Acteon

Integrated marine foundations for renewables track record

We lay the groundwork for offshore success.

acteon.com

We act on our customers' challenges

Acteon delivers tailored marine foundation solutions to fast-track progress and reduce installation risk across fixed and floating energy sectors. From design and drivability studies to pile supply and installation, we combine specialist equipment, digital insight and offshore experience to unlock reliable outcomes. With a focus on reducing cost, improving safety and enabling scalability, our foundation systems provide project certainty from beginning to end.

2,500+

Foundations installed for fixed wind projects

2,120 m

World record deep water foundation installations

100 m^3/h+

Highest grout output on the market

Piledriving

Europe

Year	Client	Location	Work summary
2025	Le Treport Offshore Substation	France	MHU 1200S, follower, jacket – 2.13 m outer diameter (OD)
2025	Hollandse Kust West Offshore Wind Farm	Netherlands	MHU 3500S, monopile – 7.5 m OD
2025	East Anglia 3 Offshore Substation	UK	MHU 3500S, jacket – 2.44 m OD
2025	Doggerbank C Offshore Wind Farm	UK	MHU 4400S, adaptation, monopile – 8.0 m OD
2025	Borwin 5 Offshore Substation	Germany	MHU 1900S, back-up, follower
2024	Le Treport Offshore Wind Farm	France	MHU 1900S, follower, jacket pin piles – 2.5 m OD
2024	Doggerbank B Offshore Wind Farm	UK	MHU 4400S, monopile – 8.0 m OD
2023	Moray West Offshore Wind Farm	UK	MHU 4400S, monopile – 7.5 m OD
2023	Doggerbank A Offshore Wind Farm	UK	MHU 4400S, adaptation, monopile – 8.0 m OD
2022	Doggerbank A Offshore Wind Farm	UK	MHU 4400S, monopile – 8.0 m OD
2021	Taranto Offshore Wind Farm	Italy	MHU 800S, follower, monopile
2021	Hollandse Kust Zuid Offshore Wind Farm	Netherlands	MHU 3500S, monopile – 7.5 m OD
2020	Borssele III and IV Offshore Wind Farm	Netherlands	MHU 3500S, monopile – 6.5 m OD
2020	Borssele V Offshore Wind Farm	Netherlands	MHU 3500S, monopile – 6.5 m OD
2020	Kriegers Flak Offshore Wind Farm	Denmark	MHU 3500S, monopile – 6.0 m OD
2019	Moray East Offshore Wind Farm	UK	2× MHU 1900S, jacket – 2.4 m OD
2018	East Anglia One Offshore Wind Farm	UK	2× MHU 1900S, jacket – 2.2 m OD
2018	Norther Offshore Wind Farm	Belgium	MHU 3500S, monopile – 6.2 m OD
2017	Walney Extension Offshore Wind Farm	UK	2× MHU 3500S, monopile – 5.7 m OD
2016	Burbo Bank Extension Offshore Wind Farm	UK	MHU 3500S, monopile – 6.3 m OD
2016	Rampion Offshore Wind Farm	UK	MHU 3500S, monopile – 5.0 m OD
2016	Wikinger Offshore Wind Farm	Germany	2× MHU 1200S, jacket – 2.2 m OD
2015	Sandbank Offshore Wind Farm	Germany	MHU 3500S, monopile – 5.5 m OD
2014	Amrumbank West Offshore Wind Farm	Germany	MHU 1900S, monopile – 5.9 m OD
2014	Wikinger (test piling)	Germany	MHU 800S/MHU 550S, jacket – 1.3 m OD
2013	Hewin Offshore Substation	Germany	MHU 1200S, transformer platform – 3.2 m OD
2013	Humber Gateway Offshore Wind Farm	UK	MHU 1900S, monopile – 4.7 m OD
2012	Bard I Offshore Wind Farm	Germany	MHU 1200S/MHU 1900S, tripile – 3.3 m OD
2012	Blyth Offshore Wind Farm	UK	MHU 550S, jacket – 1.4 m OD
2012	Global Tech 1 Offshore Wind Farm	Germany	MHU 1200S/MHU 800S, tripod – 2.2 m OD

