

RENEWABLES OFFSHORE WIND TRACK RECORD



LET'S BUILD

The offshore wind market is a competitive market that is changing rapidly. Our aim is to support you with innovative equipment that provides increased efficiency and safety on your installation projects. At the early stage of your projects, we are working closely together to maximise installation windows, mitigate risk and guarantee a positive result. IHC IQIP has an extensive portfolio of pile handling, installation equipment and noise mitigation solutions to meet your installation challenges head on.

EUROPE



YEAR	PROJECT NAME	USED EQUIPMENT	TOP PILE Ø (M)	CONTRACTOR	APPLICATION	COUNTRY
2021	St. Nazaire	Hydrohammer S-4000 / Upending Tool 1,000t	5.6	DEME	Monopile	FR
2020	Hornsea 2	Hydrohammer S-4000 / MaXine	6.5	DEME	Monopile	UK
2020	Fryslân	Hydrohammer S-1400	4.5	Van Oord Offshore Wind	Monopile	NL
2020	Triton Knoll	Hydrohammer S-3000 / Advisory Services	6.5	Seaway 7	Monopile	UK
2020	Borssele 1+2	Hydrohammer S-4000	6.5	DEME	Monopile	NL
2019	Northwester 2	Hydrohammer S-3000 / FPUT 1,200t / TPLT / Combi Lifting Spread	6.5	Jan De Nul	Monopile	BE
2019	Seamade	Hydrohammer S-4000 / Advisory Services	6.3	DEME	Monopile	BE
2019	Own fleet	Hydraulic Release Shackle 400t	-	Scaldis	Jacket	BE
2018	Beatrice	ILT 60"x96" 84" mode	84"	Seaway 7	TP Lifting	BE
2018	Deutsche Bucht	Hydrohammer S-4000	6.5	Van Oord Offshore Wind	Monopile	DE
2018	Borkum West 2	Hydrohammer S-3000	6.0	Seaway 7	Monopile	DE
2018	Borkum Riffgrund 2	Hydrohammer S-3000 / Integrated Monopile Installer / Combi Lifting Spread	6.5	Jan De Nul	Monopile	DE
2018	Hornsea 1	Hydrohammer S-4000 / MaXine 1,100t / FPUT 1,600t	6.0	DEME	Monopile	UK
2018	Albatros	Hydrohammer S-3000 / Integrated Monopile Installer / NMS Socket / Lifting Connector	6.0	DEME	Monopile	DE
2018	Hohe See	Hydrohammer S-3000 / Integrated Monopile Installer / NMS Socket / Lifting Connector	6.0	DEME	Monopile	DE
2018	Hornsea 1 OSS	Levelling Tool 800t	2.4	Saipem	OSS Jacket	UK

