



German system operator 50Hertz (Elia Group) signs MoU with Belgian offshore wind developer Parkwind to build transformer substation in the Baltic Sea

50Hertz, the German subsidiary of system operator Elia, and Belgian company Parkwind have signed a Memorandum of Understanding (MoU) on establishing a more efficient connection between the new Arcadis Ost 1 wind farm in the Baltic Sea and the German high-voltage grid. To achieve this, in what will be Parkwind's first project in Germany, it will team up with 50Hertz to build an offshore transformer platform in the Baltic.

The Arcadis Ost 1 wind farm (247 MW) will be constructed in the German part of the Baltic, 19 km northeast of the island of Rügen, and will generate green electricity covering the annual consumption of over 290,000 households.

System operator 50Hertz has signed an MoU with a view to efficiently connecting the wind farm to the German high-voltage grid. This MoU sets out the details of the development, construction and operation of a jointly managed offshore platform, which will efficiently and safely transmit electricity generated offshore to the mainland. The transformer substation will convert the power generated by the wind turbines (33 kV) to 220 kV before bringing this onshore via a subsea cable to the 50Hertz high-voltage substation in Lubmin.

Thanks to our close cooperation, we can roll out this project as efficiently as possible. Building this platform also limits the impact on the environment and the surroundings.



Dr Henrich Quick, Head of Offshore Projects at 50Hertz

Although this is Parkwind's first project in Germany, it already has experience working with the Elia Group in Belgium. A standout example of this is the electricity generated by the new Northwester 2 wind farm (219 MW) constructed by Parkwind, which Elia will be bringing to the mainland via the new Modular Offshore Grid (MOG) as of 2020. To this end, the wind farm will be connected to the MOG, the 'North Sea power hub' which was officially commissioned this month. The switching platform 40 km off the Belgian coast bundles the export cables from four wind farms in the Belgian North Sea and connects them to the mainland.

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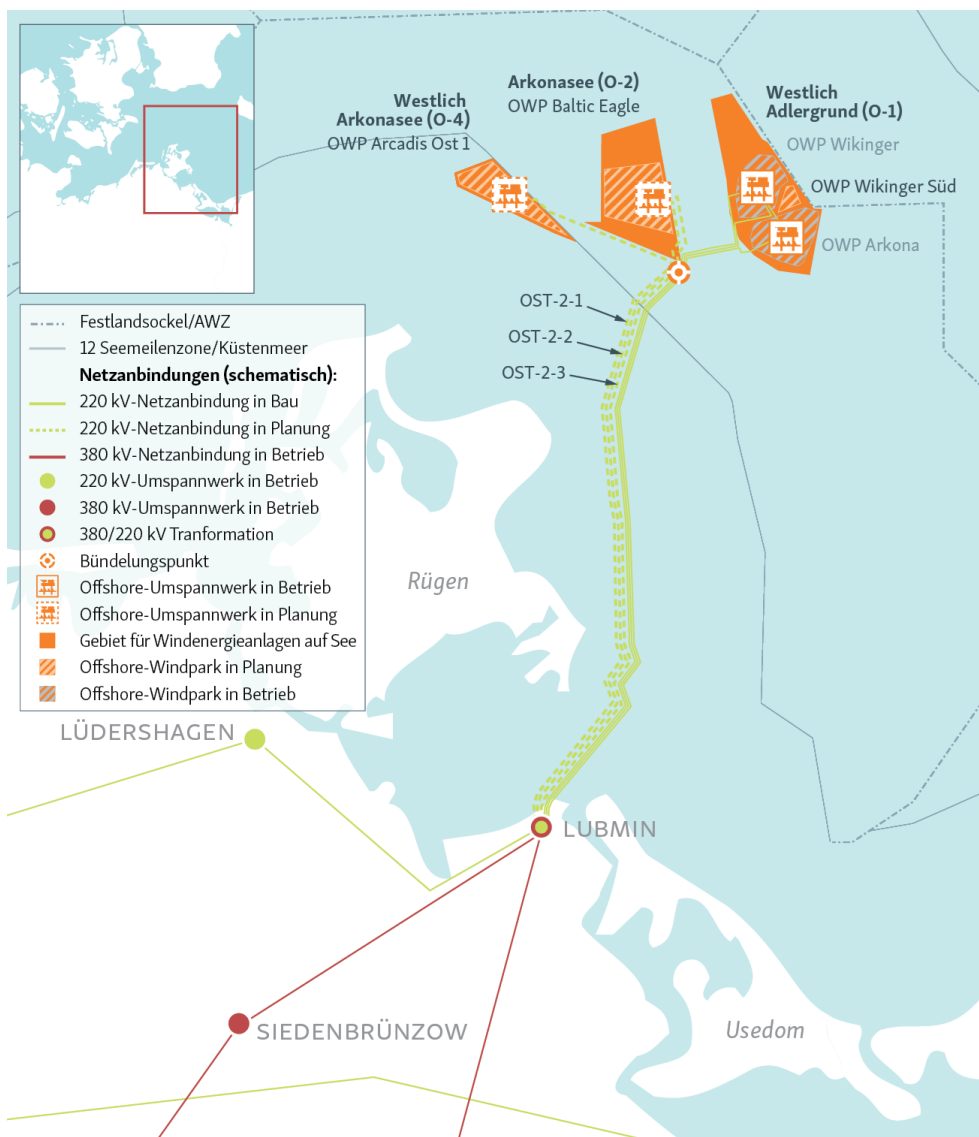
After a successful partnership with Elia on offshore wind projects in Belgium, we are proud to bring our joined experience and expertise to the Baltic Sea with 50HZ



François Van Leeuw, CEO Parkwind

You can find more information about the project here:

<https://www.50hertz.com/en/Grid/Griddevelopment/Offshoreprojects/Ostwind2>



About Elia Group

One of Europe's top five players

Elia Group is active in electricity transmission. We ensure that generation and consumption are balanced around the clock, supplying 30 million end users with electricity. With subsidiaries in Belgium (Elia) and north-east Germany (50Hertz), we operate 18,990 km of high-voltage connections. As such, our group is one of Europe's top 5. With a reliability level of 99.999%, we give society a robust power grid, which is important for socio-economic prosperity. We also aspire to be a catalyst for a successful energy transition towards a reliable, sustainable and affordable energy system.

We make the energy transition happen

By expanding international high-voltage connections and integrating ever-increasing amounts of renewable energy generation, Elia Group promotes both the integration of the European energy market and the decarbonisation of our society. At the same time, Elia Group is innovating its operational systems and developing market products so that new technologies and market parties can access our grid, thus making the energy transition happen.

In the interest of society

As a key player in the energy system, Elia Group is committed to working in the interest of society. We respond to the rapidly changing energy mix, i.e. the increase in renewable energy, and constantly adapt our transmission grid. We also ensure that investments are made on time and within budget, with a maximum focus on safety. When we carry out our projects, we manage stakeholders proactively by establishing two-way communication with all affected parties very early on in the development process. We also offer our expertise to our sector and relevant authorities to build the energy system of the future.

International focus

In addition to its activities as a transmission system operator, Elia Group provides various consulting services to international customers through its subsidiary Elia Grid International (EGI). Elia is also part of the Nemo Link consortium that has built the first sub-sea electrical interconnector between Belgium and the UK.

The Group operates under the legal entity Elia System Operator, a listed company whose core shareholder is the municipal holding company Publi-T.

More information: eliagroup.eu

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