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The German Core Network: Kickoff for the European Hydrogen Market

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Current version of the German Core Network

- Connection of central hydrogen locations throughout Germany
- Essential infrastructures, to be put into operation by 2032
- 309 projects were considered in the scenario, giving the network a total length of roughly 9,700 km.
- Entry capacity: 101 GW
- Exit capacity: 87 GW
- The final plan is to be examined and approved by the German Federal Network Agency (BNetzA) in Q2 2024

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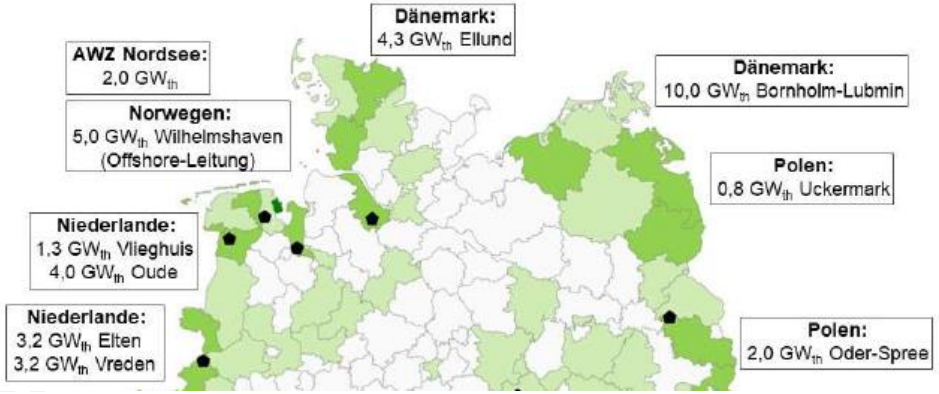
Import capacities based on the Core Network (Northern Germany)

The modelling of the import capacities was based on the following political criteria:

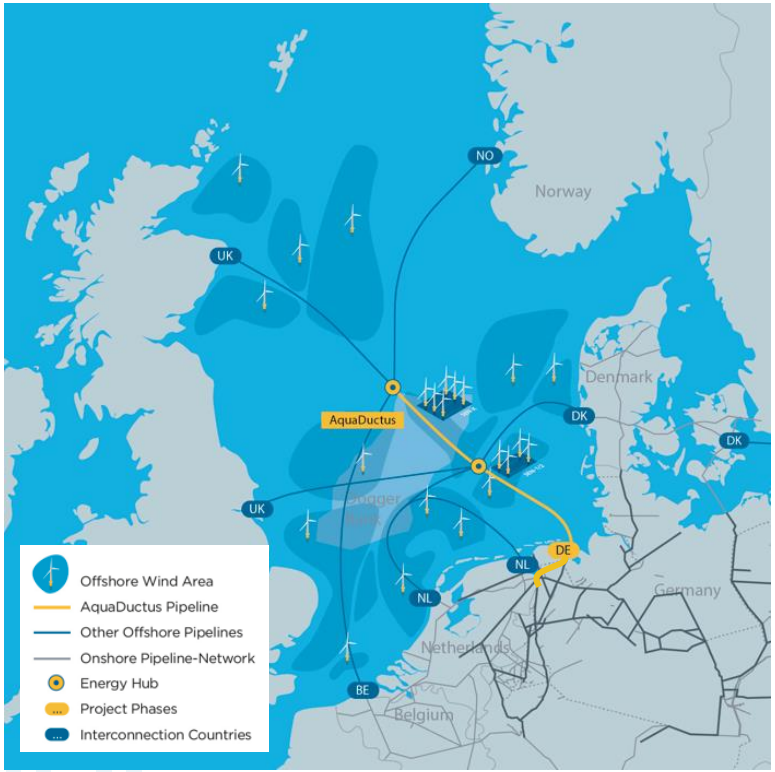
- IPCEI and PCI projects
- Projects for integration into a European hydrogen network
- Import points
- Projects that can be assigned to specific industrial sectors (including iron and steel, chemicals, refineries, glass industry, ceramics)
- Large Combined Heat & Power plants (CHP)
- Hydrogen storage projects
- Electrolysers



1 AquaDuctus: First Section

Connection of Hydrogen-Windpark SEN-1

- 200 km offshore pipeline from SEN-1 area (located in German EEZ) to German landfall in the area of Wilhelmshaven
- SEN-1 Production capacity: 1 GW
- Supply of offshore hydrogen to onshore-hydrogen infrastructure and transfer to downstream consumers

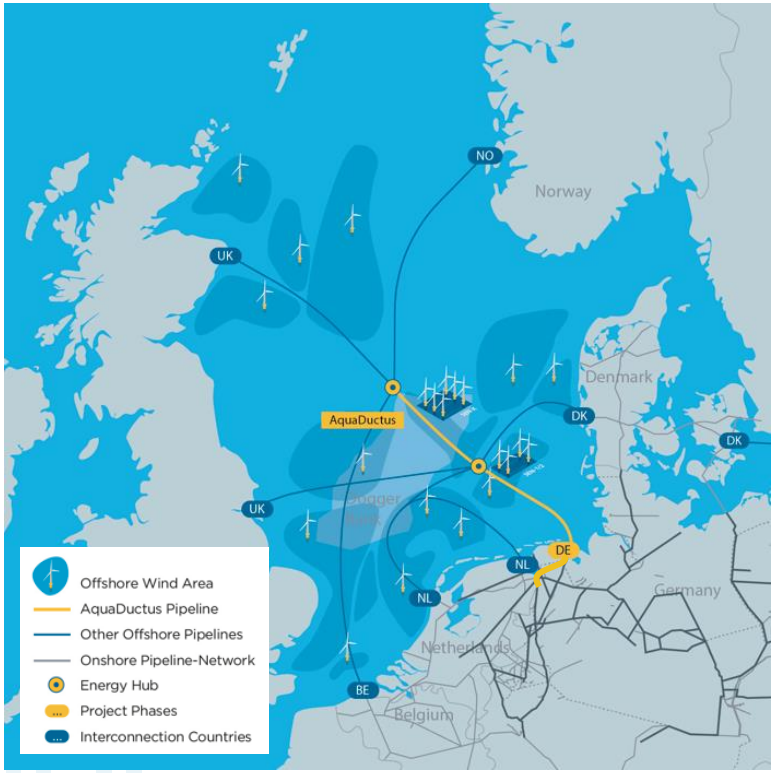


AquaDuctus

2 AquaDuctus: Second Section

Connection to edge of German EEZ

- 200 km pipeline extension from SEN-1 to the edge of German EEZ
- Tie-ins of future hydrogen-windparks located in zones 4 and 5 of German EEZ
- Connection of adjacent offshore pipelines, e.g. from Norway, UK, Denmark, Netherlands and Belgium
- Basis for a flexible and scalable hydrogen infrastructure for North-West Europe



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