OFFSHORE WIND ENERGY PROJECTS IN THE SOUTH BALTIC

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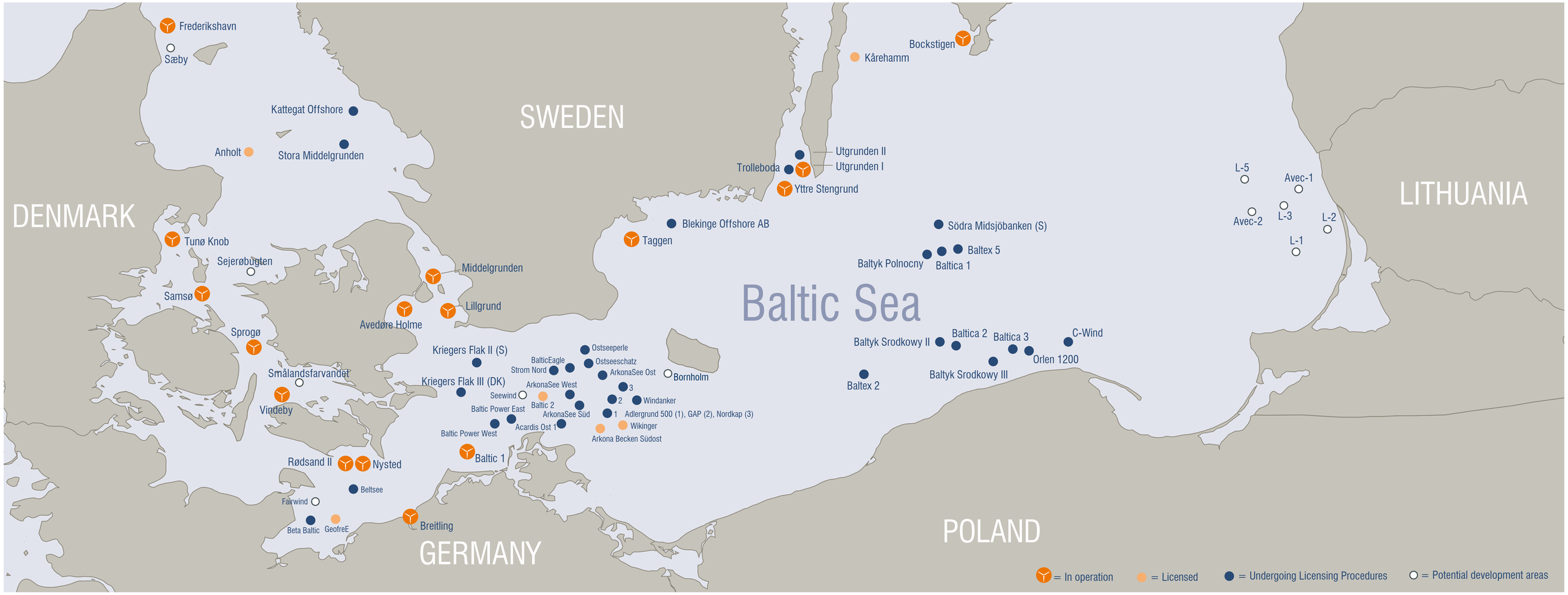

	No.	Project name	In operation	Operator/Developer/Owner	Construction start	Output per WTG (MW)	Number of WTG	Sum output Windfarm (MW)	Distance to nearest coast (km)	Water depth (m)
DENMARK	1	Anholt		DONG Energy	2012	3.6	111	400	1.4	6
	2	Avedøre Holme		DONG Energy	2009	3.6	3	11	1.4	6
	3	Bornholm		Danish Energy Agency		3-5		36	20	10-20
	4	Frederikshavn	•	DONG Energy		2	4	11	3.2	1
	5	Kriegers Flak III		wpd offshore	2015	5	91	455	25	15
	6	Middelgrunden	•	Middelgrunden Wind Turbine Cooperative; E2	2001	2	20	40	4	3
	7	Nysted	•	Dong Energy 42,75%, Stadtwerke Lübeck 7,25%, Pension Denmark 50%	2003	2.3	72	166	8	6–9
	8	Rødsand II	•	E.ON climate and renewables	2010	2.3	90	207	4	10
	9	Sæby		Danish Energy Agency		3-5		83	20	6-18
	10	Samsø	•	E.ON climate and renewables	2002	2.3	10	23	4	11-18
	11	Sejerøbugten		Qlinq I/S Danish Energy Agency		3-5		82	20	8-22
	12	Smålandsfarvandet		Danish Energy Agency		3-5		83	20	2-20
	13	Sprogø	•	Sund & Baelt Holding	2009	3	7	21	10.6	6
	14	Tunø Knob	•	DONG Energy	1995	0.5	10	5	6	4–7
	15	Vindeby	•	DONG Energy	1991	0.45	11	5	1.8	3
SWEDEN	1	Blekinge Offshore AB		Blekinge Offshore AB, Eolus Vind AB, Vingkraft AB	2014	5	500	2500	19.5	4,5
	2	Bockstigen	•	OM 02	1998	0.55	5	3	6	6
	3	Kårehamn		E.ON Schweden	2013	3	16	48	7	7
	4	Kattegat Offshore		Favonius, Göteborg Energi		6	47	282	9	22–28
	5	Kriegers Flak II		Vattenfall/Sweden Offshore Wind (wpd)		5	128		30	15–42
	6	Lillgrund	•	Vattenfall AB, Nordic Generation	2007	2.3	48	110	7	10
	7	Södra Midsjöbanken I		E.ON Climate & Renewables	2017	5	180–230		80	14–40
	8	Stora Middel-grunden		Universal Wind	2015	5	108	540	34	10–36
	9	Taggen		Taggen Vindpark AB (Vattenfall AB 50%, Hanöbukten Offshore AB 50%)	2014	5	60	300	13	12–20
	10	Trolleboda		Vattenfall Europe Windkraft		5	30	150	6	11–22
	11	Utgrunden I	•	Vattenfall Europe Windkraft	2000	1.5	7	11	12	6–15
	12	Utgrunden II		E.ON Climate & Renewables	2013	3.6	24	86	8	4–20
	13	Yttre Stengrund	•	Vattenfall Europe Windkraft	2001	2	5	10	5	6–10

