

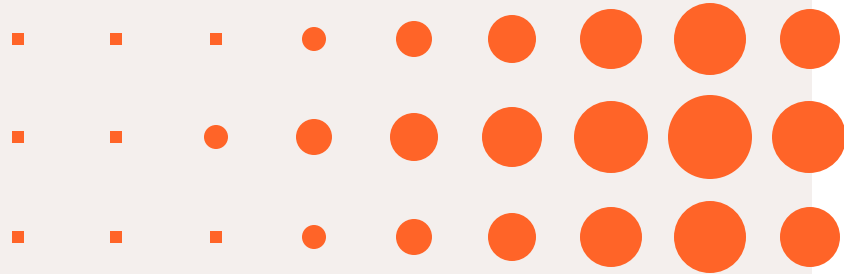
We are TenneT Eemshaven

Carolien Fischer



Safety measures

Together, we provide a safe working environment where we learn from mistakes and where sharing ideas, concerns and questions is natural.



We would like to draw your attention to safety measures in case of evacuation of your workplace.



Follow the indicated escape route



Use the stairs instead of the lift



Go to the collection point



Follow instructions of the company emergency worker

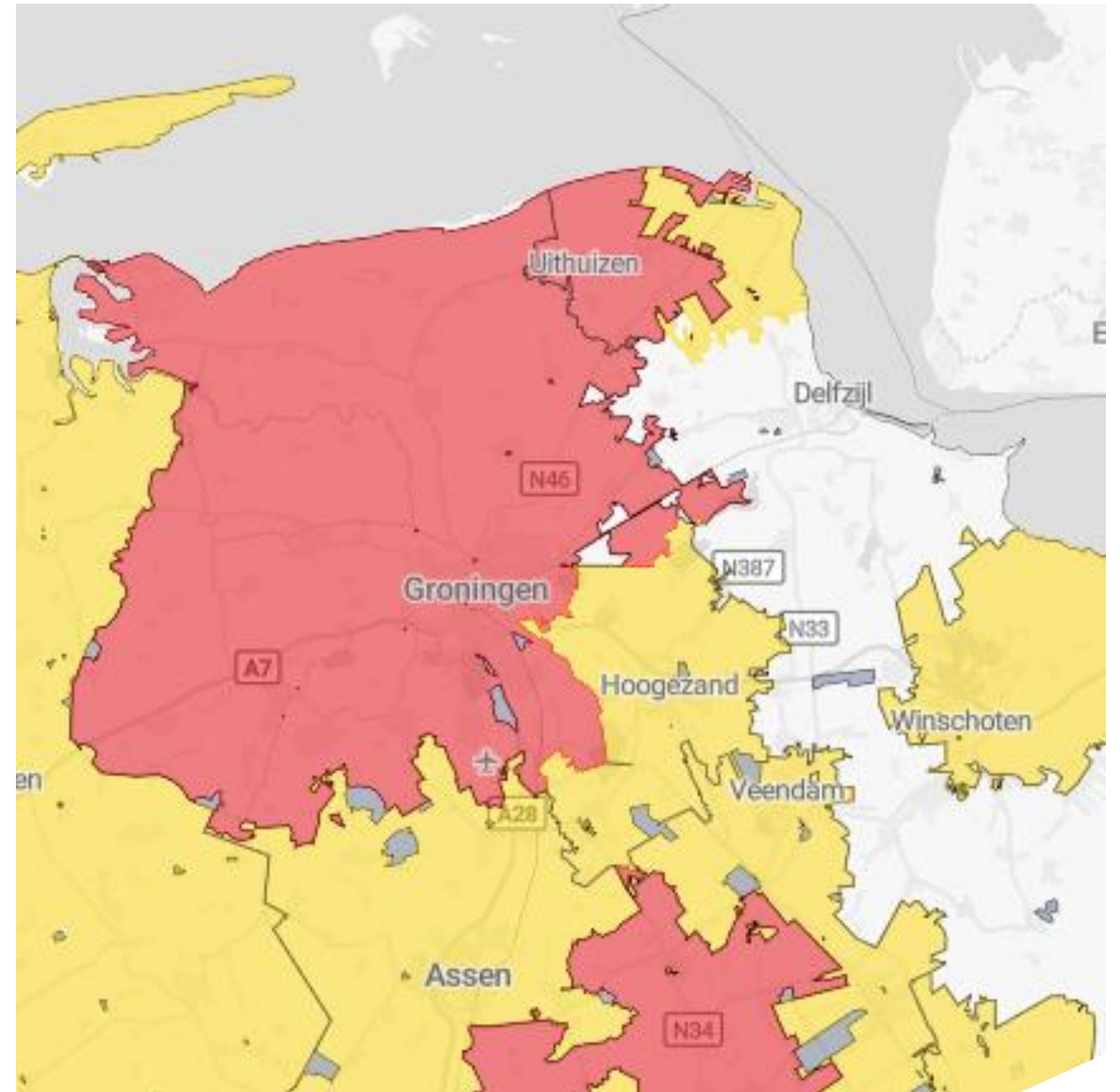
At TenneT, we transmit electricity to **18 million** end-users in the Netherlands.