Year	Client	Location	Work summary
2011	Hornsea (Met mast)	UK	MHU 300S, twisted jacket – 1.4 m OD
2011	Lincs Offshore Wind Farm	UK	MHU 1900S, monopile – 4.7 m OD
2009	Alpha Ventus Offshore Wind Farm	Germany	MHU 550S, jacket/tripod – 1.7/2.2 m OD
2009	Bard I Offshore Wind Farm	Germany	MHU 1200S, tripile – 3.3 m OD
2008	Fino3 Research Platform	Germany	MHU 800S, monopile – 2.9 m OD
2008	Gunfleet Sands Offshore Wind Farm	UK	MHU 800S, monopile – 4.7 m OD
2008	Rhyl Flats Offshore Wind Farm	UK	MHU 800S, monopile – 5.0 m OD
2007	Lynn and Inner Dowsing Offshore Wind Farm	UK	MHU 1900S, monopile – 4.5 m OD
2007	Princess Amalia Offshore Wind Farm	Netherlands	MHU 800S, monopile – 4.0 m OD
2006	Burbo Bank Offshore Wind Farm	UK	MHU 800S, monopile – 4.7 m OD
2005	Greater Gabbard (Met mast)	UK	MHU 550S, monopile – 2.1 m OD
2004	Amrumbank West (Met mast)	Germany	MHU 800S, monopile – 5.2 m OD
2004	North Hoyle Offshore Wind Farm	UK	MHU 600B, monopile – 3.9 m OD
2002	Samsø Offshore Wind Farm	Denmark	MHU 600B, monopile – 4.5 m OD
2000	Utgrunden Offshore Wind Farm	Sweden	MHU 550S, monopile – 2.1 m OD

Asia Pacific

Year	Project name	Location	Work summary
2023	Zhong Neng Offshore Wind Farm	Taiwan	MHU 1200S, MHU 1900S, follower, jackets – 3.5 m OD
2023	Yunlin Offshore Wind Farm – 2nd vessel	Taiwan	MHU 3500S, monopile – 6.5 m OD
2023	Yunlin Offshore Wind Farm	Taiwan	MHU 3500S, monopile – 6.5 m OD
2022	Greater Changhua 2a Offshore Wind Farm	Taiwan	2x MHU 4400S (custom 153.5 in.), follower, jacket pin piles – 3.9 m OD
2022	Greater Changhua 1 Offshore Wind Farm	Taiwan	2x MHU 4400S (custom 153.5 in.), follower, jacket pin piles – 3.9 m OD
2021	Greater Changhua 1 Offshore Wind Farm	Taiwan	2x MHU 4400S (custom 153.5 in.), follower, jacket pin piles – 3.9 m OD
2021	Greater Changhua 2a Offshore Wind Farm	Taiwan	2x MHU 4400S (custom 153.5 in.), follower, jacket pin piles – 3.9 m OD
2021	Changfang and Xidao Offshore Wind Farm	Taiwan	MHU 1200S, MHU 1900S, follower, jacket pin piles – 3.5 m OD

North America

Year	Project name	Location	Work summary
2025	Sunrise Offshore Wind Farm	US	MHU 4400S adaptation, monopile – 8.0 m OD
2025	Revolution Offshore Wind Farm	US	MHU 4400S, monopile – 7.5 m OD
2024	Revolution Offshore Wind Farm	US	MHU 4400S, monopile – 7.5 m OD
2023	South Fork Offshore Wind Farm	US	MHU 4400S, monopile – 7.5 m OD
2015	Block Island Wind Farm	US	MHU 800S, jacket – 1.4 OD

