

Belgium

Project	Location	Capacity	N° of Turbines	Water depth(m)	Distance to shore (km)	Online	WT manufacturer
<i>IN OPERATION</i>							
Thornton Bank phase 1	Off Zeebrugge	30	6	12 to 27	27 to 30	2008	Repower
<i>PLANNED 2015</i>							
Belwind	Off Zeebrugge	330	-	-	-	2010	Vestas
Thornton Bank phase 2	Off Zeebrugge	90	-	-	-	2010	Repower
Thornton Bank phase 3	Off Zeebrugge	180	-	-	-	2012	Repower
Eldepasco phase 1	Off Zeebrugge	72	-	-	-	2012	-
Eldepasco phase 2	Off Zeebrugge	144	-	-	-	2014	-
North of Bligh Bank	Off Zeebrugge	600	-	-	-	2015	Blue H
TOTAL		1,416					

Denmark

Project	Location	Capacity	N° of Turbines	Water depth(m)	Distance to shore (km)	Online	WT manufacturer
<i>IN OPERATION</i>							
Vindeby	NW of Vindeby, Lolland	4.95	11	2,5 to 5	2,5	1991	Bonus
Tunø Knob	Off Aarhus, Kattegat Sea	5	10	0,8 to 4	6	1995	Vestas
Middelgrundten	Oresund, E of Copenhagen	40	20	5 to 10	2 to 3	2001	Bonus
Horns Rev 1	Blåvandshuk, Baltic Sea	160	80	6 to 14	14 to 17	2002	Vestas
Nysted	Rødsand, Lolland	165.6	72	6 to 10	6 to 10	2003	Siemens
Samsø	Paludans Flak, S of Samsø	23	4	11 to 18	3,5	2003	Bonus
Frederikshavn	Frederikshavn Harbour	10.6	4	3	0,8	2003	Vestas, Bonus, Nordex
TOTAL		409.15					
<i>UNDER CONSTRUCTION</i>							
Sprøggø	N of Sprogø	21	7	6 to 16	0,5	2009	-
Avedøre	Off Avedøre	7.2	2	2	0.025	2009	-
Frederikshavn (Test site)	Frederikshavn Harbour	12	2	15 to 20	4,5	2010	-
Horns Rev 2	Blåvandshuk, Baltic Sea	209	91	9 to 17	30	2010	Siemens
Rødsand 2	Off Rødsand, Lolland	200	89	5 to 15	23	2010	-
TOTAL		449.2					
<i>PLANNED 2015</i>							
Djursland-Anholt Between Djursland and Anholt		400	-	-	-	2012	-
Grenaa Havn	Off Grenaa Harbour	18	-	-	-	-	-
TOTAL		418					

Finland

Project	Location	Capacity	N° of Turbines	Water depth(m)	Distance to shore (km)		
<i>IN OPERATION</i>							
Kemi Ajos phases 1+2	Ajos Harbour	24	8	-	<1	2008	-
<i>PLANNED 2015</i>							
Pori 1	West Coast	36	-	-	-	2010	-
Pori 2	West Coast	30	-	-	-	2011	-
Kristiina	Off Närpö	240	-	-	-	2011	-
Suurhieka	Off Oulo, Bay of Bothnia	400	-	-	-	2013	-
Korsnäs	Gulf of Bothnia	600	-	-	-	2015	-
TOTAL		1,306					

France

Project	Location	Capacity	N° of Turbines	Water depth(m)	Distance to shore (km)	Online	WT manufacturer
<i>PLANNED 2015</i>							
Côte d'Albâtre	N of Dieppe	105	-	-	-	2009	Multibrid
Deux côtes	English Channel	705	-	-	-	2012	-
Le Havre	Off Le Havre	260	-	-	-	2012	-
TOTAL		1,070					