We work 24/7 to ensure a reliable, safe electricity supply for consumers and businesses.

Electricity grid congestion

Energy transition and economic growth require more and more capacity from the electricity grid.

Demand is now higher than the electricity grids can handle. Resulting in overloaded networks. This is known as **grid congestion**.



High Voltage in Groningen

Building a Future-Oriented Energy System

The Province of Groningen is seeking a balance between:

- Realizing a sustainable energy system for future-oriented industry, broad prosperity and employment for the people of Groningen, while preserving the unique Groningen landscape;
- Preserving the Groningen landscape; according to the current provincial authorities, this leaves no room for new above-ground energy infrastructure;
- Creating a new perspective for Groningen and its residents | the consequences of 60 years of gas extraction have left deep marks on the province;
- Groningen aims to be the first province to phase out natural gas;
- The Province of Groningen is an energy hub, with electricity interconnections to and from the rest of the Netherlands, Germany, Norway and Denmark.

Groningen



Verbinding

- 380 kV-verbinding
- 220 kV-verbinding
- 110 kV-verbinding
- Onshore verbinding

- Verbinding in aanbouw/planning
- Amoveren verbinding

Werkzaamheden

- Nieuwbouw
- Uitbreiding
- Vervangen station
- Nieuwe verbinding
- Lijnverzwaring
- Ondergrondse kabelverbinding

Projectfase

- Realisatie
- Vorbereiding
- Studie
- Bestaande hoogspanningsstations TenneT
- Schakel- en/of transformatorstations klant