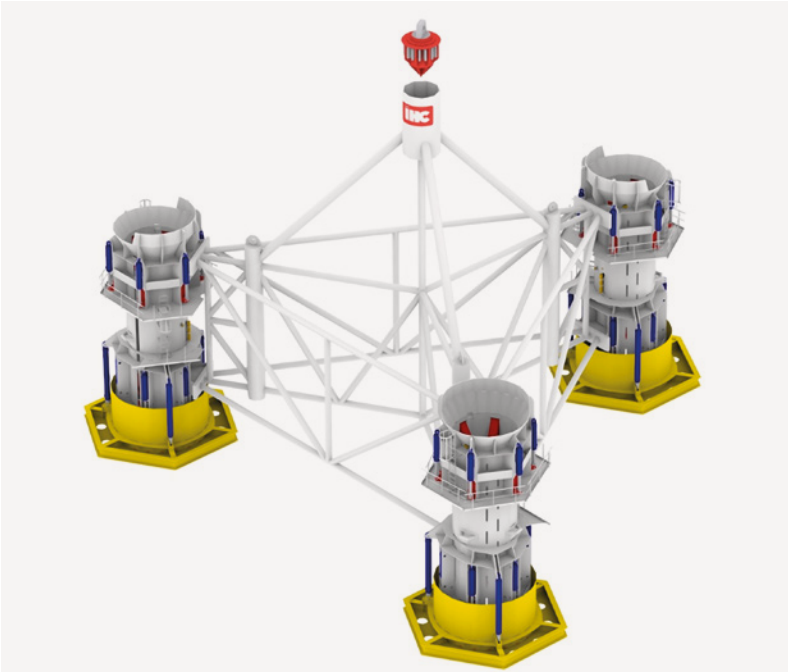
YEAR	PROJECT NAME	USED EQUIPMENT	TOP PILE Ø (M)	CONTRACTOR	APPLICATION	COUNTRY
2018	Borkum Riffgrund 2	Flange Jacket Lifting Tool	6.5	DEME	Jacket	DE
2017	Hohe See OSS	Jacket Pile Grippers	2.1	Iemants	OSS	DE
2017	Arkona Becken OSS	Sleeve 120" / ILT 60"x96" 120" mode	3.0	Seaway 7	Jacket	DE
2017	Merkur OSS	Jacket Pile Grippers	2.4	Iemants	Jacket	DE
2017	Beatrice OSS	Jacket Pile Grippers	2.2	Siemens	Jacket	UK
2017	Nissum Bredning	Hydrohammer S-1400 / Hydrohammer S-280 / ILT 42"x60"	1.4	Per Aarsleff	Jacket	DK
2016	Galloper Wind Farm	Hydrohammer S-4000 / Flange Pile Upending Tool 1,600t	6.3	DEME	Monopile	UK
2016	Rampion OSS	Hydrohammer S-1400 / ILT 60"x96"	2.2	Volker Staal en Funderingen	OSS Jacket	UK
2016	Rampion OSS	Levelling Tool 800t	2.2	Scaldis	OSS Jacket	UK
2016	Race Bank	Hydrohammer S-3000 / Driveability analyses	5.7	DEME	Monopile	UK
2016	Nobelwind	Hydrohammer S-1400 / Flange Pile Upending Tool 1,600t / TPLT 400t	4.5	Jan De Nul	Monopile	BE
2016	DolWin 3 OSS	Jacket Pile Grippers	2.5	Nordic yards	OSS Jacket	DE
2016	DolWin 3 OSS	Levelling Tool 3,000t	2.5	Heerema	OSS Jacket	DE
2016	Nordergründe	Hydrohammer S-1800 / FPUT 750t / Driveability analyses / HiLo piling method	5.5	Bilfinger Construction	Monopile	DE
2016	Dudgeon	Hydrohammer S-3000 / Upending Tool 1,400t	5.7	Seaway 7	Monopile	UK
2016	Wikinger	Upending Tool 700t / ILT 60"x96"	3.7	VBMS	Jacket	DE
2016	Dan Tysk OSS	Levelling Tool 400t / Jacket Lifting Tool 646t	-	Seaway 7	OSS Jacket	DE

