MT Højgaard delivers solutions for all parts of the process from idea to the final installation of foundations for the offshore wind industry.

We can add value to all phases of your project from the initial planning throughout the installation phase.

No two offshore projects are alike. Since the early near-shore projects in shallow water, today's projects are at greater water depths where the metocean data, the soil profiles and the size and number of the turbines differ from project to project.

That is why you need a competent contractor with experience from all aspects of the process; from handling the many subcontractors involved to minimising the risk emerging from large-scale logistics at sea.

Cost-effective engineering

The design of foundation structures for offshore wind turbines is very complex due to the iterative process between the foundation designer and the turbine designer. Our experience allows us to make the right design for your project at the lowest cost attainable.

We always ensure that the design of the permanent structures fulfils your requirements as well as the requirements of the authorities, the certifying agency, the installation method and the cable and turbine installers.

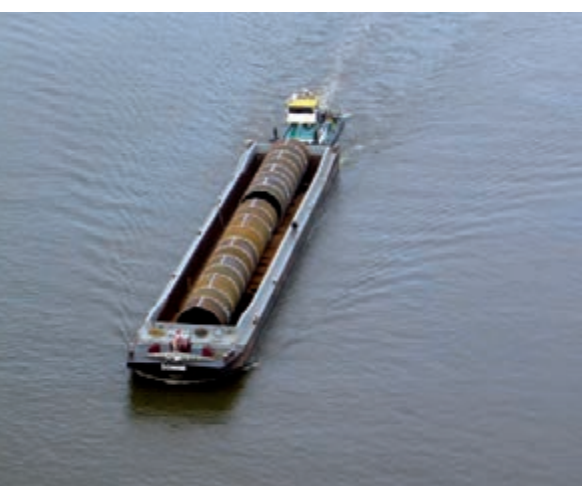
To keep project costs to a minimum we use our experience to design a

number of standardised solutions that can be customised to suit the site specific requirements.

Procurement and construction

Through our many years within the offshore foundation business we have established close working relationships with the leading suppliers in the field. This helps us ensuring the delivery of quality products on time.

Throughout the process of procurement and construction of the foundation structures we are present at the fabrication yard to supervise and quality assure the fabrication.



Installation

We choose the most economically advantageous solutions and compose the optimal spread of vessels and equipment from the market to suit your project.

We have invented many of the work processes commonly applied in the industry today. We continue to constantly improve and develop the equipment and tools required for a successful installation process.

We carry out the installation in close cooperation with you and the relevant subcontractors to optimise logistics and installation.

Changeable weather conditions and logistic challenges often influence the working methods or the time schedule, and we always approach the task with a shared solution-oriented attitude to handle this.

Our experience, competence, and professional day-to-day follow-up enable us to adapt to any challenge.

Consultancy services

We provide consultancy services on all parts of the process. Our solid hands-on experience combined with innovative thinking enable us to add value to your project.

Consultancy services are offered within planning, design, engineering, procurement, construction, installation, logistics, quality assurance and health & safety.

The safe choice

We strive to be among the best in the industry by continuously monitoring and evaluating all activities throughout the project to promote constant improvement of quality and safety.

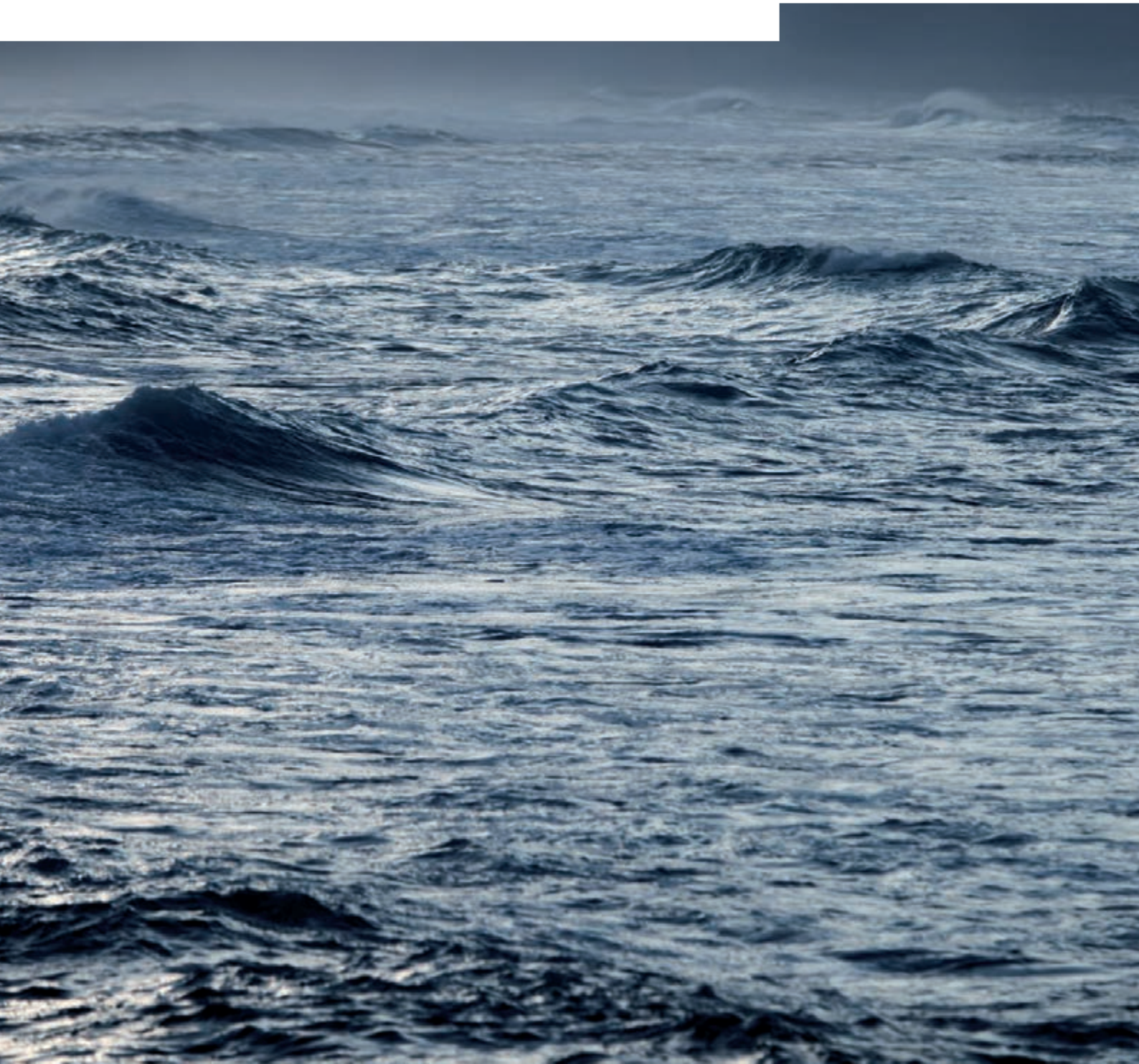
Through full commitment to our policies on quality, health & safety and environment we ensure that your expectations are met.

Meeting future needs

Foundations for offshore wind farms are a core business for MT Højgaard.

As future wind farms locations move further offshore, new challenges will arise: greater variations in water depth, larger wind/wave forces, more demanding seabed conditions and bigger wind turbines.

We provide the engineering resourcefulness and innovative thinking needed to create offshore wind farms in demanding environments. Such installations are a vital part of a sustainable future and MT Højgaard is determined to be among the leaders in making it happen.



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