Eemshaven Oospolder 380/110 kV



Wind Energy Area Doordewind

Location: approximately 88 km north of
Schiermonnikoog

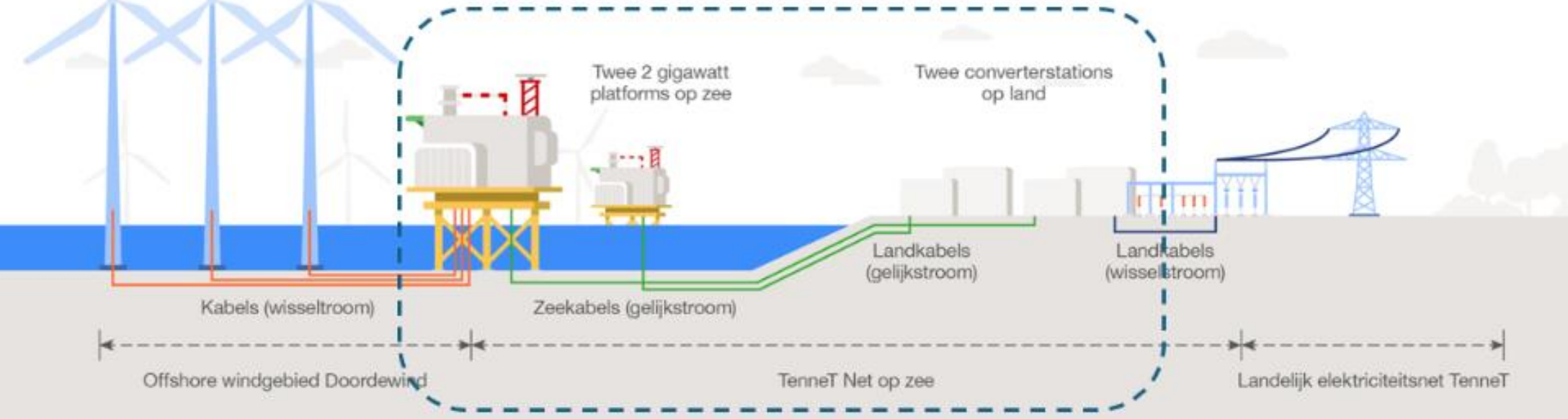
Area: about 565 km² Capacity: a total of 4
gigawatts

Who is building the wind farms? Companies
selected by the government

Who is responsible for the connection? TenneT
(Net op Zee Doordewind project)



2 × 2 gigawatt wind farm connections = Doordewind



Two platforms in the North Sea



Underground cables



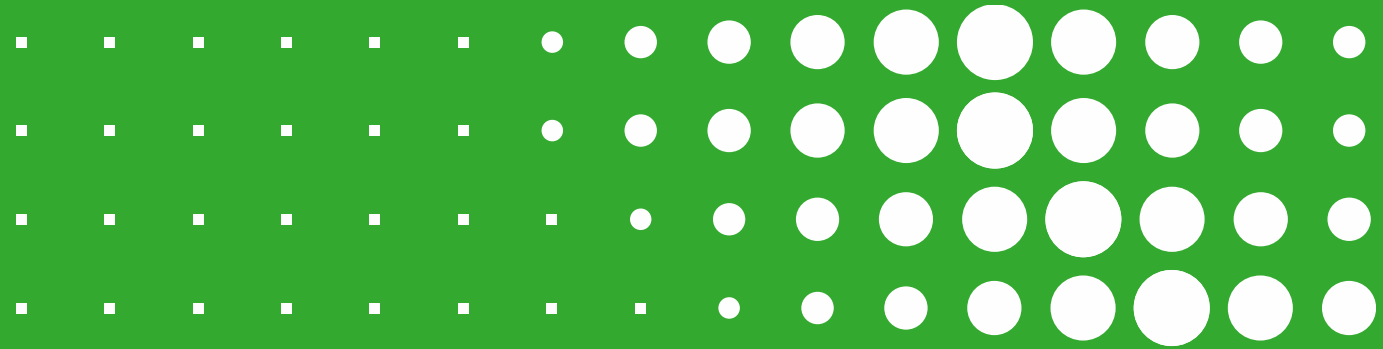
Two converter stations in Eemshaven



Lighting the way ahead together.



TenneT is a leading European grid operator. We are committed to providing a secure and reliable supply of electricity 24 hours a day, 365 days a year, while helping to drive the energy transition in our pursuit of a brighter energy future – more sustainable, reliable and affordable. In our role as cross-border Transmission System Operator (TSO) we design, build, maintain and operate over 25,000 kilometres of high-voltage electricity grid in the Netherlands and large parts of Germany, and facilitate the European energy market through our 17 interconnectors to neighbouring countries. We are one of the largest investors in national and international onshore and offshore electricity grids, with an underlying revenue of EUR 8.4 billion and a total underlying asset value of EUR 55 billion. Every day our 9,700 people are highly motivated to ensure that the supply and demand of electricity is balanced and always available for over 43 million people.



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