Grouting

Europe

Year	Client	Location	Work summary
2024	Noirmoutier Offshore Wind Farm	France	Equipment designed and built for the XL monopiles project: • Provision of rock socket • Monopile-transition piece (MP-TP) grouting services
2023	Saint-Nazaire Offshore Wind Farm	France	Equipment designed and built for the XL monopiles project: • Provision of rock socket • MP-TP grouting services
2022	Anonymous	Europe and Africa	• Design and supply of bespoke fabric formwork • Grouting services to provide support for an OSS cable with a damaged cable protection system
2022	DolWin6 Offshore Substation	Germany	Provision of grouting services
2022	DolWin6 Offshore Substation	Germany	• Grouting • Facilitation of grid connection between several offshore wind parks
2022	Hinkley Point	UK	Grouting services
2022	Kaskasi II Offshore Wind Farm	Germany	Provision of grouting services for installation of three monopile collars
2022	Moray East Substation	UK	Grouting services – cable support adjacent to the substation
2021	Saint-Nazaire Offshore Wind Farm	France	• Subsoil grouting for monopiles • Grouting transition piece into drilled sockets
2021	Saint-Nazaire Offshore Substation	France	Grouting for jacket
2020	SeaMade Offshore Wind Farm	Belgium	Wind farm monopile transition-piece-skirt grouting using non-shrink grout
2019	Borssele B (substation)	Netherlands	Grouting of skirt piles using ordinary Portland cement (OPC) grout
2019	Borssele B (substation)	Netherlands	Grouting for jacket
2019	Deutsche Bucht Offshore Wind Farm	Germany	Monopile transition-piece-skirt grouting using non-shrink grout
2019	Deutsche Bucht Offshore Wind Farm	Germany	Grouting for monopile
2018	Aberdeen Offshore Wind Farm	UK	Grouting for suction bucket jacket
2018	Borssele A and B (substation)	Netherlands	Grouting of skirt piles on wind farm substations using OPC grout
2018	East Anglia 1 (substation)	UK	Grouting of skirt piles for the offshore substation platform using OPC grout
2016	Rampion Offshore Wind Farm	UK	Grouting of 116x wind farm monopile transition-piece skirts using OPC grout
2016	Rampion Offshore Substation	UK	Grouting for jacket
2016	Sandbank Offshore Substation	Germany	Grouting of skirt piles for an offshore substation platform using high-strength grout

Asia Pacific

Year	Client	Location	Work summary
2021	Changfang and Xidao Offshore Wind Farms	Taiwan	Grouting for jacket
2021	Changfang and Xidao Offshore Wind Farms	Taiwan	• ROV-operated grouting connectors for jackets • Provision of jacket grouting services for pre-piled foundations

Drilling

Europe

Year	Client	Location	Work summary
2024	Noirmoutier Offshore Substation	France	• LD2500 drill rig • Downhole kit (120 m drill string, Ø2580-2880 mm drill bit complete with URs set at Ø2880 mm) • Personnel A total of 4x sockets at 2,880 mm in diameter at depths of 16.5 m below mudline (maximum)
2023	Baltic Eagle Offshore Substation	Germany	Relief drilling services for foundation piles: • LD2500 drill
2021	Seagreen Offshore Wind Farm	UK	Relief drilling services to support the installation of skirt piles: • LD2500 drill
2018	East Anglia 1 Offshore Substation	UK	Provision of drilling equipment for pile relief
2016	Burbo Bank Offshore Wind Farm	UK	Monopile relief drilling for the installation of 7.1 m diameter monopiles: • LD5000 drill
2014	Gwynt y Môr Offshore Wind Farm	UK	Design, build and relief drilling of monopile foundations: • LD5000 with drill bit at 6 m diameter

Asia Pacific

Year	Client	Location	Work summary
2021	Formosa 2 Offshore Wind Farm	Taiwan	LD818 drilling equipment spread • Personnel enabled pile relief drilling
2019	Pinghaiwang Offshore Wind Farm	Taiwan	Installation of 7.9 m diameter OWF monopile foundations: • LD5000 drilling rig • Downhole equipment