Germany

Project	Location	Capacity	N° of Turbines	Water depth(m)	Distance to shore (km)	Online	WT manufacturer
<i>IN OPERATION</i>							
EmdenEms	River in Emden	4.5	1	-	<1	2004	Enercon
Breitling	Rostock Harbour	2.5	1	2	1	2006	Nordex
Hooksiel	Hooksiel Harbour	5	1	2 to 8	0,4	2008	Enercon
TOTAL		12					
<i>UNDER CONSTRUCTION</i>							
Alpha Ventus	N of Borkum	60	12	30	45	2009	Multibrud, Repower
Baltic 1	Off Darss peninsula	52.5	21	-	15 to 16	2009	Nordex
Borkum Riffgat	Off Oldenburg	220	-	-	-	2012	-
BARD offshore 1		400	80	-	100	2009	BARD
TOTAL		732.5					
<i>PLANNED 2015</i>							
Borkum Riffgrund phase 1	N of Juist island	231	-	-	-	2009	-
Sky 2000	Bay of Lubeck	150	-	-	-	2009	-
Nördlicher grund	W of Sylt	400	-	-	-	2009	-
Nordergrunde	Jade-Weser Estuary	90	-	-	-	2010	-
Gode Wind	Off Helgoland	400	-	-	-	2010	-
Borkum West 2	N of Borkum	400	-	-	-	2011	-
Amrumbank West	W of Amrum	400	-	-	-	2011	-
Northsea Wind Station	Off island of Juist	280	-	-	-	2011	-
Austerngrund	North Sea	400	-	-	-	2011	-
Hochsee Windpark Noordsee	North Sea	400	-	-	-	2011	-
Borkum Riffgrund West pahse 1	NW of Borkum	400	-	-	-	2011	-
Nordsee Ost	W of Amrum	400	-	-	-	2012	-
Butendiek	W of Sylt	240	-	-	-	2012	-
Globaltech 1	N of Helgoland	360	-	-	-	2013	-
Kriegers Flak	Off Island of Rügen	332	-	-	-	2013	-
Borkum Riffgrund phase 2	N of Juist island	450	-	-	-	2013	-
Meerwind	North Sea	400	-	-	-	2013	-
Innogy Nordsee 1	N of Juist island	960	-	-	-	2015	-
He Dreiht	N of Island of Borkum	400	-	-	-	2015	-
Dan Tysk	W of Sylt	400	-	-	-	-	-
Sandbank 24 phase 1	W of Sylt	400	-	-	-	-	-
Arkona-Becken phase 1	SE of Arkona Basin	400	-	-	-	-	-
Beltsee	NW of Rostock	415	-	-	-	-	-
GEOFRéE	Bay of Lubeck	25	-	-	-	-	-
Deutsche Bucht	North Sea	250	-	-	-	-	-
Ventotec Nord phase 1	North Sea	600	-	-	-	-	-
Ventotec Nord phase 2	North Sea	600	-	-	-	-	-
TOTAL		10,183					

Ireland

Project	Location	Capacity	N° of Turbines	Water depth(m)	Distance to shore (km)	Online	WT manufacturer
<i>IN OPERATION</i>							
Arklow Bank	Off Arklow, Co Wicklow	25.2	7	15	10	2004	GE
<i>PLANNED 2015</i>							
Codling Wind Park	Off Greystones and Wicklow	1,100	-	-	-	-	-
Kish and Bray	Dublin Bay	48	-	-	-	-	-
Oriel Wind Farm	SE of Dundalk	330	-	-	-	-	-
Skerd Rocks	Off Carna	100	-	-	-	-	-
TOTAL		1,578					

Italy

Project	Location	Capacity	N° of Turbines	Water depth(m)	Distance to shore (km)	Online	WT manufacturer
<i>IN OPERATION</i>							
Brindisi	Off Brindisi, Apulia	0.08	1	108	20	2008	Blue H
<i>PLANNED 2015</i>							
Molise	Off Termoli, Molise	162	-	-	-	2010	-
Golfo di Gela	Gela Gulf	575	-	-	-	-	-
Tricase	Off coast Apulia coast	90	-	-	-	-	-
TOTAL		827					

Netherlands

Project	Location	Capacity	N° of Turbines	Water depth(m)	Distance to shore (km)	Online	WT manufacturer
<i>IN OPERATION</i>							
Lely	Medemblik, IJsselmeer	2	4	7,5	0.75	1994	Nedwind
Irene Vorrink	Dronten, IJsselmeer	16.8	28	2	0.03	1996	NordTank
Offshore Wind Farm Egmond ann Zee	Off Egmond aan Zee	108	36	17 to 23	8 to 12	2006	Vestas
Prinses Amalia	Off IJmuiden	120	60	19 to 24	23	2008	Vestas
TOTAL		246.8					
<i>PLANNED 2015</i>							
Scheveningen Buiten	Off Scheveningen	300	-	-	-	2011	-
West Rijn	Off Scheveningen	284	-	-	-	2012	-
Breeveertien 2	Off IJmuiden	350	-	-	-	2013	-
Callantsoog-Noord	Off Den Helder	303	-	-	-	2013	-
Q10	Off Velsen	200	-	-	-	2013	-
Tromp	Off IJmuiden	1,150	-	-	-	-	-
TOTAL		2,587					

