

EMR H2 Booster event

Shaping the energy transition in the Euregion using sustainable hydrogen



Agenda

- 13:00 13:15 Opening and introduction EMR-H2Booster project Davine Janssen (WaterstofNet)
- 13:15 13:35 Need for green Hydrogen and current projects Chemelot *Hans Linden (TNO)*
- 13:35 14:00 The Hydrogen Industry Cluster and current Euregional projects Adwin Martens (Managing Director WaterstofNet)
- 14:00 14:20 Financing possibilities for Hydrogen projects, Interreg EMR 6 Anna Ozerova (Interreg / Province of Limburg)
- 14:20 14:40 Coffee Break
- 14:40 15:00 Inland shipping and barges with Hydrogen *Yuriy Yanson (Air Liquide)*
- 15:00 15:15 Hydrogen refueling, first experience owning a H2 refueling station and future plans: Gerbert Vissers, (Vissers Energy)
- 15:15 15:30 EMR-H2-Booster Matchmaking, topics, process and wrap-up: *Jan Willem Tolkamp (LIOF)*

15:30 - 16:00 Matchmaking & Drinks





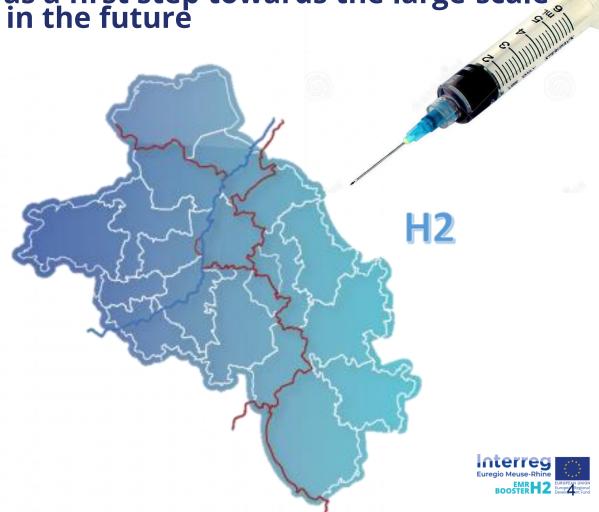
The EMR H2 Booster project



EMR H2 Booster

 Aim: to boost the development of clean hydrogen innovation, demonstration and knowledge sharing in the region, as a first step towards the large-scale roll-out of a clean hydrogen economy in the future

- Main target group: **SMEs**
- Duration: 18 months January 2022 to June 2023
- Total budget: €1.065.066,13
- Total Interreg subsidy: €532.533,01



Partnership









Region	Cluster	Development Agency	Other
Liège	TWEED	Spi	
Limburg (FL)	WN	POM Limburg	Univ Hasselt (Energyville)
Aachen	IHK Aachen	Stadt Aachen	
Limburg (NL)	WN/Waterstof Coalitie Limburg	LIOF	
			1



Workpackages

WP 1: mapping

- Of plans, roadmaps, visions, views, R&D, etc.
- Of industrial players
- Of competences
- Integration in the Digital Innovation Platform

WP 2: cases

- 4 Matchmakingsessions
- 4 Hydrogen project concept papers

WP 3: inspiration and demonstration

- 4 inspiration sessions (one per region)
- 4 demonstration events
- 4 workshops

NP 4: Booster

- Long term roadmap
- Definition of longterm governance structure and business model of the EMR H2 Booster

