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Floating Offshore Wind Turbines

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COMMERCIAL
DEPLOYMENT**

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DEDICATED TO FLOATING OFFSHORE WIND TURBINES**



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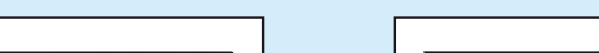
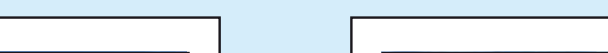
Phone: +91 98999 99999
Email: sales@mvsalesandmarketing.com

QR Code

Click on a project name for more information.



Project-associated Floating Wind Systems

 Hyrwind Statoil Steel, Draft 36m Operational 75 - 200m Norway Scotland USA	 Fukushima Mirai Manuburi Steel, Draft 25m Operational 50 - 200m Japan	 SeaTwirl S2 Steel, Draft 31m Operational 50 - 200m Sweden	 Fukushima Shimpou Manuburi Steel, Draft 17m Operational 50 - 200m Japan	 Damping Pool Ideol Steel or concrete Draft 7.5 - 9m, Operational > 28m France Japan Norway United Kingdom	 Hexicon Hexicon Steel, Draft 15m Operational 50 - 200m Scotland Spain	 Windfloat Principle Power Steel, Draft 20m Operational 40 - 1000m France Portugal USA	 Voltum USA Maine AV Concrete, Draft 20m Operational 40 - 200m USA	 Sea Reed Naval Energies Steel, Draft 10m Operational 50 - 100m France	 Cobra Semi-Spar Grupo Cobra Concrete, Draft 36m Operational 60 - 200m Scotland Spain	 TetraSpar Demo Steadal Steel Operational > 40m Norway	 Windfloator 35M Offshore Steel Operational > 45m France
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Project	Operator	System	Turbine	MW	D/D	Mooring	Status	
FRANCE								
1	Flotacon	Flotacon	Ideol Damping Pool	Vestas	2	30 - 20	Car/Taut 6	
2	EDF - Bello-Ile	Naval Sea Beed	GE Energy	4 x 6	70 - 15	Semi-taut 6		
3	EOlMed (Gruissan)	Quadrant / Ideol	Servinco	4 x 6.2	50 - 15	Category 6		
4	PGL (Framan)	EDF EN	Siemens	3 x 8	20 - 22	Taut 3		
5	EFGL (Leucate)	EDF-ENR/CDC	PP Windfloat	Hallidae	4 x 6	70 - 20	Category 4	
6	Quadrant / Commercial	Ideol Damping Pool		500				
7	SEMPRE	Developement Site						

GERMANY		IRELAND	
1	Gicon SOF	Gicon	TLP
			Siemens
			2.3
			18 - 21
			Tether 4 / taut 4
1	Gaellectric / Ideol	Gaellectric	Ideal Damping Pool
2	Gaellectric Commercial	Gaellectric	Ideal Damping Pool
			15
			1.5 GW

Project	Operator	System	Turbine	MW	D/D	Mooring	Status
JAPAN							
1 Fukushima Ph1	Manubeni	Semibus Mirai	Hitachi	2	120 - 20	Category 6	2013
2 Fukushima Ph1	Manubeni	Semibus Shimizu	Hitachi	7	120 - 20	Category 6	2013
3 Fukushima Ph2	Manubeni	SpaR Hamakaze	Hitachi	5	100 - 20	Category 6	2013
4 Sakayama	Toda	SpaR (Irmu Kabashima)	Hitachi	2	100 - 5	Category 3	2016
5 Kitayushu NEDO	Manubeni	Ideal Concrete SPAL	Hitachi	3	70 - 15	Cat/Taut 6	2016
6 Fukushima Comm.	Manubeni	Semi-sub		1GW	120 - 30		2016
7 Goto Sakayama	Goto	Concrete SPAL		8 x 2	100 - 15		2016

KOREA (South)	Unison / KETEP	Semisub	Unison 750	0.75			
1 Aguilu Flat	Halla Wind	GustoMSC Tri-float		100			2020
2 Dongbu							
NORWAY	Statoil	Spar floater	Siemens	2.3	200 - 7	Catenary 3	2009
1 Hywind I							

Project	Operator	System	Turbine	MW	D/D	Mooring	Status
PORTUGAL							
1	Windfloat Atlantic 2	Windplus/EDP	PPI Windfloat	Vestas	3 x 8	100 - 30	Category 4
2	Windfloat WFA Ph2	Windplus/EDP	PPI Windfloat	Vestas	125	100 - 30	Category 6
SPAIN							
1	Nautilus	Vetella	Nautilus Semi-sub	Cobra	1 x 5	50	Category 4
3	Rican S Canary	Cobra	Cobra Semi-Span*	Gamasa	1 x 5	100	Category 3
3	Hexion Canary	Hexion	Nautilus	Gamasa	5 x 5	50	Category 3

SWEDEN								
1	SeaTwril S1	SeaTwril	SeaTwril SPAR	SeaTwril	0.3	30	Tether 1	  
2	SeaTwril S2	SeaTwril	SeaTwril SPAR	SeaTwril	1	30	Cat/Tether 4	
3	Havsbaserat	OffshoreVast	Test site					
TAIWAN								
1	CSC / Ideol	China Steel	Ideol Damping Pool				Cat/taut 6	

Project	Operator	System	Turbine	MW	D/D	Mooring	Status
UNITED KINGDOM							
1	Hywind Scotland	Hywind Scotland	Spar Rooster	Siemens	5 x 6	100 - 25	Category 3
2	Kincardine	PPW/Humbly Grove	Westcoast	1 x 2	62 - 15	Category 3	
3	Dounreay Tr1	KOCON RES	Hecobon	Darwin	2 x 5	62 - 15	Turret 10
4	Kincardine	HXWEL	Cosco Hybrid-Spar*	Servinor	8 x 6.15	62 - 15	Category 4
5	Atlantis / Ideol	Atlantis / Ideol	Ideol Damping Pool	1500W		Car/Trait 6	
6	Atlantis commercial	Atlantis / Ideol	Ideol Damping Pool	1500W		Car/Trait 6	
7	TLP Wind UK	Iberdrola	TLP	5	81 - 25	Tethered 3	

UNITED STATES								
1	Aqua Ventus I	Maine AV/Naval	Voltum US	2 x 6	65 - 26	Catenary 3	2019	
2	EDPR/PPi commercial	EDPR	PVI Windfloat	15x10	500 - 35	Catenary 4	2024	
3	Empire Wind	Equinor	Hvinden III	1.5 GW	100 - 130	Catenary 3	2020	
4	AWH Oahu North	AWH Hawaii Wind	Various options	50 x 8	1200			
5	AWH Oahu South	AWH Hawaii Wind	Various options	50 x 8	1300			

Floating Wind Energy

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