

# HelWin2

130-kilometre-long and 690-megawatt-strong direct current connection



## Cable length

85 km submarine cable  
and 45 km land cable



## Grid connection point

Converter station  
Büttel

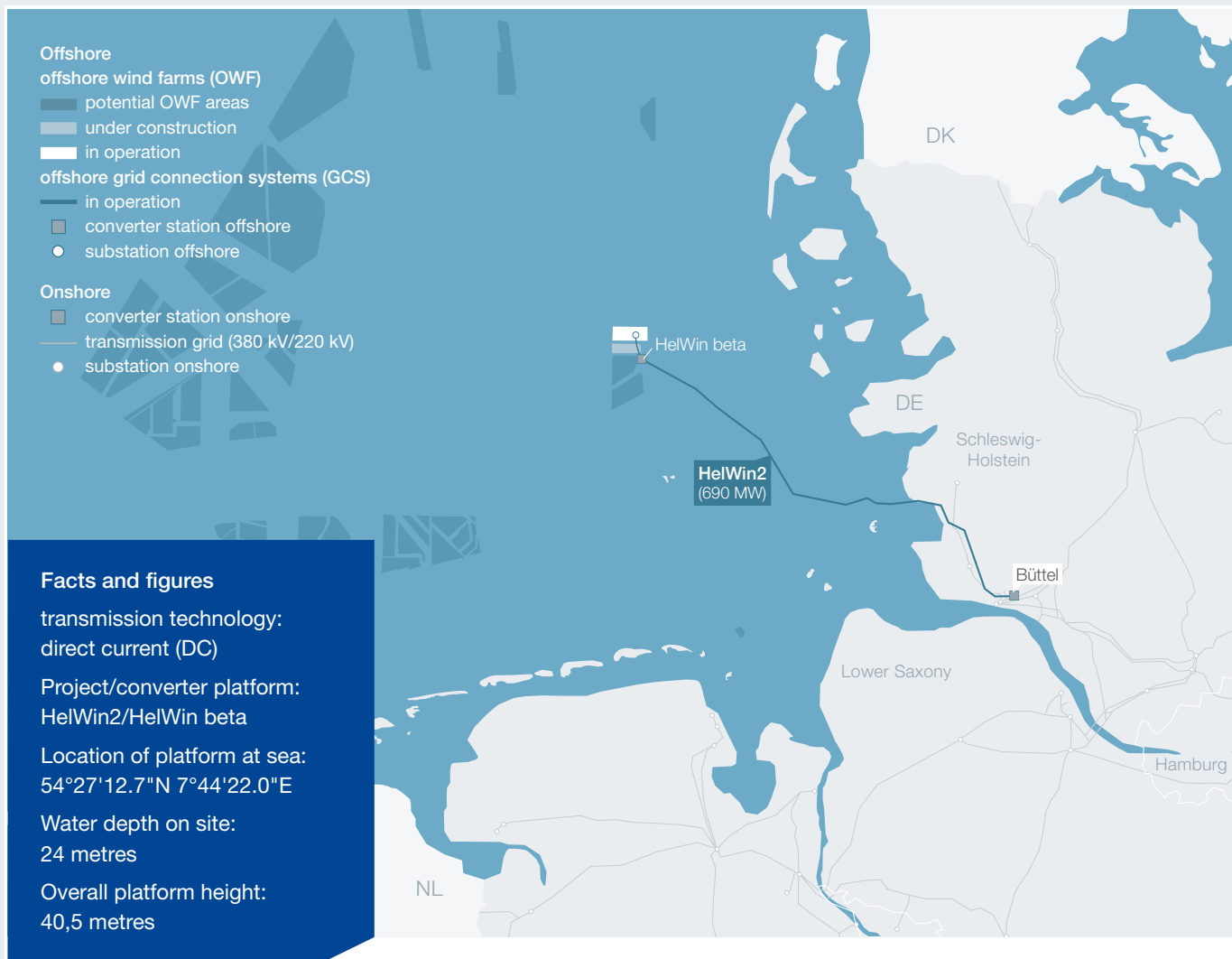


## Status of project

In operation  
since June 2015



Photo: Offshore converter platform HelWin alpha



### About the project

HelWin2 is a high-voltage direct current transmission system with a capacity of 690 megawatt. This project is the third connection of TenneT in the eastern North Sea.

The line runs from the HelWin beta converter station 85 kilometres as submarine cable to the landing point in Büsum and from there 45 kilometres as underground cable to the converter station in Büttel in Schleswig-Holstein.

The offshore converter platform HelWin beta is a subsidiary

platform of HelWin alpha, the heart of the grid Connection HelWin1.

There are only about 20 metres between the two platforms. Both platforms are directly connected by a bridge. This means that the helicopter deck and the crew accommodation can be shared for the employees at sea. This is an innovative and cost-saving concept because it makes use of technical and logistical synergies.

TenneT is a leading European grid operator committed to a secure and reliable electricity supply - 24 hours a day, 365 days a year. We are shaping the energy transition for a sustainable energy future. As the first cross-border transmission system operator, we plan, build and operate an almost 24,500 kilometres long high and extra-high voltage grid in the Netherlands and Germany and are one of the largest investors in national and international electricity grids, on land and at sea. Every day, our 6,600 employees give their best and ensure with responsibility, courage and networking that more than 42 million end consumers can rely on a stable electricity supply.

**Lighting the way ahead together**

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