EUROPE



1,000T UPENDING TOOL LIFTING MONOPILE FOR GODE WIND

YEAR	PROJECT NAME	USED EQUIPMENT	TOP PILE Ø (M)	CONTRACTOR	APPLICATION	COUNTRY
2016	Nordsee One OSS	Hydrohammer S-1400 / ILT 60"x96"	2.4	Volker Staal en Funderingen	OSS Jacket	DE
2016	Nordsee One OSS	Levelling Tool 800t	2.4	Scaldis	OSS Jacket	DE
2016	Hywind Scotland Pilot Park	Tooling design and method for flange connection	N/A	Saipem	Floating	UK
2016	Walney 3 and 4 Extension OSS	Jacket Pile Grippers	2.1	Iemants	OSS Jacket	UK
2016	Race Bank 01 OSS	Jacket Pile Grippers	2.4	Iemants	OSS Jacket	UK
2016	Burbo Bank OSS	Jacket Pile Grippers	1.8	Iemants	OSS Jacket	UK
2016	Veja Mate	Hydrohammer S-4000 / MP Flange design / HiLo piling method	6.5	Offshore WindForce	Monopile	DE
2016	Veja Mate OSS	Jacket Pile Grippers	2.4	Iemants	Monopile	DE
2016	Rampion	Hydrohammer S-2500 / HiLo piling method	5.0	E.On	Monopile	UK
2016	Gemini OSS	Levelling Tool 800t	2.4	Scaldis	OSS Jacket	NL
2015	Gode Wind 1 and 2 OSS	Jacket Pile Grippers	2.4	Iemants	OSS Jacket	DE
2015	Gode Wind 1 and 2	Hydrohammer S-2000 / Upending Tool 1,000t / TPLT 600t / Integrated Mono-pile Installer / HiLo piling method	5.7	DEME	Monopile	DE
2015	Nordsee One	Hydrohammer S-4000 / Flange Pile Upending Tool 1,200t / TPLT 600t / MP Flange Design / HiLo piling method / Integrated Monopile Installer	5.5	DEME	Monopile	DE
2015	Gemini OSS	Hydrohammer S-1400 / ILT 60"x96"	2.4	Volker Staal en Funderingen	OSS Jacket	NL
2015	Gemini	Hydrohammer S-2000	5.5	Van Oord Offshore Wind	Monopile	NL
2015	Westermeerwind	Hydrohammer S-800	5.0	Ballast Nedam Offshore	Monopile	NL
2015	Race Bank 02 OSS	Jacket Pile Grippers	2.1	Iemants	OSS Jacket	UK
2015	The Wash Tidal Gauge	Hydrohammer S-500	2.0	Volker Staal en Funderingen	Met Mast	UK
2014	Amrumbank West OSS	Hydrohammer S-1200 / ILT 60"x96"	2.4	Volker Staal en Funderingen	OSS Jacket	DE
2014	Amrumbank West OSS	Levelling Tool 800t	2.4	Scaldis	OSS Jacket	DE
2014	Borkum Riffgrund 1	Hydrohammer S-2000 / Guiding Tool / Upending Tool 1,000t / HiLo piling	4.8	DEME	Monopile	DE
2014	Butendiek	Hydrohammer S-2000 / ILT 60"x96" / HiLo piling method / Integrated Mono-pile Installer	5.2	Ballast Nedam Offshore	Monopile	DE
2014	Butendiek OSS	Hydrohammer S-1200 / ILT 60"x96"	2.4	Volker Staal en Funderingen	OSS Jacket	DE
2014	Butendiek OSS	Levelling Tool 800t	2.4	Scaldis	OSS Jacket	DE
2014	EnBW Baltic 2 OSS	Hydrohammer S-1800	5.0	Volker Staal en Funderingen	OSS Jacket	DE
2014	EnBW Baltic 2 OSS	Levelling Tool 800t	5.5	Scaldis	OSS Jacket	DE
2014	Sylwin	Hydrohammer S-1200	2.5	Seaway 7	Jacket	DE
2014	Taggen Met Mast	Hydrohammer S-200	1.8	Per Aarsleff	Met Mast	SE
2014	Eneco Luchterduinen	Hydrohammer S-1400	4.5	Van Oord Offshore Wind	Monopile	NL
2014	Kentish Flats Extension	Hydrohammer S-1200 / FPUT 750t	4.5	DEME	Monopile	UK
2013	Northwind	Hydrohammer S-1400 / Upending Tool 700t	4.2	DEME	Monopile	BE
2013	Northwind OSS	Upending Tool 700t / Hydraulic Release Shackle	-	DEME	OSS Jacket	BE



