



About Kriegers Flak

A wind farm with 72 turbines and a total capacity to cover the electricity consumption of approximately 600,000 Danish households.

Kriegers Flak has a production capacity of 604 MW, making it Denmark's, Scandinavia's and Vattenfall's largest wind farm in operation to date. The wind farm is located 15 to 40 kilometres off the Danish coast in a 132 km² area in the Baltic Sea and is expected to increase the Danish annual electricity production from wind turbines by approximately 16 per cent.

In 2016 Vattenfall won the right to construct Kriegers Flak with a bid of 0.372 DKK per kWh, making it one of the lowest prices on offshore wind power so far. This will notably benefit both private consumers and businesses. In February 2021 the first turbine was installed and less than six months later the last and 72nd turbine was installed.

With Kriegers Flak a milestone for a fossil-free power supply has been accomplished. For the first time ever, an offshore power grid connects two wind farms located in two countries and thereby allows fossil-free power to be shared between two countries - Denmark and Germany.

Less than 30 kilometers southeast of Kriegers Flak the German wind farm Baltic II is located and the two wind farms are interconnected, which is part of the Combined Grid Solution project.

The 72 turbines are manufactured by Siemens Gamesa Renewable Energy and have been shipped out to the wind farm from the Port of Rønne. The wind farm will be serviced from Vattenfall's new service facilities in the Port of Klintholm on the island of Møn.

In the summer of 2019, Horns Rev 3 wind farm in the North Sea was inaugurated. At that time, it was Denmark's and Vattenfall's largest wind farm. Kriegers Flak's capacity is approximately 40 per cent larger than Horns Rev 3. Hence the inauguration of Kriegers Flak marks Vattenfall's position as the biggest provider of offshore wind power in Denmark with a total capacity in operation of more than 1,100 MW. With Kriegers Flak Vattenfall thereby takes another giant leap into the fossil-free future and continuously contributes to Denmark's climate targets.

Facts

Kriegers Flak

Number of wind turbines	72
Total capacity	604.8 MW
Expected annual production/households' consumption	600,000
Total height including blades	Approx. 188 m
Blade length/blade diameter (rotor)	81.4 m/ 167 m
Turbine type	Siemens Gamesa SWT-8.4-167
Total weight per turbine	907 tonnes
Weight of foundation	500 - 800 tonnes
Start-up wind speed for electricity generation	3-5 m/sec.
Full production reached at	12-14 m/sec.
Max. (cut-out) wind speed	25 m/sec.
Wind farm area	132 km ²

Contact

Julie Osias
Press Officer
M +45 60 13 24 29
E julie.osias@vattenfall.com
Find more information at www.vattenfall.dk

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