WP management WP Communication WP First Level Control



Let's boost



Let's boost hydrogen in our region! https://www.emrh2booster.eu/



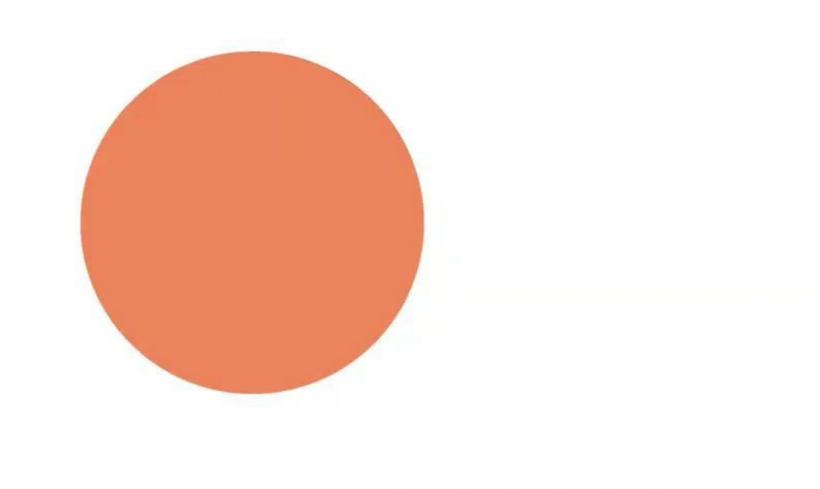




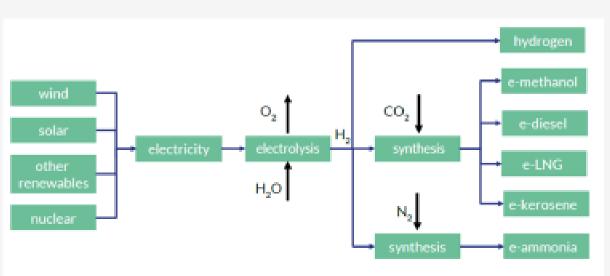
Hans Linden

Production of Hydrogen and Hydrocarbons using Plasma Technology

Proud partners Sitech Services TNO Maastricht University Brightlands Chemelot campus



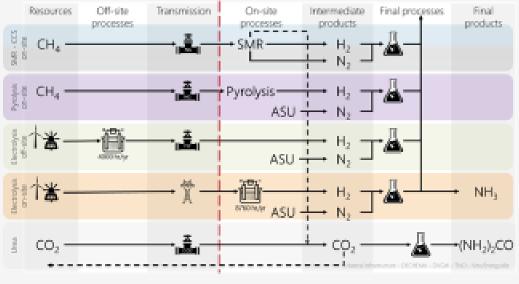
Brightsite Hydrogen key energy carrier versus hydrogen as feedstock



Future fuel (intermediate)

Figure 4: Schematic representation of the production routes of hydrogen and the most relevant e-fuels. Source: Power-2-Fuels innovation outlook, TNO/Smartport (2020)

Future intermediate for chemicals



Source: Trilate, TNO/DECHEMA/DVGW/VITO (2020)

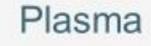




Plasma technology as game changing technology







- Fourth state of matter •
- Ionized gas with equal numbers of positively charged ions and negatively • charged electrons
- Electrical conductive •

Examples:



Lighting



Aurora Borealis



Welding



HR+ glass coating (Pilkington)