TEMPLATE INCLINATION STICK-UP FOR PILE POSITIONING AND PRE-PILING FOR JACKETS



LIFTING CONNECTOR: PART OF COMBI LIFTING SPREAD

YEAR	PROJECT NAME	USED EQUIPMENT	TOP PILE Ø (M)	CONTRACTOR	APPLICATION	COUNTRY
2013	Amrumbank West	Hydrohammer S-2000 / FPUT 750t / ILT 60"-96" / HiLo piling method / Inte-grated Monopile Installer	5.2	Ballast Nedam Offshore	Monopile	DE
2013	Borkum Riffgrund 1 OSS	Hydrohammer S-800 / ILT 60"x96" / Leveling Tool 1,200t	2.1	Volker Staal en Funderingen	OSS Jacket	DE
2013	Borwin	Hydrohammer S-1200	2.5	Seaway 7	Jacket	DE
2013	DanTysk	Hydrohammer S-2000	6.0	ABjV DanTysk	Monopile	DE
2013	EnBW Baltic 2	Hydrohammer S-1200	3.0	ArGe Baltic 2 Foundations	Jacket	DE
2013	EnBW Baltic 2	Hydrohammer S-2000	4.6	Ballast Nedam Offshore	Monopile	DE
2013	Global Tech I	Hydrohammer S-1400 / Upending Frame 600t / Leveling Tool 800t	3.0	HGO InfraSea Solutions	Tripod	DE
2013	Global Tech I OSS	Upending Frame 600t	3.0	Hochtief Solutions	OSS Jacket	DE
2013	HelWin & BorWin	Jacket Pile Grippers	3.2	SeaReenergy Offshore Projects	OSS Jacket	DE
2013	HelWin & BorWin	Upending Tool 450t	3.2	Seaway 7	OSS Jacket	DE
2013	SylWin Alpha OSS	Hydrohammer S-1200 / Upending Frame 600t	2.5	Seaway 7	Jacket	DE
2013	East Anglia Metmast	Hydrohammer S-1200	3.2	Seaway 7	Monopile	UK
2013	Gwynt y Môr	Hydrohammer S-1800 / Upending Tool 630t	4.6	Seaway 7	Monopile	UK
2013	Gwynt y Môr OSS	Upending Tool 700t		Seaway 7	OSS Jacket	UK
2013	Humber Gateway	Flange Pile Upending Tool 750t	4.5	MPI Offshore	Monopile	UK
2013	West of Duddon Sands	Hydrohammer S-2000 / S-1400 / Upending Tool 516t / ILT 60"x96" / TPLT 375t	5.6	Volker Staal en Funderingen	Monopile	UK
2013	Westermost Rough	Hydrohammer S-2000 / Upending Tool 1,000t / Realtime fatigue analyses	5.8	DEME	Monopile	UK
2012	Meerwind Ost/Sud	Hydrohammer S-2000 / Pile Guide and Positioning Frame / Upending Tool 670t	5.5	Seajacks	Monopile	DE
2012	Nordsee Ost	Hydrohammer S-1200 / Upending Frame 600t / Leveling Tool 800t / Jacket Pile Grippers / MP Flange design	3.0	RWE Innogy	Jacket	DE
2012	Riffgat	Hydrohammer S-1800 / Integrated Monopile Installer	4.7	Seaway 7	Monopile	DE
2012	Gunfleet Sands 3	Hydrohammer S-1400	4.7	Ballast Nedam Offshore	Monopile	UK
2012	London Array	Hydrohammer S-1400 / S-800 / Upending Tool 645t	4.7	Bilfinger Berger & Per Aarsleff	Monopile	UK
2012	Rampion Metmast	Hydrohammer S-800	2.5	Fugro Seacore	Monopile	UK
2012	Teesside	Hydrohammer S-1400 / Upending Tool 500t	3.9	Van Oord Offshore Wind	Monopile	UK
2012	West of Duddon Sands OSS	Levelling Tool 800t	2.1	Scaldis	OSS Jacket	UK
2012	West of Duddon Sands OSS	Jacket Pile Grippers	2.1	Fabricson SA/NV	OSS Jacket	UK
2011	Thornton Bank Phase III	Hydrohammer S-800	1.8	DEME	Jacket	BE
2011	Anholt	Hydrohammer S-2000 / Upending Tool	4.7	Ballast Nedam Offshore	Monopile	DK
2011	Borkum West II Phase I	Hydrohammer S-1200 / ILT 60"x96"	2.5	DEME	Tripod	DE
2011	EnBW Baltic 2 testpile	Hydrohammer S-1200	1.8	DEME & Hochtief	Testpile	DE
2011	NordSee Ost Metmast	Hydrohammer S-800 / Integrated Monopile Installer	2.1	Van Oord Offshore Wind	Monopile	DE
2011	RWE Ijmuiden Metmast	Hydrohammer S-800 / Integrated Monopile Installer	2.1	Van Oord Offshore Wind	Monopile	NL

