Public Presentation of Country Update:

The Netherlands

Position of The Netherlands

Characteristics of the Netherlands, focusing on early market development:

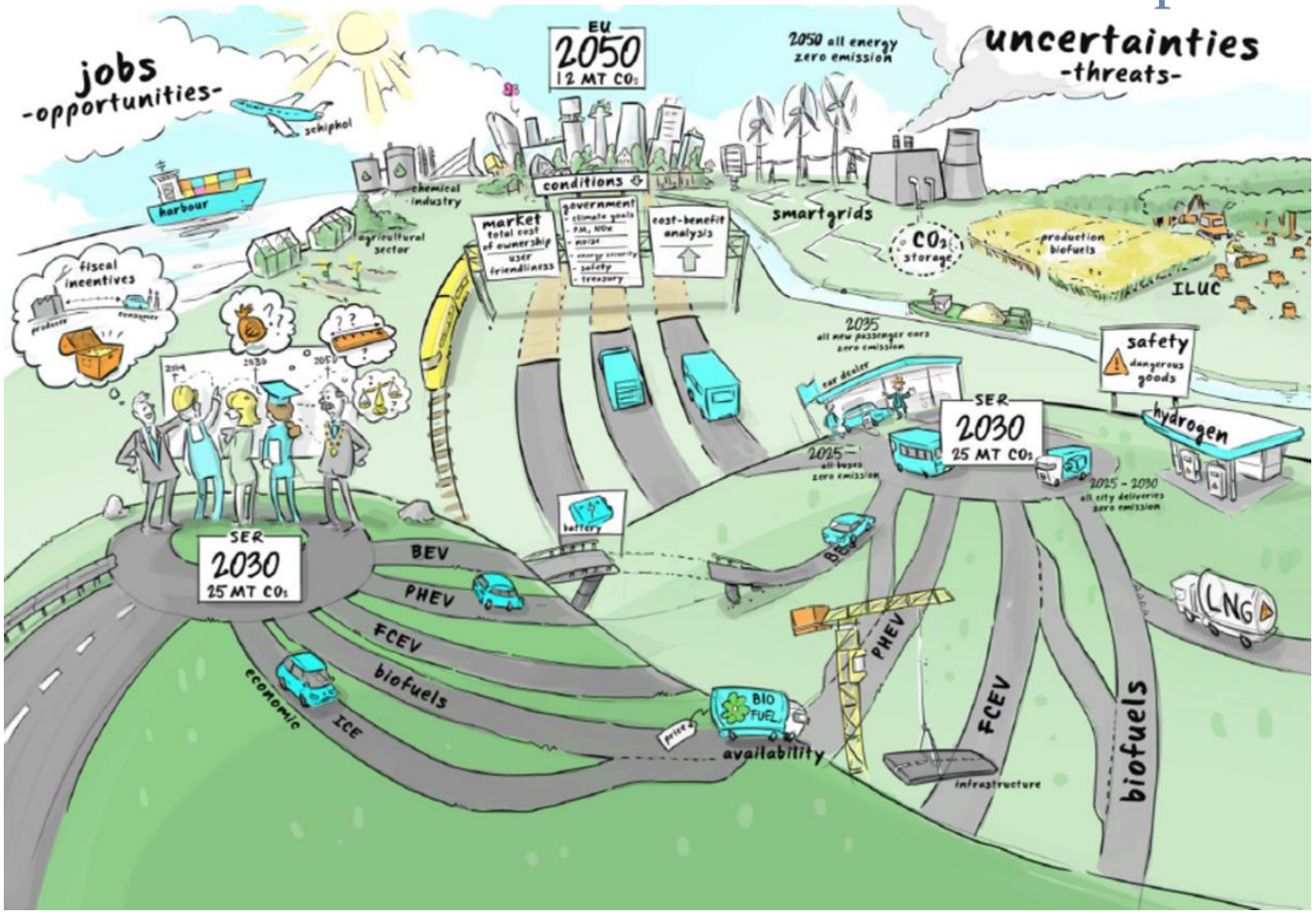
- High population/market density/GDP per capita/purchasing power;
- Large hydrogen industry (for eaxample: Port of Rotterdam)
- Centrally located in NW-Europe, well connected to DE, DK, BE, FR and UK
- Strong track record for early and wide adoption of innovative clean cars, e.g.:
- largest share of (plug-in) hybrids in EU

Hydrogen in The Netherlands

Transportation	Target Number	Current Status	Partnerships, Strategic Approach	Policy Support
Fuel Cell Vehicles	2000 by 2020	41 (March 2018)	Working Group Demand Gathering, (part of the Dutch Hydrogen Platform). Main Task: Stimulate en co-ordinate activities of fleet-owners and HRS-business	Some Fiscal measures: • No purchase tax (BPM) • No road tax (MRB). • Low addition of 4% (instead of 22%). per year (Income tax) Fiscal rebate on investments in a hydrogen car.
FC Bus	100 by 2020	12 (scheduled), 6 in operation	Green Deal Zero Emission Public Transport by Bus.	• Fiscal rebate on investments in a hydrogen bus
Fuel Cell Trucks	500 vans and 20 trucks by 2020	2 (March 2018)	Green Deal Zero Emission InnerCity Logistics https://greendealzes.connekt.nl/en/the-livable-city/	
Forklifts	No target	0		
H_2 Refueling Stations	**Target Number**	**Current Status**	**Partnerships, Strategic Approach**	**Policy Support**
70 MPa	20 by 2020	2	Covenant (Green Deal) Sustainable Hydrogen Economy	Subsidy Scheme: Up to 90% subsidy Investments costs for a HRS
35 MPa	20 by 2020	4 (Feb. 2018)		