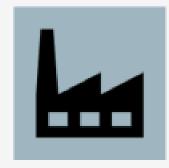


innovation

for life

Brightsite Green house gas emission in the chemical industry

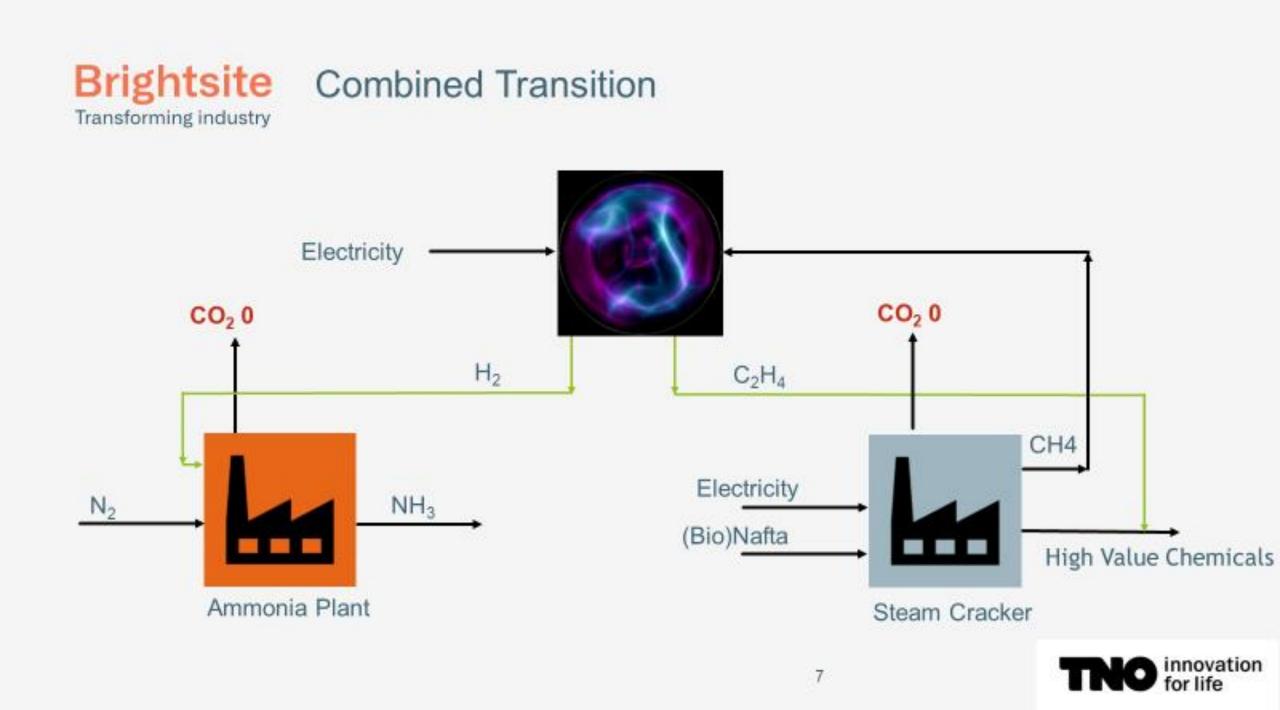




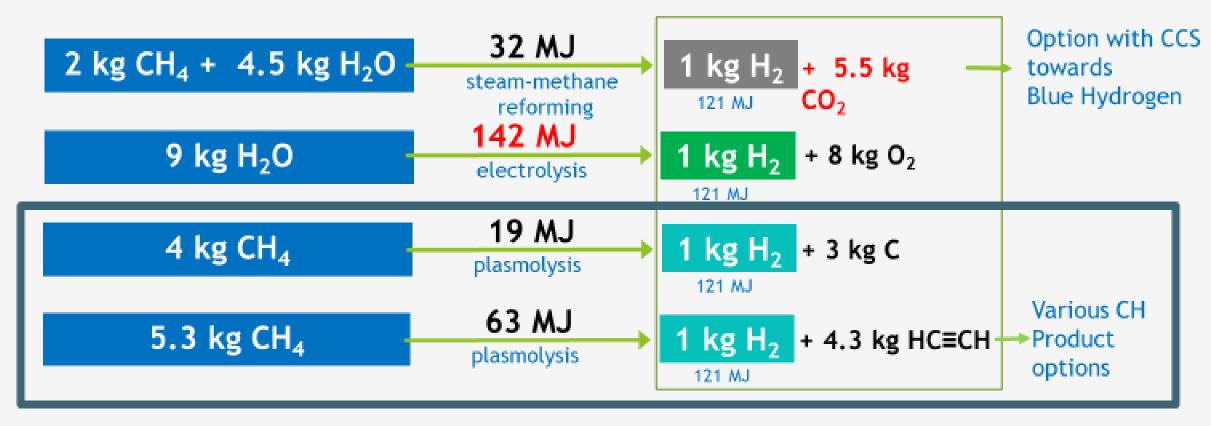
Ammonia Plant: Typically 9 ton CO₂ is emitted per 1 ton of hydrogen

Steam Cracker: Typically 1 ton CO₂ is emitted per 1 ton of olefins





Brightsite Motivation for plasma decarbonization



Thermodynamic numbers, no heating or cooling





Plasma technology at Brightsite



Plasma technology at Brightsite

Transforming industry

Brightsite

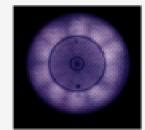


Plasma lab at Brightlands

Generation 1:

- Hüls process
- · Hydrogen and carbon
- Arc technology





Generation 2:

- Optmised Hüls process
- Arc technology and microwave

Generation 3:

- Direct formation of Ethylene
- Microwave



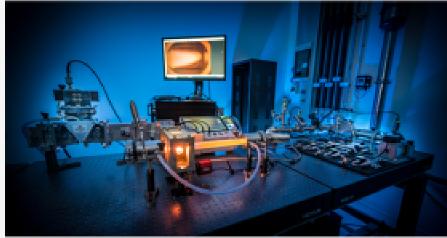
Timeline plasma technology

Transforming industry

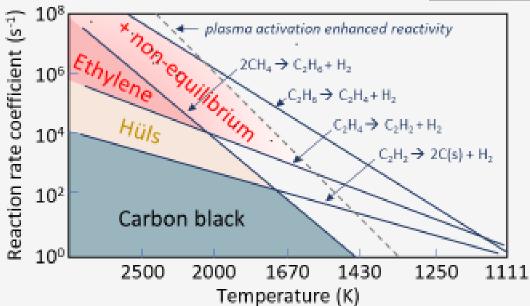
Brightsite

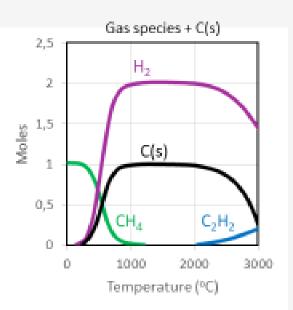


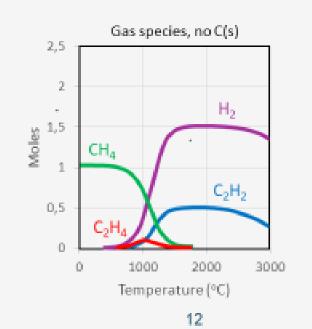
Plasma lab at Brightlands

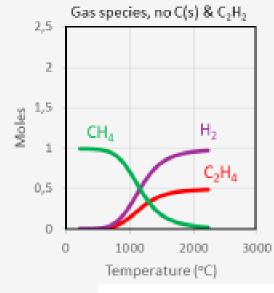


Brightsite Transforming industry







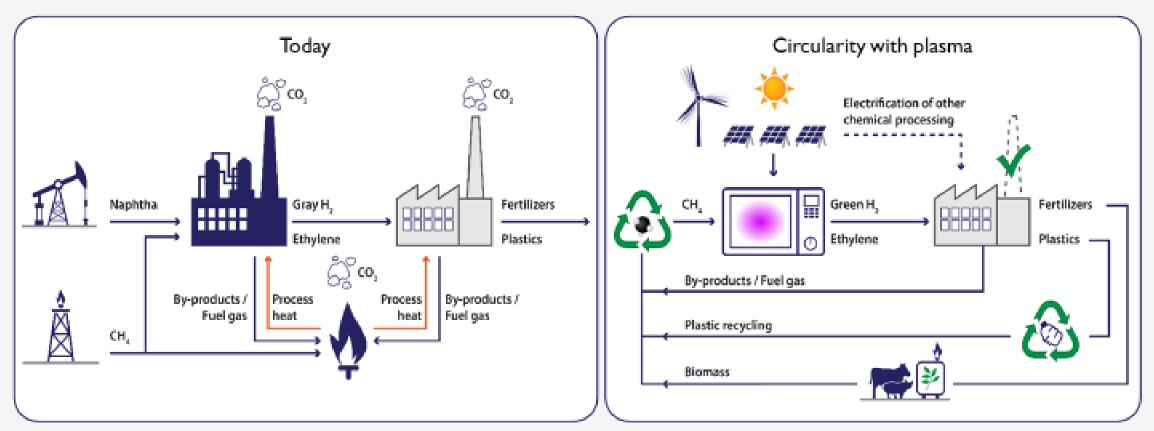




Courtesy G van Rooij



Plasma technology an important step towards the ultimate circular chemistry



Courtesy Gerard van Rooij



Brightsite Transforming industry

Proud partners Sitech Services TNO Maastricht University Brightlands Chemelot campus

www.brightsitecenter.com Hans.Linden@TNO.NL



HYDROGEN DRIVEN BY ENERGY



Vissers Energy Group B.V.

- Family business founded in 1917
- 4th Generation: Gerbert Vissers
 50+ petrol stations in South-Netherlands
- High-Way, manned and unmanned
- 350+ employees
- Retailconcept Moments & More / Delimore / Smaaksmederij





Vissers Energy Group B.V.

 In 2030 completely energy neutral within our own company Transition period CNG and HVO Expansion of EV-charging network First Hydrogen Filling Station in Horst
 End goal 2 green electricity and green hydrogen





First Hydrogen Filling Station...