EUROPE



YEAR	PROJECT NAME	USED EQUIPMENT	TOP PILE Ø (M)	CONTRACTOR	APPLICATION	COUNTRY
2011	Horn Sea Metmast	Jacket Pile Grippers	1.1	Hochtief Solutions	Twisted Jacket	UK
2011	Lincs	Upending Tool 392t	4.7	MPI Offshore	Monopile	UK
2011	Lincs OSS	Hydrohammer S-600	1.4	Fugro Seacore	OSS Jacket	UK
2011	Lincs OSS	ILT 42"x60"	1.4	Fugro Seacore	OSS Jacket	UK
2011	Sheringham Shoal Part II	Hydrohammer S-1800 / Upending Tool 700t	4.7	Seaway 7	Monopile	UK
2011	Walney Phase 2	Hydrohammer S-2000 / ILT 60"x96"	5.2	Ballast Nedam Offshore	Monopile	UK
2011	Walney Phase 2 OSS	Hydrohammer S-600	1.8	Volker Staal en Funderingen	OSS Jacket	UK
2010	Thornton Bank Phase II	Hydrohammer S-800	1.8	DEME	Jacket	BE
2010	BARD Offshore 1	Upending Tool 430t	-	BARD Building	Tripile	DE
2010	EnBW Baltic 1	Hydrohammer S-1200 / Upending Tool 240t	4.3	Ballast Nedam Offshore	Monopile	DE
2010	Greater Gabbard	Hydrohammer S-1200 / S-1800	5.1	Seaway 7	Monopile	UK
2010	Ormonde	Hydrohammer S-500 / Piling Template	-	DEME	Jacket	UK
2010	Sheringham Shoal Part I	Hydrohammer S-1400 / Upending Tool 700t	4.7	MT Højgaard	Monopile	UK
2010	Walney Phase 1	Hydrohammer S-1400 / Upending Tool 552t / Pile Plug 4,680 - 6,000mm	4.7	DEME	Monopile	UK
2010	Walney OSS	ILT 60"x96"	-	Volker Staal en Funderingen	OSS Jacket	UK
2010	Walney Phase 1	Hydrohammer S-500	1.8	Volker Staal en Funderingen	OSS Jacket	UK
2009	Belwind	Hydrohammer S-1200 / Upending Tool 600t	4.0	Van Oord Offshore Wind	Monopile	BE
2009	Thanet	Hydrohammer S-1400 / Upending Tool 600t	4.9	Thanet Offshore Wind	Monopile	UK
2008	Horns Rev 2	Hydrohammer S-1200 / Upending Tool 280t	3.9	Bilfinger Berger & Per Aarsleff	Monopile	DK
2008	Alpha Ventus	Hydrohammer S-500 / 72" Slotted Frame (60")	2.5	DEME	Tripod + Jacket	DE
2008	Gunfleet Sands	Hydrohammer S-1400 / Upending Tool 335t / Pile Plugs 4,700mm	4.7	MT Højgaard	Monopile	UK
2008	Rhyl Flats	Upending Tool 280t / Pile Plugs 4,740mm	4.7	Ballast Nedam Offshore	Monopile	UK
2007	Lynn	Upending Tool 266t	4.7	MPI Offshore	Monopile	UK
2007	Robin Rigg	Hydrohammer S-800 / Upending Tool 263t	4.3	MPI Offshore	Monopile	UK
2006	Fino II Measure pile	Hydrohammer S-500	2.7	F+Z & Per Aarsleff	Measurepile	DE
2006	Egmond aan Zee	Hydrohammer S-1200	4.6	Ballast Nedam Offshore	Monopile	NL
2006	Prinses Amalia Windpark	Upending Tool 500t	4.0	-	Monopile	NL
2006	Beatrice Demonstration	Hydrohammer S-500	1.8	Volker Staal en Funderingen	Jacket	UK
2006	Burbo Bank	Upending Tool 237t	5.0	Mammoet van Oord	Monopile	UK
2005	Barrow	Hydrohammer S-1200	4.8	MPI Offshore	Monopile	UK
2005	Race Bank & Docking Shoal	Hydrohammer S-500	-	Mammoet van Oord	Met Mast	UK
1994	Lely	Hydrohammer SC-150	3.7	Ballast Nedam Offshore	Monopile	NL

