



FLLOATING WIND TURBINES BY NAVAL ENERGIES, A STEP FORWARD FOR OFFSHORE WIND ENERGY

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ABS

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2018 Offshore Wind

- 1. JBM Offshore
- 2. JBM Offshore
- 3. Progression South

2018 Offshore Wind

- 1. Dounreay TI
- 2. Island Scotland
- 3. EIP Project UK
- 4. Eonshore FTT
- 5. Eonshore FTT2
- 6. APL Wind

Hywind

Equinor

Steel or concrete, Draft 36m

Operational 75m

WindFloat

Principle Power

Steel, Draft 20m

Operational >40m

Damping Pool

Siemens

Steel or concrete, Draft 7.5m, Oper >28m

Toda SPAR

Toda

Concrete, Draft 76m

Operational >100m

Hexicon

Hexicon

Steel, Draft 15m

Operational >50m

Tetra Spar

Siemens

Steel

Operational >40m

Sea Reed

Naval Energies

Concrete, Draft 10m

Operational >50m

HexaFloat

Siemens

Steel, Draft 30m

Operational >80m

SATH

Saitec Offshore

Concrete, Draft 25m

Operational >75m

Tri-Floater

Siemens

Steel, Draft 13m

Operational >45m

Project	Operator	System	Turbine	MW	D/D	Mooring	Status
1. Flotgen	Flotgen	Ideol Damping Pool	MHI Vestas	2	33-20	Semi-taut 6	2018
2. EFL (Leucate)	EDPR	PFI WindFloat	Siemens	4 x 6	70-20	Category 4	2018
3. Grov-Belle-Ile	Eolif	Naval Sea Reed	GE Energy	4 x 6	70-20	Semi-taut 6	2018
4. EolMed (Gruissan)	Quadran	Ideol Damping Pool	Siemens	4 x 6.2	55-16	Category 6	2018
5. FICL (Fleurance)	EDF Renewable	SBM WindFloater	Siemens	3 x 8	90-22	Tact 3	2018
6. EolMed Commercial	Quadran	Ideol Damping Pool	Siemens	250	250	SPM/Taut	2018
7. Breivag South	Eolif	Naval Sea Reed	Siemens	6	100-5	SPM/Taut	2018
8. EolLink Demonstrator	Eolif	EolLink	Siemens	6	100-5	SPM/Taut	2018

Project	Operator	System	Turbine	MW	D/D	Mooring	Status
1. Fukushima Ph1	Manubeni	Semisub Miral	Hitachi	2	120-20	Category 6	2018
2. Fukushima Ph2	Manubeni	Spar Hanulaze	Hitachi	3	120-20	Category 6	2018
3. Goto Sakayama	Toeda	Spar (Firm Kabashima)	Hitachi	2	100-5	Category 3	2018
4. Hibiki	Manubeni	Ideol Damping pool	Aerodyn	3	55-5	Category 9	2018
5. Kitakyushu	Manubeni	Ideol Damping pool	Aerodyn	3	55-5	Category 9	2018
6. Nezy Demonstrator	Manubeni	Nezy	Aerodyn	6	70-5	Turret Taut	2018
7. Goto Sakayama	Toeda	Concrete Spar	Hitachi	8 x 2	100-5	Category 3	2018
8. Accacia	Accacia	Ideol Damping Pool	Siemens	2.3	100-5	Category 3	2018

Project	Operator	System	Turbine	MW	D/D	Mooring	Status
1. Donghae TwinWind	Shell/Coor/Hexicon	Hexicon	Local	20 x 10	150-16	Turret/Taut	2018
2. KFWind	EDPR/Alor	PFI WindFloat	MHI Vestas	25 x 8	150-16	Category 3	2018
3. Gray Whale	GIG (Macquarie)	Various options	Siemens	25 x 8	150-16	Category 9	2018
4. White Whale	SR EAC/CIP	Various options	Siemens	25 x 8	150-16	Category 3	2018
5. KNOC/Equipart	KNOC	Equipart Hywind	Siemens	25 x 8	150-16	Category 3	2018
6. Juju Demo Project	Juju Island	GustMSC	Siemens	25 x 8	80-15	Category 3	2018

Project	Operator	System	Turbine	MW	D/D	Mooring	Status
1. Hywind1	Unitech	Equipart Hywind 1	Siemens	2.3	200-7	Category 3	2018
2. TeraSpat Demo	Siemens	Equipart	Siemens	11 x 8	200-7	Category 3	2018
3. Hywind Tampen	Siemens	Equipart	Siemens	11 x 8	200-7	Category 3	2018
4. SeaWind S2	Siemens	Equipart	Siemens	11 x 8	200-7	Category 4	2018
5. Akw/BP Noaka	BP	Equipart	Siemens	11 x 8	200-150	Category 3	2018

Project	Operator	System	Turbine	MW	D/D	Mooring	Status
1. Hywind Scotland	Hywind Scotland	Spar floater	Siemens	5 x 6	100-25	Category 3	2018
2. Kincaid Ph1	Kincaid Ph1	PFI WindFloat	MHI Vestas	1 x 2	62-15	Category 4	2018
3. Kincaid Ph2	Kincaid Ph2	PFI WindFloat	MHI Vestas	5 x 9.5	62-15	Category 4	2018
4. TLPWind UK	TLP	TLP	DTU	2 x 4	81-25	Tethers 3	2018
5. Dounreay TI	Hexicon	Hexicon	Siemens	5 x 10	62-15	Turret 10	2018
6. Atlantis /Ideol	Atlantis /Ideol	Ideol Damping Pool	Siemens	100	100	Category 6	2018

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1. Bedwood Coast	EDPR/Alor/PPI	PFI WindFloat	Siemens	15 x 10	900-40	Category 3	2018
2. Castle Wind	EnBW/Triident	Various options	Siemens	1600	1000-40	Category 3	2018
3. Aqua Ventus II	Uthmaniyah/DCNS	Volturn US	Siemens	5 x 6	75-30	Category 3	2018
4. Great Lakes	Magellan/CP	Steadfast Tetrafloat	Siemens	25 x 8	150-16	Category 3	2018
5. Diablo Canyon	Lease tender	Various	Siemens	2,200	1000-40	Category 3	2018
6. Progression South	Progression	PFI WindFloat	Siemens	68 x 9.5	1000-20	Category 3	2018
7. AWH Oahu North	AWH/Hawaii Wind	Various options	Siemens	50 x 8	1200-15	Category 3	2018
8. AWH Oahu South	AWH/Hawaii Wind	Various options	Siemens	50 x 8	1300-15	Category 3	2018

Project	Operator	System	Turbine	MW	D/D	Mooring	Status
1. Dounreay TI	Siemens	Equipart Hywind 1	Siemens	2.3	200-7	Category 3	2018
2. Kincaid Ph1	Kincaid Ph1	PFI WindFloat	MHI Vestas	1 x 2	62-15	Category 4	2018
3. Kincaid Ph2	Kincaid Ph2	PFI WindFloat	MHI Vestas	5 x 9.5	62-15	Category 4	2018
4. TLPWind UK	TLP	TLP	DTU	2 x 4	81-25	Tethers 3	2018
5. Dounreay TI	Hexicon	Hexicon	Siemens	5 x 10	62-15	Turret 10	2018
6. Atlantis /Ideol	Atlantis /Ideol	Ideol Damping Pool	Siemens	100	100	Category 6	2018

Project	Operator	System	Turbine	MW	D/D	Mooring	Status
1. Gicon SOF	Gicon	TLP	Siemens	2.3	100-5	Tether	2018

Quest floating wind energy

Fixed-bottom, floating, wave-integrated

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