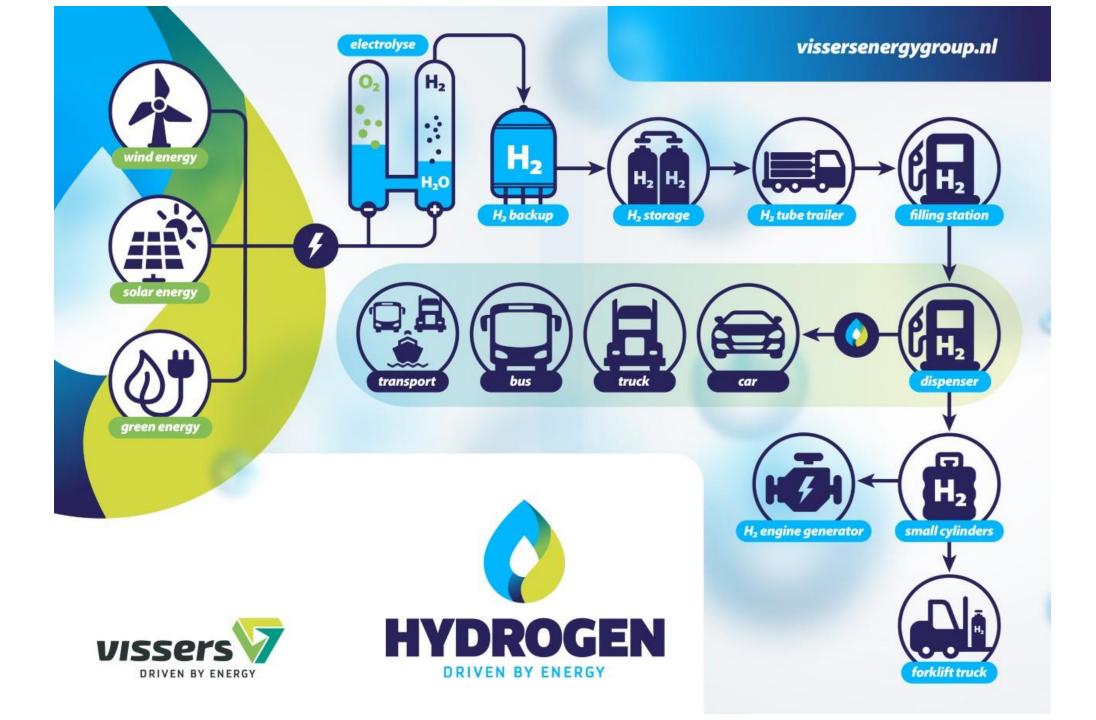




First Hydrogen Filling Station in Horst



















Hydrogen in Limburg

- Hydrogen Filling Station in Horst 2 April 2022
- Hydrogen Filling Station Venlo-Tegelen 2 February 2024
- Subsidies for Infrastructure (CEF)
- More to come





What do we need?

- Projects with Shippers, Trucking Companies etc.
- Subsidies for End-Users
- Suitable Cost Price Hydrogen
- Promotion by Local Government
- \rightarrow Creating Demand for Hydrogen





Local Energy Hub





DRIVEN BY ENERGY

Project Partners:





Are there any questions?



Adwin Martens, managing director WaterstofNet

21 oktober 2022

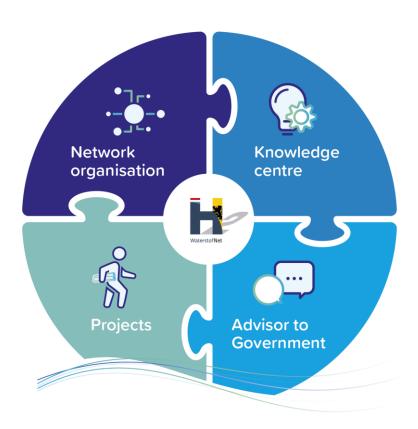
The WIC Hydrogen Industry Cluster and current Euregional projects



WaterstofNet: over 10 years of H2 experience



- °2009, non profit, 14 persons
- Offices in Turnhout (B) and Helmond (NI)
- 4 pillars
 - ✓ WIC: Industrial cluster > 140 members
 - ✓ Project organisation > 20 projects
 - ✓ Partner of governments
 - ✓ Knowledge center
- Hands-on experience



Hands-on experience WaterstofNet : 2 hydrogen refuel stations operated and 4 cars on hydrogen



2011: Opening hydrogen station at Colruyt in Halle (350 bar)

2013 : Opening hydrogen station in Helmond (350 and 700 bar) refuelling, 5 kg in 5 minutes, over 500 km range





Cars:

2014: Hyundai ix352018: Hyundai Nexo2021: 2 Honda Clarity







Euroregio Maas Rijn



WIC:

Unique hydrogen-ecosystem : started in Flanders, now growing to Benelux level





covering the value chain







Working groups WIC

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Not only 'logo's' but also pictures of realisations/demonstrations in the region

















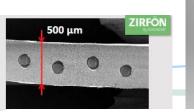






















Flemish garbage trucks on hydrogen, demonstrated in NRW





SWH Home Aktuelles Stadtwerke STADTWERKE HURTH PROBEN UMSTELLUNG AUF ALTERNATIVE ENERGIEN

