



# offshorewindfarms.co.uk

A total of 10 offshore projects are currently operational worldwide: the early projects were relatively small scale and shallow or sheltered waters. Not until Blyth Offshore came online, exposed as it is to the full force of the North Sea, could any be described as truly offshore. The newly-completed Horns Rev is the largest offshore project in the world.

Location	Country	Online	MW	No	Rating
Vindeby	Denmark	1991	4.95	11	Bonus 450kW
Lely (Ijsselmeer)	Holland	1994	2.0	4	NedWind 500kW
Tunø Knob	Denmark	1995	5.0	10	Vestas 500kW
Dronten (Ijsselmeer)	Holland	1996	11.4	19	Nordtank 600kW
Gotland (Bockstigen)	Sweden	1997	2.5	5	Wind World 500kW
Blyth Offshore	UK	2000	3.8	2	Vestas 2MW
Middelgrunden, Copenhagen	Denmark	2001	40	20	Bonus 2MW
Uttgrunden, Kalmar Sound	Sweden	2001	10.5	7	GE Wind 1.5MW
Yttre Stengrund	Sweden	2001	10	5	NEG Micon NM72
Horns Rev	Denmark	2002	160	80	Vestas 2MW
Frederikshaven	Denmark	2003	10.6	4	2 Vestas 3MW, 1 Bonus 2.3MW and 1 Nordex 2.3MW
<b>Totals</b>			<b>260.75</b>	<b>163</b>	

Ireland, Belgium, Germany and the Netherlands are also expressing serious intent in developing their offshore resource. Proposed projects include:

- Mouth of the Western Scheldt River, Holland, 100MW
- Ijmuiden, Holland, 100MW
- Laeso, Denmark, 150MW
- Omo Stalgrunde, Denmark, 150MW
- Gedser Rev, Denmark, 15MW
- Rodsand, Denmark, 600MW
- Lilgrund Bank, Sweden, 48MW
- Barsebank, Sweden, 750MW
- Kish Bank, Ireland 250MW+
- Arklow Bank, off County Wicklow, Ireland 200MW+

The US is also dipping its feet in the water with the proposed Cape Cod project

Utilising megawatt-plus class machines, these projects will generate higher volumes of electricity from the more constant wind regimes experienced at sea and are likely to play a major role in power generation in the future.

The EWEA have estimated that 5GW of the 60GW predicted for 2010 will be coming from the offshore sector. [Click here to visit the EWEA website to find out more.](#)


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