

NL

Netherlands

Excelling in Hydrogen

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Hydrogen in The Netherlands

- **Dutch Climate Policy**: reduce greenhouse gas emissions by 49% by 2030, and carbon neutrality by 2050.
- Energy transition is a top priority: a **Hydrogen strategy** to boost production and use of low-carbon hydrogen.
- Excellent position for a renewable or low-carbon **Hydrogen Economy**, thanks to North Sea offshore wind farms, natural gas pipelines and inland infrastructure.
- NL houses Europe's first '**Hydrogen Valley**' after receiving European funding in 2019.



Fact and Figures



9 million m³

Europe's 2nd largest hydrogen producer.

Annual production: more than 9 million m³ of (fossil-based) hydrogen.



4 GW / 2030

4 GW of electrolyser capacity by 2023 (10% of the total EU target).

The Northern Netherlands aims for annual production of 65 PJ of clean hydrogen by 2030.



11 GW / 2030

Planned Offshore Wind projects of the North Sea add up to 11 GW by 2030.

Sufficient space for a further scale-up to 20-40 GW.



136,000 km

Over 1,000 km of dedicated hydrogen pipeline in NL.

136,000 km of natural gas pipelines can be used to transport hydrogen at acceptable cost by 2027.



Strategic location at the heart of the European hydrogen infrastructure proposed by 11 European grid operators.

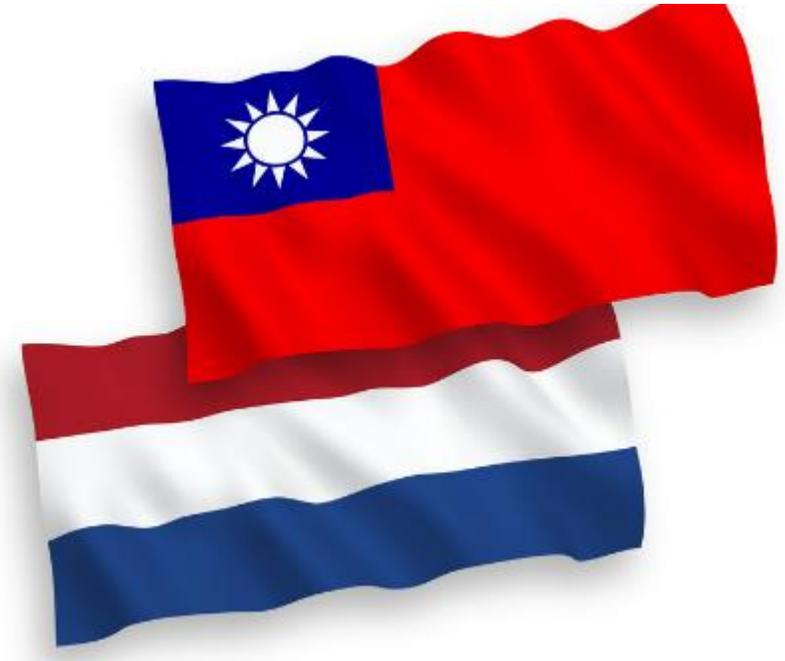
Government Strategy on Hydrogen

- With the Hydrogen Strategy, the Dutch government underlines the importance of the development of clean hydrogen and the unique starting position of the Netherlands.
- NL approach is driven by climate policies and commitment. Its scope takes in the entire value chain and an active international strategy.
- Policy agenda focus on market conditions & cost reduction with 4 pillars:
 1. Legislation and regulation
 2. Cost reduction and scaling up green hydrogen
 3. Sustainability of final consumption
 4. International strategy
- Implementation: Hydrogen Roadmap for the Netherlands



Five benefits of doing business with the Dutch

- Creating international partnerships is essential to stimulate the global hydrogen economy
- Why working together with the Netherlands?
 1. Quality and reliability
 2. An international outlook
 3. High-tech excellence
 4. Joint innovation
 5. Easy access to specialist expertise