ASIA



YEAR	PROJECT NAME	USED EQUIPMENT	TOP PILE Ø (M)	CONTRACTOR	APPLICATION	COUNTRY
2021	Own fleet	Hydrohammer S-2000	5.5	Shanghai Boqiang	Monopile	CN
2021	Own fleet	Hydrohammer S-2000	6.5	Shanghai Shocktorm	Monopile	CN
2020	Own fleet	Hydrohammer S-800	-	Shanghai Yuxiong	Jacket	CN
2020	Own fleet	Hydrohammer S-1200	120"	Shanghai Boqiang	Monopile	CN
2020	Own fleet	Hydrohammer S-1800	5.5	Shanghai Boqiang	Monopile	CN
2020	Own fleet	Hydrohammer S-3600	6.5	Shanghai Boqiang	Monopile	CN
2020	Own fleet	ILT 60"x96"	-	Shanghai Boqiang	-	CN
2020	Yunlin	Hydrohammer S-2000 / Upending Tool 2,025t	6.5	Sapura Energy	Monopile	TW
2020	Formosa 2	Jacket Pile Grippers	2.4	Jan De Nul	Jacket	TW
2020	Formosa 2	Sleeve 108" / Advisory Services	2.4	Seaway 7	Jacket	TW
2019	Own fleet	Hydrohammer S-3600	7.5	Shanghai Shocktorm	Monopile	CN
2019	TPC	Jacket Pile Grippers	3.1	Heerema	Jacket	TW
2019	Own fleet	Hydrohammer S-800 / S-3000	-	CCCC 3rd Harbor Engineering Co., Ltd.	Monopile	CN
2019	Own fleet	Hydrohammer S-3000	-	Cosco CRCC	Monopile	CN
2019	Own fleet	Hydrohammer S-2500	-	Sai Tide	Monopile	CN
2018	China Three Gorges Dalian Zhuanghe 300MW Offshore Wind Farm	Hydrohammer S-800	-	CCCC 3rd Harbour Engineering Co.,Ltd	-	CN
2018	Longyuan Jiangjiasha 200MW Offshore Wind Farm	Hydrohammer S-1200	-	Jiangsu Longyuan Zhenhua Marine Engineering Co.,Ltd	-	CN
2018	SPIC Jiangsu Dafeng H3 300MW Offshore Wind Farm	Hydrohammer S-1400	-	Huadian Heavy Industry Co.,Ltd	-	CN
2018	Guohua Jiangsu Dongtai 300MW Offshore Wind Farm	Hydrohammer S-1400	-	CCCC 3rd Harbour Engineering Co.,Ltd	-	CN
2018	China Three Gorge Jiangsu Dafeng 300MW Offshore Wind Farm	Hydrohammer S-1800	-	CCCC 3rd Harbour Engineering Co.,Ltd	-	CN
2018	China Three Gorges Jiangsu Dafeng 300MW Offshore Wind Farm	Hydrohammer S-1800	-	CCCC 3rd Harbour Engineering Co.,Ltd	-	CN
2018	Huaneng Rudong 300MW Offshore Wind Farm	Hydrohammer S-2000	-	Jiangsu Longyuan Zhenhua Marine Engineering Co.,Ltd	-	CN
2018	Fujian Putian Pinghaiwan Phase 2 250MW Offshore Wind Farm	Hydrohammer S-3000	-	CCCC 3rd Harbour Engineering Co.,Ltd	-	CN
2017	SPIC Jiangsu Binhai H2 400MW Offshore Wind Farm	Hydrohammer S-2000	-	Huadian Heavy Industry Co.,Ltd	-	CN
2017	Longyuan Dafeng phase 2 200MW Offshore Wind Farm	Hydrohammer S-2000	-	Jiangsu Longyuan Zhenhua Marine Engineering Co.,Ltd	-	CN
2016	Huaneng Rudong Offshore Wind Farm 300MW Project	Hydrohammer S-1800	-	Jiangsu Longyuan Zhenhua Marine Engineering Co+CCCC Third Harbor Engineering Co., Ltd	-	CN
2016	Shanghai Lingang Offshore Wind Farm Demonstration Project (Phase 1)	Hydrohammer S-600	-	CCCC Third Harbor Engineering Co., Ltd	-	CN
2016	Formosa 1 OWF Phase 1	Hydrohammer S-2000	-	Jiangsu Longyuan Zhenhua Marine Engineering Co	-	TW
2015	CGN Rudong Offshore Demonstration Project	Hydrohammer S-1800	-	CCCC Third Harbor Engineering Co., Ltd	-	CN

