



OVERVIEW REFERENCES OFFSHORE WIND

	Nordsee Ost, Germany	Amrumbank West, Germany	Wikinger, Germany	Arkona Becken, Germany	Alpha Ventus, Germany	Helwin Alpha, Germany	Merkur, Germany	Deutsche Bucht, Germany	TWB II, Germany	Yunlin Windpark, Taiwan	Galloper, UK	Friesland, The Netherlands	St. Brieuc, France	Kaskasi, Germany	Sylwin Alpha, Germany	Arcadis Ost 1 – OSS, Germany	Hollandse Kust South, Netherlands	Murray West; UK	Sofia, UK	Hai – Long, Taiwan	Jeonnam 1, Korea
Client	RWE	RWE	IBERDROLA	RWE	DOTI	Tennet	Merkur	Northland Power	EWE	Skyborn Renewables	RWE	Von Oord	IBERDROLA	RWE	Tennet	Parkwind	Vattenfall	Moray West	Van Oord/RWE	Northland Power	CPI
Start	2014	2015	2015	2015	2016	2016	2017	2017	2018	2019	2019	2020	2020	2020	2020	2021	2021	2022	2022	2022	2022
WEA	48 Senvion 6.2 MW	80 Siemens 3.6 MW	70 Adwen 5 MW	60 Siemens 6 MW	12 Areva REpower	576 MW	66 GE-Hal. 6 MW	31 Vestas 8.4 MW	32 Senvion 6.3 MW	80 Siemens 8 MW	56 Siemens 6.3 MW	89 Siemens 4.3 MW	62 Siemens 8 MW	38 Siemens 8 MW	864 MW	27 Vestas 9.5 MW	140 Siemens 11 MW	60 Siemens 14.7 MW	100 Siemens 14 MW	73 Siemens 14 MW	15 Siemens 5 MW
Foundation Structure	Jacket	Monopile	Jacket + OSS	Monopile + OSS	Jacket + Tripod	Offshore Plattform	Monopile	Monopile	Monopile	Monopile	Monopile	Monopile	Jacket	Monopile	Offshore Plattform	Monopile	Monopile	Monopile	Monopile	Jacket	Monopile
Monitoring concept	✓	✓		✓	✓	✓	✓	✓	✓			✓			✓					✓	✓
Hardware design	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Installation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Data Processing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Data Analysis	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓				✓	✓
BSH reporting	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓		✓					
Fleet Monitoring for all structures		✓		✓				✓	✓											✓	✓
Lifetime Management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓		✓				✓	✓