Norway

Project	Location	Capacity	N° of Turbines	Water depth(m)	Distance to shore (km)	Online	WT manufacturer
<i>IN OPERATION</i>							
LFloating Hywind	Off Karmoy	3	1	100	10	2009	Siemens
<i>PLANNED 2015</i>							
Havsul 1	Off Møre and Rømsdal	350	-	-	-	-	-
Siragrunnen	S of Stavanger	200	-	-	-	-	-
Lista	S of Lista	1,000	-	-	-	2015	-
TOTAL		1,550					

Spain

Project	Location	Capacity	N° of Turbines	Water depth(m)	Distance to shore (km)	Online	WT manufacturer
<i>PLANNED 2015</i>							
Barbate	Off Barbate	982.8	-	-	-	2012	-
Mar de Trafalgar	Off Gibraltar	993.6	-	-	-	-	-
TOTAL		1,976.4					

Sweden

Project	Location	Capacity	N° of Turbines	Water depth(m)	Distance to shore (km)	Online	WT manufacturer
<i>IN OPERATION</i>							
Bockstigen	Gotland	2,8	5	6 to 8	3	1998	Winworld
Utgrunden 1	Kalmarsund	10.5	7	4 to 10	7	2001	GE
Yttre Stengrund	Kalmarsund	10	5	8 to 12	4	2002	NEG-Micon
Lillgrund	Oresund Strait	110	48	2,5 to 9	10	2007	Siemens
TOTAL		133.3					
<i>UNDER CONSTRUCTION</i>							
Gässlingegrund	Vänern	30	10	4 to 10	4	2009	-
<i>PLANNED 2015</i>							
Skottarevet	Falkenberg	135	-	-	-	2010	-
Trolleboda	Karlskrona	150	-	-	-	2011	-
Kriegers Flak	Trelleborg	640	-	-	-	2011	-
Kårehamn	Öland	50	-	-	-	2011	-
South Midsjo Bank	Baltic Sea	1,000	-	-	-	2013	-
Kriegers Flak 2	NW of Rugen	640	-	-	-	2014	-
Finngrundet	Baltic Sea	400	-	-	-	-	-
Klasarden	Gotland	48	-	-	-	-	-
Utgrunden 2	Kalmarsund	86.4	-	-	-	-	-
TOTAL		3,149.4					

United Kingdom

Project	Location	Capacity	N° of Turbines	Water depth(m)	Distance to shore (km)	Online	WT manufacturer
<i>IN OPERATION</i>							
Blyth Offshore	Blyth Harbour	3.8	2	6	1	2000	Vestas
North Hoyle	Prestatyn and Rhyl	60	30	5 to 12	7.5	2003	Vestas
Scroby Sands	NE of Greater Yarmouth	60	27	2 to 10	3	2004	Vestas
Kentish flats	Off Whitstable	90	30	5	8.5	2005	Vestas
Barrow	Off Walney Island	90	30	15	7	2006	Vestas
Beatrice	Beatrice Oilfield, Moray Firth	10	2	40	-	2007	Repower
Burbo Bank	Crosby	90	25	10	5.2	2007	Siemens
Inner Dowsing	Ingoldmells/Skegness	90	30	10	5.2	2008	Siemens
Lynn	Ingoldmells/Skegness	97	30	10	5.2	2008	Siemens

TOTAL 590.8

<i>UNDER CONSTRUCTION</i>							
Rhyl Flats	Abergele	90	25	8	8	2009	
Gunfleet Sands 1 and 2	Clacton-on-Sea	172	48	2 to 15	7	2010	Siemens
Solway Firth/Robin Rigg A	Maryport, Rock Cliffe	90	30	>5	9,5	2010	Vestas
Solway Firth/Robin Rigg B	Maryport, Rock Cliffe	90	30	>5	9,5	2010	Vestas
Thanet	Foreness Point, Margate	300	100	20 to 25	7 to 8,5	2010	Vestas
Greater Gabbard phase 1	Off Felixstowe /Clacton-on-Sea	300	-	-	-	2010	Siemens
Greater Gabbard phase 2	Off Felixstowe /Clacton-on-Sea	200	-	-	-	2011	Siemens
Ormonde	Off Walney Island	150	30	20	11	2010	