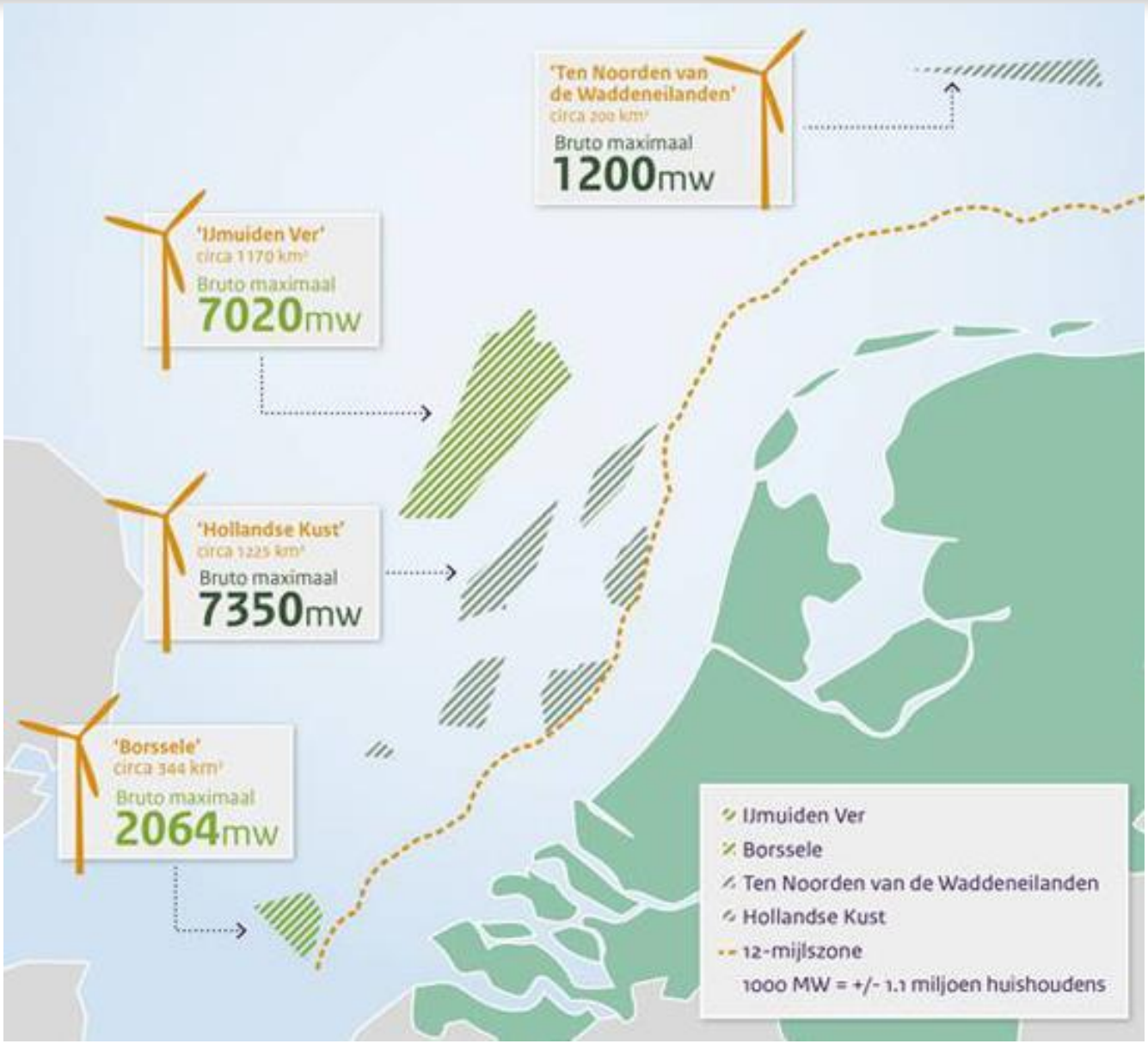
By the end of 2019: 12 new HRS in operation

Vision on sustainable Fuels for Transport



Dutch Energy Agenda: Position of Hydrogen

- Paris Agreement: More ambitious targets needed:
  - 80 / -95% CO2 reduction by 2050
- All the differents sectors in Dutch economy have to speed up! Including Transport!
- So we need all possible ‘zero-emission’ solutions, including H2
- At the same time more (cross-sectoral) integration is needed: More sustainable electricity (offshore windfarms) will increase the need for storage and demand for new markets: *Hydrogen as enabler for energy transition*


'Ten Noorden van de Waddeneilanden'
circa 200 km²
Bruto maximaal
1200mw
'IJmuiden Ver'
circa 1170 km²
Bruto maximaal
7020mw
'Hollandse Kust'
circa 1225 km²
Bruto maximaal
7350mw
'Borssele'
circa 344 km²
Bruto maximaal
2064mw
IJmuiden Ver
Borssele
Ten Noorden van de Waddeneilanden
Hollandse Kust
12-mijlszone
1000 MW = +/- 1.1 miljoen huishoudens

Programme for demonstration of low-carbon technologies and innovations in transport

Multi-annual demonstration programme (a.o. Living Labs)
Launched October 2017
Budget Call 2017/2018: € 17 million
Focus Call 2017/2018:

- Acceleration of development of low-carbon vehicles (transportation of goods and passengers (M2)
- Deployment and use of infrastructure for alternative fuels
- Cofinancing of EU-supported infrastructure for alternative fuels (Hydrogen!)

Results Hydrogen: 12 new HRS by end op 2019.

Thank you for your attention!

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