Templates

Europe

Year	Client	Location	Work summary
2018	Moray East Offshore Wind Farm	UK	Design of piling template for jacket
2015	Wikinger Offshore Wind Farm	Germany	Design and operation of piling template for jacket

Asia Pacific

Year	Project name	Location	Work summary
2021	Greater Changhua Offshore Wind Farm	Taiwan	Design of piling template for jacket

Engineering Design and Analysis

Europe and Africa

Year	Client	Location	Work summary
Continuous	Various	Europe and Africa	Drilling and driving feasibility assessments for monopiles and jackets
2025	West of Orkney Offshore Wind Farm	UK	Drilling front-end engineering design study (FEED): Reviewing potential drilling solutions for the installation of both XXL Monopiles vs large quantities of jacket pin piles
2024	Outer Dowsing Offshore Wind Farm	UK	Drilling FEED study: Reviewing potential drilling solutions for the installation of both XXL Monopiles vs large quantities of jacket pin piles
2023	Awel y Môr Offshore Wind Farm	UK	Drilling FEED study: Drilling/feasibility report outlining drilling methodologies and identifying the best methods for the installation of 6.5-8.5 m diameter monopiles
2018	Moray East Offshore Wind Farm	UK	Structural design and analysis of the pre-piling template
2016	Wikinger Offshore Wind Farm	Germany	Design, fabrication, installation and testing of a 'bubble-curtain' noise mitigation system for monopile installations
2014	Gwynt y Môr Offshore Wind Farm	UK	Design, build, and operation of bespoke drilling equipment for relief drilling of monopile foundations

Asia Pacific

Year	Client	Location	Work summary
Continuous	Various	Asia Pacific	Drilling and driving feasibility assessments for monopiles and jackets
2020	Greater Changhua Offshore Wind Farm	Taiwan	Design the pre-piling template (PPT) including control systems to enable the installation of 333x 3.7 m diameter jacket pin piles within installation tolerances of +/-0.5 degrees pile verticality and +/-0.5 degrees on frame level
2020	Anonymous	Japan	Wind turbine and substation foundation concept review considering in-place, installation and operational design drivers
2021	Tanjong Baram field	Malaysia	Submarine cable analysis

North America

Year	Client	Location	Work summary
Continuous	Various	Americas	Drilling and driving feasibility assessments for monopiles and jackets
2023	Floating Offshore Wind Farm in Hawaii	US	Conducted a drilling feasibility study for a floating wind farm where ground conditions are extremely challenging, and water depths range from 400-900 m

Lifting and handling

Asia Pacific

Year	Client	Location	Work summary
2023	Yunlin Offshore Wind Farm	Taiwan	Two 250 tonne hydraulic release shackles

We act across the project lifecycle

Acteon business lines

Intermoor — Moorings and Anchors

Menck — Marine Foundations

UTEC — Geo-services

Solutions

	Site investigation and characterisation	Offshore construction	Asset integrity management	Life extension and decommissioning
	Geophysical and geotechnical surveys Geospatial surveys	Positioning and construction support Integrated marine foundation installation services Mooring solutions	Offshore inspection Monitoring and digital solutions Mooring inspection, maintenance, repair and replacement	Decommissioning engineering Removal and disposal services Asset life extension
Why Acteon	• Comprehensive data collection • Well-organised data orchestration • Insightful interpretation • Enhanced asset value	• Robust experience in the most challenging environments • Advanced equipment • Intelligent approach	• Extensive data-gathering • Insightful analysis • Highly efficient maintenance, repair and replacement	• Tailored decommissioning and life extension plans early in the project lifecycle • Efficient offshore execution
What we deliver	• Mitigating risks • Optimising design, construction and maintenance	• Ensuring safety • Reducing total cost of installation • Accelerating schedule	• Ensuring compliance • Realising maximum asset lifetime value • Reducing total cost of operations	• Maximising asset value • Limiting decommissioning costs • Minimising environmental risks

2H Underpinned by agile engineering consultancy that enhances project-critical decisions, optimises economic viability and minimises risk throughout the energy project lifecycle.

Acteon

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