17.01.2020

Noch bis 24. Januar 2020 wird ein mit Wasserstoff betriebenes Müllfahrzeug getestet

HÜRTH (pü). Zwei vollkommen schadstofffreie Wasserstoff-Hybridbusse sind bei der Stadtverkehr Hürth bereits seit zehn Jahren im Einsatz. Und auch die dazu gehörige Wasserstoff-Tankstelle auf dem Knapsacker Industriehügel ist seitdem in Betrieb. Seit heute setzen die Stadtwerke Hürth in der Abfallentsorgung mit einem Müllgroßfahrzeug ebenfalls auf diese umweltfreundliche Technik, die keine Emissionen verursacht und geräuschlos ist – zumindest probeweise. Und damit sind die Stadtwerke Hürth derzeit bundesweit das einzige kommunale Unternehmen, das die Entsorgung über ein solches Fahrzeug ermöglicht.

"Unser Fuhrpark besteht überwiegend aus herkömmlichen Fahrzeugen,



Stadtwerke Hürth-Vorstand Stefan Welsch (5.v.r.) und Dirk Breuer, Bürgermeister und Vorsitzender des Verwaltungsrates der Stadtwerke Hürth (6.v.r.), informierten sich im Beisein von Kollegen über den probeweisen Einsatz des mit Wasserstoff



Flemish buses on hydrogen for Germany

- 2013- 2014
 2 Van Hool buses RVK Köln
- 2018 2019 45 Van Hool buses RVK Köln en WSW Wuppertal



RK



Dutch Truck in Germany







Press release, February 16, 2021

ABC Logistik demonstration a success in Düsseldorf H2-Share hydrogen fuel cell truck well received

Düsseldorf – The H2-Share truck performed well in demonstration at transport company ABC Logistik in Düsseldorf from the beginning of November until the end of December 2020. The company concluded in its final evaluation that hydrogen trucks are the future of zero-emission heavy-duty logistics.

Thanks to the efforts and collaboration of ABC Logistik, VDL, the EnergieAgentur.NRW and H2 MOBILITY Deutschland, the 27 tonne truck demo was organised on short notice. It was just the second of six demonstrations within the international H2-Share project, dedicated to the development of hydrogen heavy-duty transport and refuelling technology. It transported up to 8 tonnes of general cargo (e-commerce products), mainly on motorways and in industrial zones. The truck refuelled under supervision of Air Liquide at the hydrogen refuelling station (HRS) Düsseldorf-Holthausen operated by H2 MOBILITY Deutschland.

Of course the demonstration also brought a number of points for improvement into focus for the next stage of development. Hills formed challenges at times and a more powerful electromotor may be required. The truck is also quite noisy, too much so for night deliveries. This could be improved by lowering the high compressor air intake. In general, the configuration of the H2-Share truck consists of a number of compromises given the need for multiple demonstrations at different end-users. ABC Logistik concluded that most of these challenges can be overcome and are keen to continue the tests in a following phase. This will be supported by the commitment of North Rhine-Westphalia to stimulate the deployment of fuel cell vehicles with green hydrogen in the region.

Michael te Heesen, General Manager at ABC Logistik: "As a privately-owned logistics service provider with a strong interest in sustainable logistics concepts and technologies, we were very pleased to be invited to participate in the test phase. Although the vehicle is still a prototype, its use has left many positive impressions. We are convinced that hydrogen technology will soon be ready for daily operational use. Now the supply of hydrogen and the refuelling station network need to improve while refuelling costs need to drop."