ASIA



YEAR	PROJECT NAME	USED EQUIPMENT	TOP PILE Ø (M)	CONTRACTOR	APPLICATION	COUNTRY
2015	Putian Pinghai Bay Offshore Demonstration Project Phase A	Hydrohammer S-800	-	CCCC Third Harbor Engineering Co., Ltd	-	CN
2015	Xiangshui Offshore Demonstration Project	Hydrohammer S-600	-	CCCC Third Harbor Engineering Co., Ltd	-	CN
2015	Taiwan Power Met Mast	Hydrohammer S-280	-	Hung Hua	-	TW
2015	Fuhai Met Mast	Hydrohammer S-600	-	CSBC	-	TW
2014	Rudong Offshore Wind Farm Demonstration Project - Expansion Project (200MW)	Hydrohammer S-800	-	Jiangsu Longyuan Zhenhua Marine Engineering Co	-	CN
2012	Jiangsu Rudong 150MW Offshore (Intertidal) Demonstration Wind Farm - Extension	Hydrohammer S-800	-	Jiangsu Longyuan Zhenhua Marine Engineering Co	-	CN
2012	Jiangsu Rudong 150MW Offshore (Intertidal) Demonstration Wind Farm - phase II	Hydrohammer S-800	-	Jiangsu Longyuan Zhenhua Marine Engineering Co	-	CN
2012	Kamisu Nearshore Wind Farm - Phase 2	Hydrohammer S-500	-	Moricho Corporation	-	JP
2011	Da Feng Intertidal ConCession Project	Hydrohammer S-800	-	Jangsu Longyuan Zhenhua Marine Eng. Co.,Ltd	-	CN

USA



YEAR	PROJECT NAME	USED EQUIPMENT	TOP PILE Ø (M)	CONTRACTOR	APPLICATION	COUNTRY
2020	Virginia Offshore	Hydrohammer S-3000 / FPUT 1,200t / TPLT / Combi Lifting Spread	6.0	Jan De Nul	Monopile	USA
2015	Block Island Wind Farm, Rhode Island	Hydrohammer S-800	-	Weeks Marine	Jacket	USA