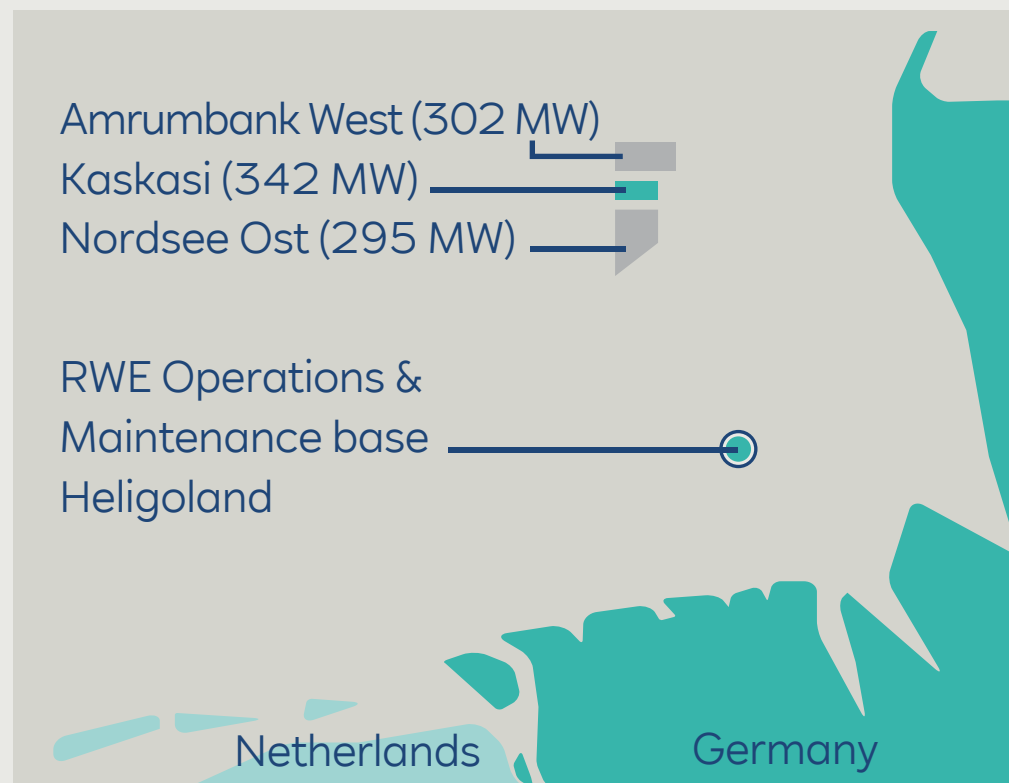


RWE

Delivering more green electricity to help reach climate targets. With Kaskasi RWE operates its sixth wind farm off the German coast.



38 turbines
each with a capacity of up to 9 MW (Type: SG 8.0-167 DD Flex)

Hub height
107.5 m

Each blade is 81 meters long

Total height
191 m



RWE tests world's first recyclable blade at a selected number of wind turbines.

342 MW installed capacity

=^ expected to generate enough electricity for more than 400,000 households annually



The power the Kaskasi wind farm generates could supply all households in a large city like Frankfurt am Main.

Rotor surface: ~21,000 m² swept area equal to the size of approx. three soccer pitches (Ø 167 m)

Foundations for the wind turbines weigh up to **740 tonnes** – approximately equivalent to 600 small cars.



Location

35 kilometres north of the island of Heligoland



Start of offshore construction

March 2022



RWE Project Team and Workforce

Up to 100 people as well as further staff employed by several contractors



Commissioning

End of 2022



Operational lifetime

25 years

Water depth

18 to 25 meters

Foundations

Monopiles up to 64 metres long. Improved installation method on selected locations. Vibro pile driving has the potential for significantly reducing underwater noise emissions. This benefits the marine environment in particular.

Innovations

Special collars and self-expanding pile shoes installed at selected foundations.

Substation topside

40 metres high, 25 metres wide and weighs around 1,400 tonnes