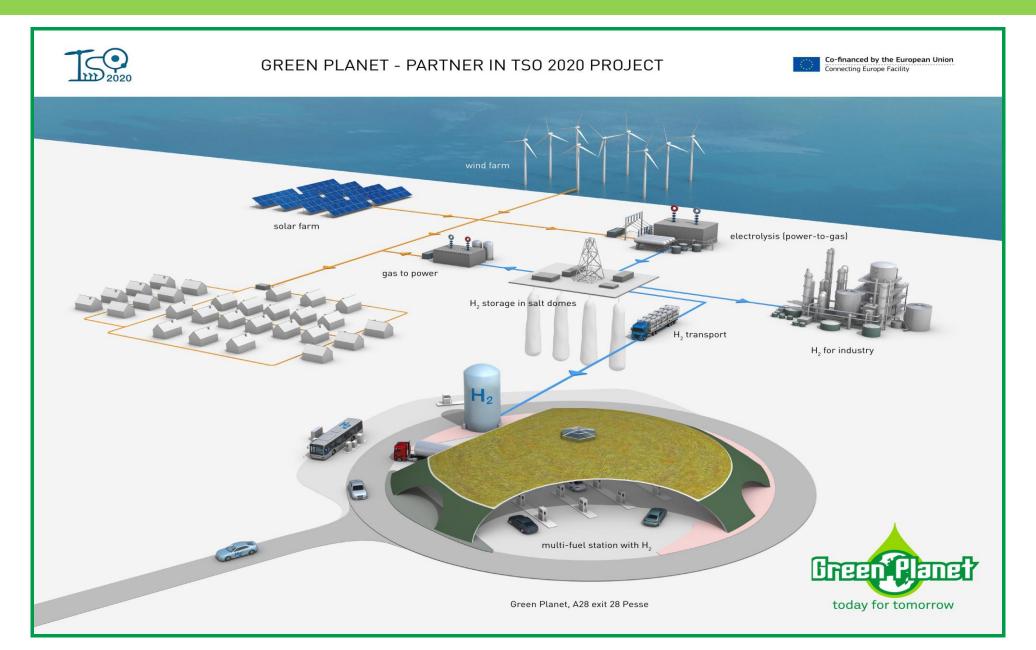






TSO 2020: HYDROGEN REFUELING STATION

OUR POSITION IN THE TSO 2020 PROJECT





MAXIMATOR

Dispense pressure	700bar		
Throughput capacity	50 to 80kg/hr @ low pressure supply (<100bar).		
	Scaling up to more than 120kg/hr @ medium pressure	700	
	supply (>250bar).		Ш
Filling capacity (700bar peak)	1 x 4kg car within 4 min then 3 min recovery time to be		Ш
	ready for next car (continuously).		Ш
Max. fill capacity (700bar)	7kg/ car (not continuously).		Ш
Dispenser	Shell design with Maximator valve arrangement.		
Scale up	Easily scaling up by adding extra compressor, medium		
	and high pressure storage and buffer capacity.		





IN REALITY: SHELL POWER DISPENSER





IN REALITY: HYDROGEN REFUELING STATION





IN REALITY: HRS MACHINES INSIDE OUT



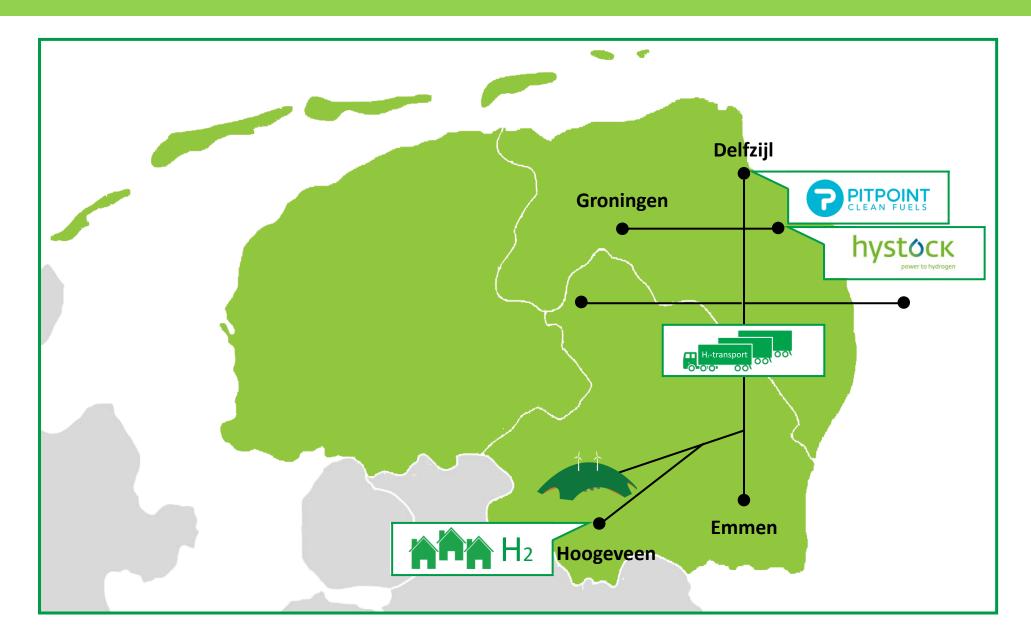




TSO 2020: H₂-HUB DELFZIJL



HYDROGEN TRANSPORT & STORAGE





IN REALITY: H2-TRAILERS





PARTNERSHIP WITH VREDEVELD TRANSPORT COMPANY





IN REALITY: LOADING H2 AT PITPOINT DELFZIJL





IN REALITY: LOADING H2 AT PITPOINT DELFZIJL





IN REALITY: DELIVERY H2 AT GREEN PLANET







TSO 2020 GIVES US OPPORTUNITIES

Knowledge absorbtion in collaboration with many partners:

- 1. The development of the hydrogen market and the proposition of Green Planet
- 2. Hydrogen station providers
- 3. Permits and safety regarding hydrogen
- 4. The realization of a hydrogen station
- 5. Hydrogen trailer providers
- 6. Safety and certifications regarding hydrogen transport (ADR)
- 7. Hydrogen quality



KNOWLEDGE DISSEMINATION

Knowledge dissemination by:

- 1. Press releases
- 2. Publications in trade journals
- 3. Webinars
- 4. Meetings
- 5. Guided tours (post Covid)



MANY THANKS TO:

































SPECIAL THANKS TO:













Thank you for your attention!