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GERMANY	1	Adlergrund 500		Adlergrund 500					40	34–37
	2	Adlergrund GAP		BEC-Energie Consult					36	36–41
	3	Adlergrund Nordkap		BEC-Energie Consult					36	36–41
	4	Arcadis Ost 1		Arcadis Consult / 40% Nordex		5.3	70	350	17	41–46
	5	Arkona Becken Südost		E.ON/AWE-Arkona-Windpark-Entwicklungs GmbH	2015	3.6	80	288	34	23–36
	6	ArkonaSee Ost		ArkonaSee Ost					40	41
	7	ArkonaSee Süd		ArkonaSee Süd					22	41
	8	ArkonaSee West		ArkonaSee West					26	41–42
	9	Baltic 1	•	EnBW Erneuerbare Energien	2010	2.3	21	48.3	15	16-19
	10	Baltic 2		EnBW Erneuerbare Energien	2013	3.6	80	288	32	29–40
	11	BalticEagle		Windreich			80		30	41–44
	12	Baltic Power East		Windreich			40		33	43–47
	13	Baltic Power West		Windreich			40		32	41–42
	14	Beta Baltic		E.ON Energy Projects		2	50	100	13	21
	15	Beltsee		Plambeck Neue Energien		3.6	76	274	14	23–26
	16	Breitling / Rostock	•	WIND-projekt	Nordex	2.5	1	2.5	0,5	2
	17	Fairwind						195		
	18	GEOFReE		GEO Gesellschaft für Energie und Ökologie	2014	5	5	25	20	21
	19	Ostseeperle		Financial Ensurance GmbH			35			
	20	Ostseeschatz		Financial Ensurance GmbH			45			
	21	Seewind		Iberdrola Renovables Offshore Deutschland		3.6-6	25	90-150	31	40-46
	22	Strom-Nord		Iberdrola Renovables Offshore Deutschland		6	45	270	30	43–45
	23	Wikinger		Iberdrola Renovables Offshore Deutschland	2015	5.0	80	400	35	29–41
	24	Windanker		Iberdrola Renovables Offshore Deutschland		6	57	342	42	41–48

	No.	Project name	Operator/Developer/Owner	Number of WTG	Sum output Windfarm (MW)	Distance to nearest coast (km)	Water depth (m)
POLAND	1	Baltex 2	Baltex-Power		appr. 800	46	40–70
	2	Baltex 5	Baltex-Power		appr. 1200	79	40–70
	3	Baltica 1	PGE - Polska Grupa Energetyczna S.A.		appr. 900	77	20–40
	4	Baltica 2	PGE - Polska Grupa Energetyczna S.A.		appr. 1500	31	20–50
	5	Baltica 3	PGE - Polska Grupa Energetyczna S.A.		appr. 1050	25	30–50
	6	Baltyk Polnocny	Polenergia (Kulczyk Investments)		appr. 1500	79	20–40
	7	Baltyk Srodkowy II	Polenergia (Kulczyk Investments)		appr. 1200	36	20–40
	8	Baltyk Srodkowy III	Polenergia (Kulczyk Investments)		appr. 1200	22	20–40
	9	C-Wind	DEME Group		appr. 200	23	30–50
	10	Orlen 1200	ORLEN		appr. 1200	23	30–50
LITHUANIA	1	Avec-1		140-112	195	5-15	20–30
	2	Avec-2		78-62	195	83-97	50
	3	L-1		281-224	80	2.4-45	20–50
	4	L-2		87-69	150	2.5-25	20–40
	5	L-3		79-63	75	15-26	30–40
	6	L-5		845-671	545	25-59	20–50

MW = megawatts WTG = wind turbine generator

More information

Denmark	**Offshore Center Danmark** – www.offshorecenter.dk
Sweden	**Swedish Ministry of Enterprise, Energy and Communication** **Wind Power Coordinators** – www.regeringen.se/sb/d/2448/a/67186
Germany	**German Offshore Wind Energy Foundation** – www.offshore-stiftung.com **Wind Energy Network e.V.** – www.wind-energy-network.de
Poland	**Polish Offshore Wind Energy Society** – www.ptmew.pl/en/home.php
Lithuania	**Lithuanian Wind Energy Association** – http://www.lwea.lt/portal/index.php?lang=en **Coastal Research and Planning Institute – Klaipeda University** – http://corpi.ku.lt/

wab windenergie agentur The overview has been created and amended on the basis of the map **„Baltic Sea Offshore Wind Energy Projects“** (WAB e.V, 2013, http://www.wab.net/images/stories/PDF/offshore/WAB_OFFSHORE_Map_BALTICSEA_2013web.pdf) and with information provided by 4C Offshore, http://www.4coffshore.com/

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