TOTAL 1,392

<i>PLANNED 2015</i>							
Redcar Teeside	Teesmouth	90	-	-	-	2010	
Sheringham Shoal	Greater Wash	315	-	-	-	2011	
London Array East	Thames Estuary	475	-	-	-	2012	
London Array West	Thames Estuary	525	-	-	-	2012	
Gwynt y Mor	N of Wales	750	-	-	-	2014	
Cirrus Array	Off Cleveleys	270	-	-	-	-	-
Docking Shoal	Off Skegness	500	-	-	-	-	-
Dudgeon East	Greater Wash	300	-	-	-	-	-
Humber Gateway	Off Spurn Head	300	-	-	-	-	-
Lincs	Off Skegness	250	-	-	-	-	-
Race Bank	Greater Wash	500	-	-	-	-	-
Scarweather Sands	Off Sker Point	108	-	-	-	-	-
Triton Knoll	Greater Wash	1,200	-	-	-	-	-
Walney	Off Walney Island	450	-	-	-	-	-
West Duddon	Off Walney Island, Irish Sea	500	-	-	-	-	-
Westermost Rough	Greater Wash	240	-	-	-	-	-

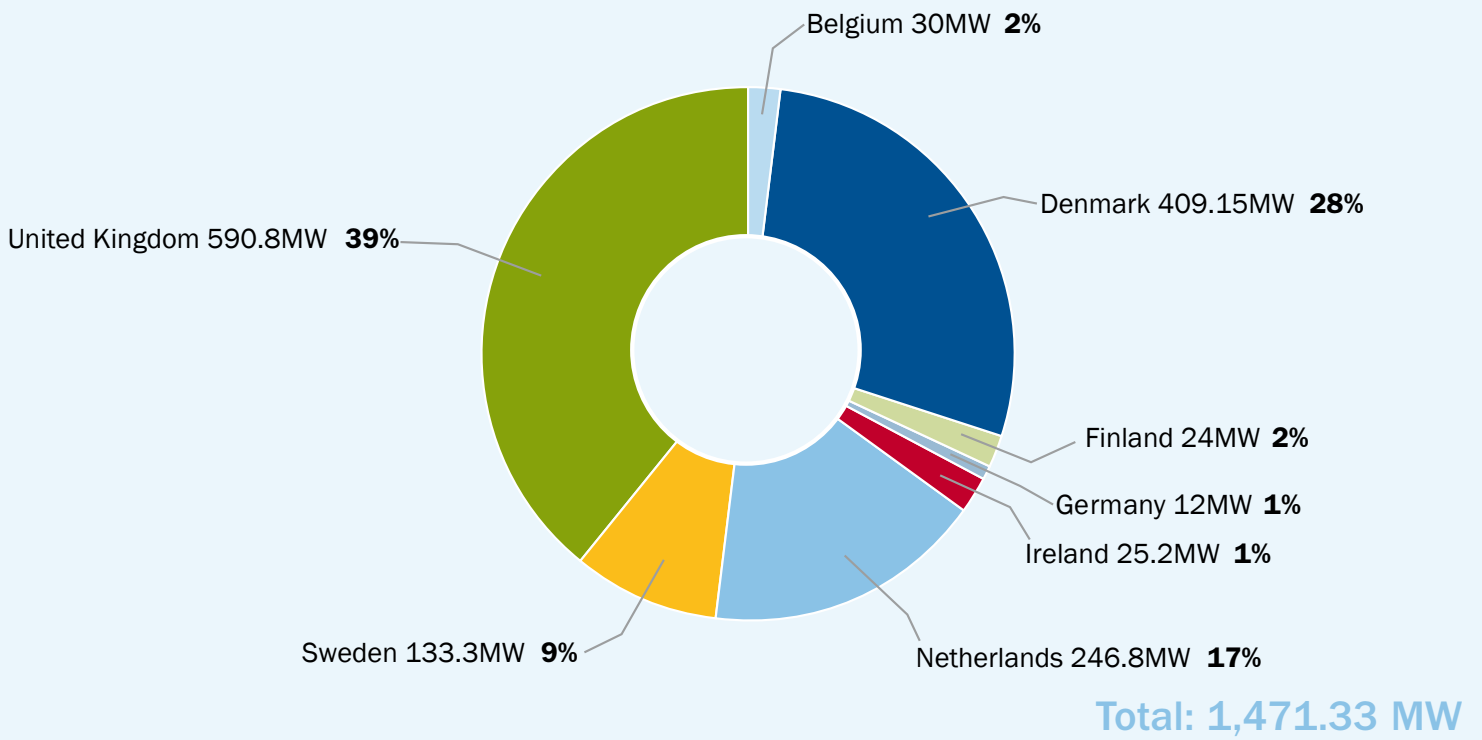
TOTAL 6,773

Poland

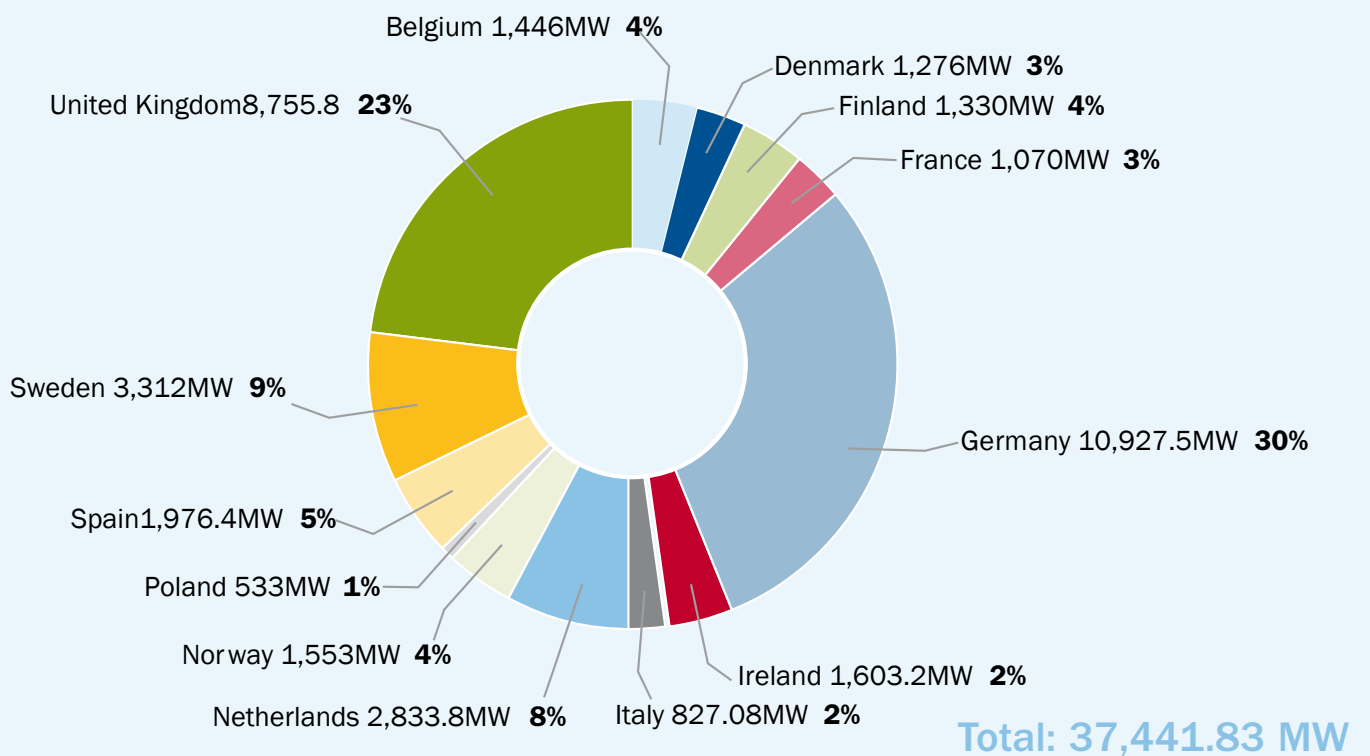
Project	Location	Capacity	N° of Turbines	Water depth(m)	Distance to shore (km)	Online	WT manufacturer
<i>PLANNED 2015</i>							

TOTAL 533

Operational offshore wind farms



Offshore wind farms Planned for 2015



Disclaimer

This document summarises all the offshore wind farms in the EU that are operating, under construction or envisaged to be online by 2015. The latter are projects that have submitted official applications or are in an advanced state of development. Changes or delays could result from supply chain constraints, planning or grid issues and some projects may not reach construction phase. EWEA therefore maintains its target of 35 GW by 2020 in its reference scenario.

See http://www.ewea.org/fileadmin/ewea_documents/documents/00_POLICY_document/PP.pdf

The information presented in this document is correct to the best of EWEA's knowledge and has been compiled by comparing the following sources: Douglas-Westwood Ltd, British Wind Energy Association, Irish Wind Energy Association, Norsk vindkraftforening, Sumoen Tuulivoimayhdistys ry, Vlaamse Wind Energie Associatie, Vindmølleindustrien, EWEA.