UNIQUE SELLING POINTS

The Netherlands



Efficient logistics services empowered by **innovation and collaboration**



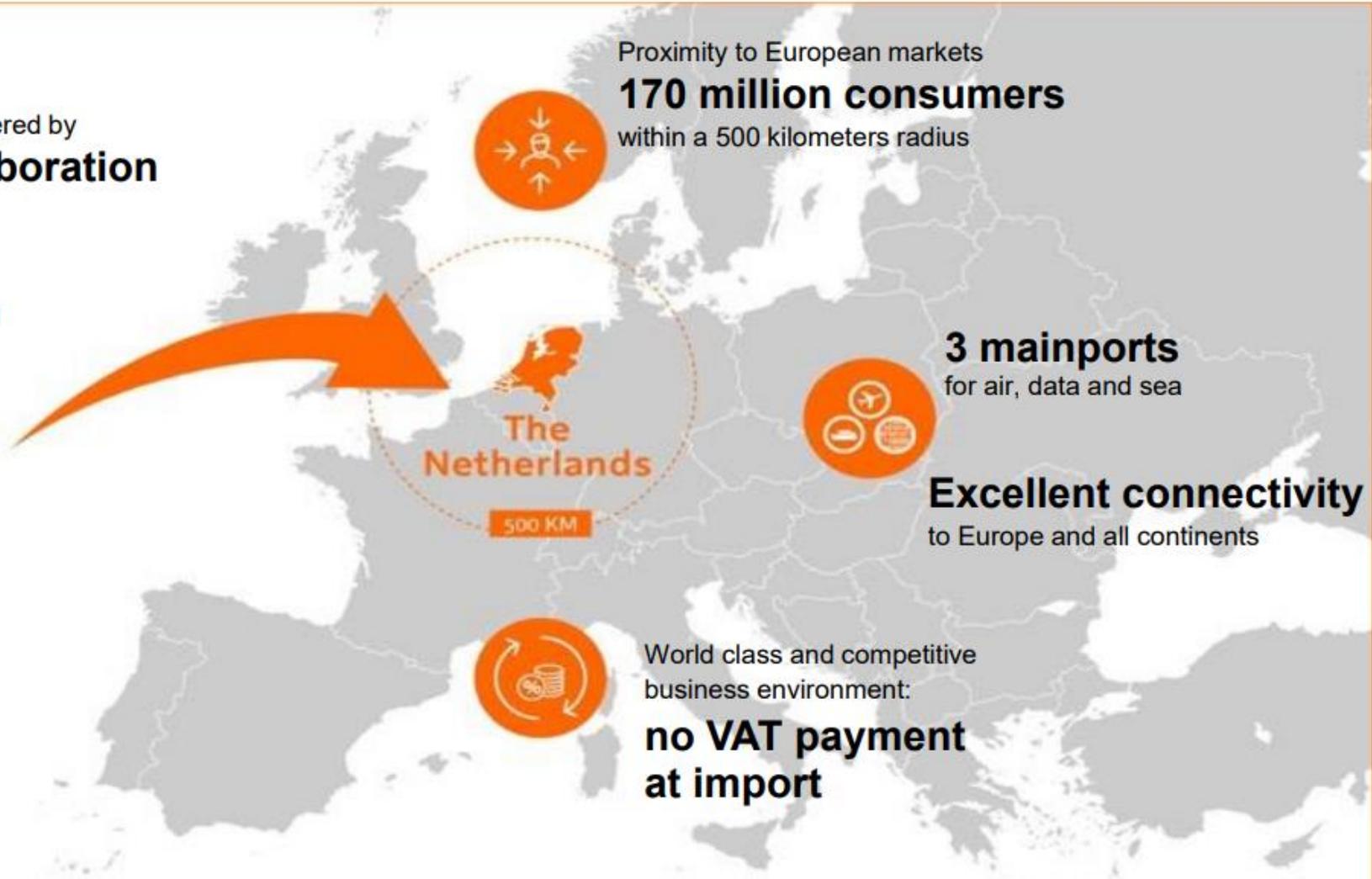
#2 producer of green hydrogen in Europe



Strong logistics sector
#1 logistics hub in Europe



Competitive cost
for labor, real estate and transport



Proximity to European markets

170 million consumers
within a 500 kilometers radius



3 mainports
for air, data and sea



Excellent connectivity
to Europe and all continents

World class and competitive
business environment:

**no VAT payment
at import**



Solving global challenges together

Let's partner up!