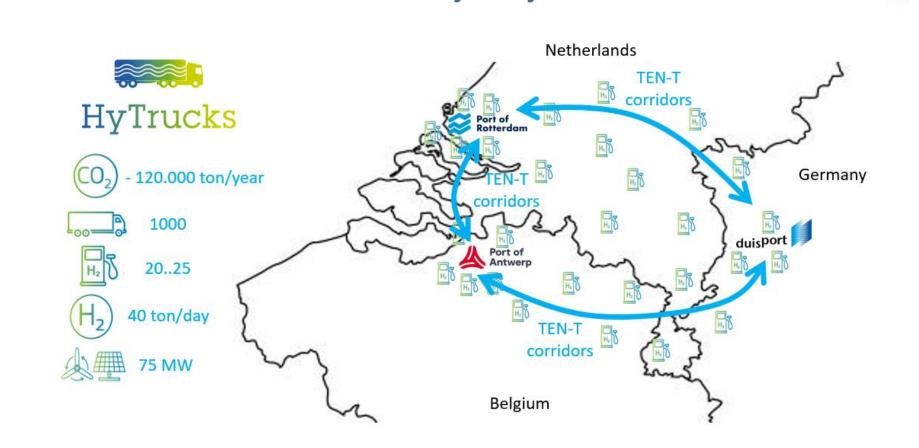




Interreg as a key to play a role in large EU-projects WaterstofNe FUEL CELLS AND HYDROGEN FCH FUEL CELLS AND HYDROGEN JOINT UNDERTAKING WaterstofRegio HyTrucks 2.0 **Interreg VLANED** HYDROGEN POWERED H- 0= LLLLLL H2SHare 16 truc **Interreg NWE** North-West Europ



HyTrucks: Close cooperation Flanders/Netherlands/Germany





- Actual a limited amount of hydrogen actors in EMR-region
- Actual a limited projects on hydrogen in EMR-region



• but EMR-area is from strategic importance for hydrogen in Europe

Now: Network of hydrogen refuelling stations: 25 in Benelux, 100 in Germany





under construction
 funded
 initiative
 permit received

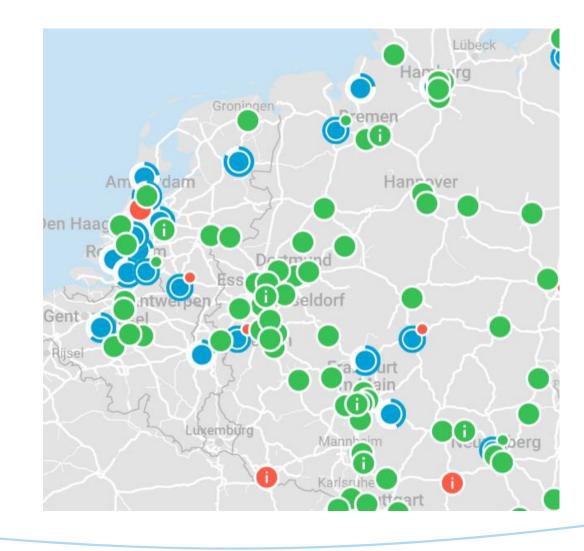


Operationele openbare waterstof tankstations (09/09/2022)

Plaats	Adres	Vuldruk (bar)	Uitbater	Voertuig	Betaling
Rhoon (NL)	Groene Kruisweg 397	350/700	Air Liquide	80	
Arnhem (NL)	Westervoortsedijk 71	350/700	TotalEnergies	80	€
Den Haag (NL)	Binckhorstlaan 100	350/700	Kerkhof & Zn	AQ	E
Hoofddorp (NL)	Rijksweg A4-4	700	Shell		€
Amsterdam (NL)	Australiëhavenweg 116	350/700	OrangeGas		€
Nieuwegein (NL)	Morsebaan 1	350/700	Hysolar	@ Q	€
Amsterdam (NL)	Galwin 6	700	Shell	(2)	E
Pesse (NL)	Bultinge 2	350/700	Green Planet	A	€
Groningen (NL)	Bornholmstraat 35	350/700	Holthausen		(E)
Assen (NL)	Duitslandlaan 1	700 (slow-fill)	OrangeGas	(
Doetinchem (NL)	Braamtseweg 10	350/700	Kuster Energy		€
Breda (NL)	Minervum 7001	350/700	TotalEnergies	@Q	€
Horst (NL)	Stationsstraat 92	350/700 (slow-fill)	Vissers Energy		
Veldhoven (NL)	De Run 4232	350/700	TotalEnergies	@Q	€
Amsterdam (NL)	Australiëhavenweg 116b	350	Holthausen	8	€
Zaventem (BE)	Leuvensesteenweg 546	350/700	Air Liquide		
Halle (BE)	Zinkstraat 1	700	DATS 24		E
Antwerpen (BE)	Mexicostraat 11	350/700	CMB.Tech		€
Antwerpen (BE)	Boomsesteenweg 950	350/700	DATS 24	A Q	€
Leuven (BE)	Geldenaaksebaan 448	700	DATS 24	A	€)

