



European Regional Development Fund

EUROPEAN UNION

OFFSHORE wind energy



THE NETHERLANDS

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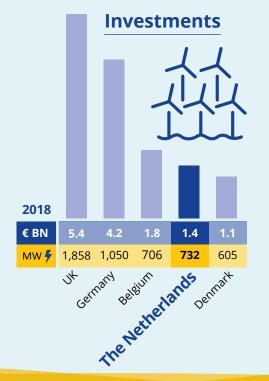
No.	Name	MW	Turbines
1	Borssele 1 and 2	752	94
2	Borssele 3 and 4	731.5	77
3	Borssele 5	19	2
4	Hollandse Kust Zuid Holland I and II	700	70
5	Hollandse Kust Zuid Holland III and IV	700	70
6	Eneco Luchterduinen	129	43
7	Hollandse Kust Noord	700	58-126
8	Egmond aan Zee	108	36
9	Prinses Amalia	120	60
10	Gemini	600	150

OFFSHORE WIND FARMS





	2018
Wind farms connected	6
Cumulative capacity (MW)	1,118
Turbines connected	365
Net capacity connected in 2018 (MW)	0
Turbines connected in 2018	1
Total investments (€ BN)	1.4
New capacity financed (MW)	732
Number of projects	1





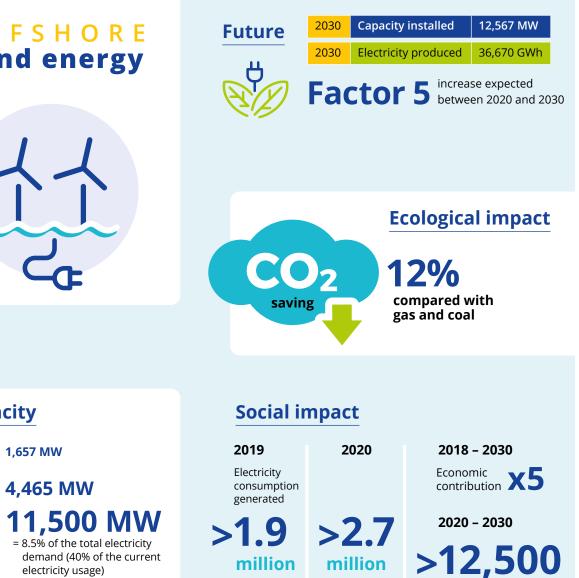
Capacity

2023

4

2019 1,657 MW





households

households

iobs





The Dutch North Sea offers opportunities for the energy transition due to its relatively low water depth, favorable wind climate and the proximity of good ports and (industrial) energy consumers.

Minister Wiebes (in Vervolgroutekaart wind op zee 2024-2030)

Traditionally, some Dutch companies were strong in the dredging and marine contracting industries and have adapted well to the changing demand in sea-bed preparation and offshore wind farm construction, installation and servicing worldwide.

Compared to local (domestic) demand, the Netherlands have a relatively vast area with potential for offshore wind development. The current installed capacity accounts for 1.7 GW, catering for approximately 1.9 million households' consumption.

Future development will be targeting export as well, for which further enhancement of the onshore grid will be necessary. To increase the pace of development over the coming years, some policy updates may be desirable, reducing the number of 'exclusion zones' that cover areas with a potential to produce at a very low Levelized Cost of Energy.

Over the past years, several Dutch coastal areas have developed strong activities in the offshore wind service industry, and dedicated port hubs are by now well established at Flushing, Den Helder, and Eemshaven, where offshore wind industry has become one of the primary drivers of the local economy. Years of experience and fully developed nautical facilities for storage, service and maintenance make these harbours play a pivotal role in the offshore wind operations and maintenance for the next few decades. These areas attract enterprises, leveraging local know-how to innovate processes and practices, and constitute a unique ecosystem.

Inn2POWER partners

- Province of Groningen
- NOM, Investment and Development agency for the Northern Netherlands





Inn2POWER started in October 2016 and runs for 4 years. 50% of the budget is subsidized by the EU and the other half comes from public and private financing. More information about Inn2POWER: visit northsearegion.eu/inn2power



Sources

www.windeurope.org www.oedigital.com/news/466525-offshore-wind-farms-boom-in-netherlands

www.4coffshore.com/offshorewind

www.rvo.nl/subsidies-regelingen/stimulering-duurzame-energieproductie/categorie%C3%ABn/windenergie-op-zee Central scenario EWEA (Aug 2015)



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