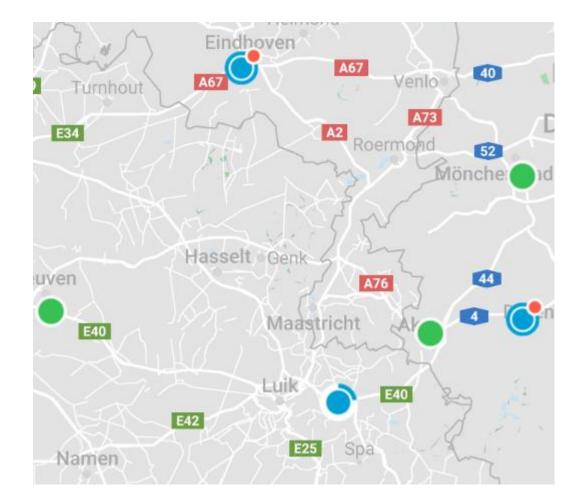


https://www.waterstofnet.eu/nl/overzicht-waterstoftankstations-benelux



Network of hydrogen refuelling staions 25 in Benelux, 100 in Germany







HyTrucks: trucks on hydrogen





Not only mobility but also industry (steel/chem), infrastructure



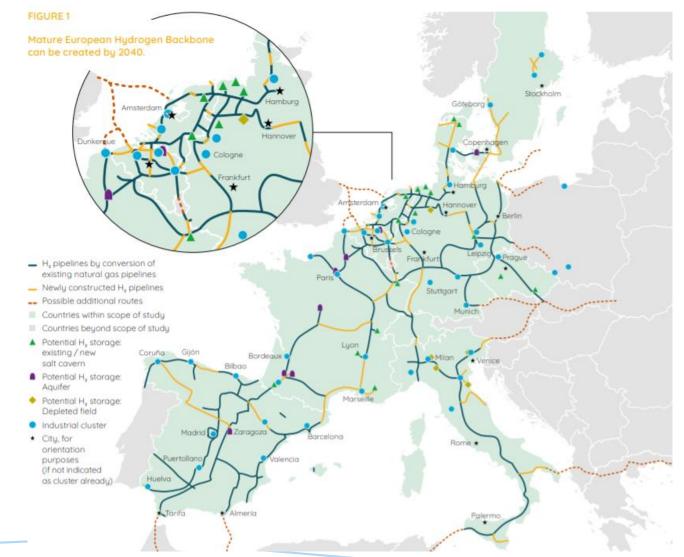






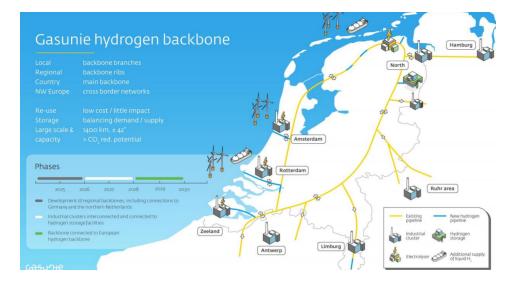


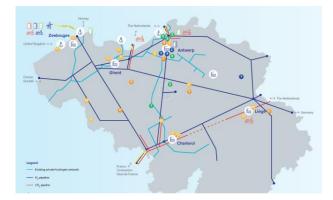
EMR and the European hydrogen backbone

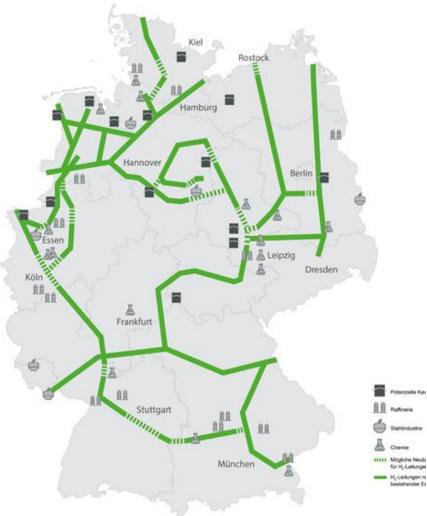


Hydrogen backbone: Netherlands/Belgium/Germany to be connected









New hydrogen projects to be developed





PRESS RELEASE

Cross-border 'EMR H2 Booster' consortium to accelerate hydrogen developments in Euregion Meuse-Rhine



Conclusions



- Europe promotes crossborder cooperation on hydrogen
- We need:
 - Crossborder thinking on hydrogen
 - Crossborder projects on hydrogen

• Looking forward for the next steps in cooperation



WaterstofNet

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T +32 (0)14 40 12 19

Kantoor Nederland

Automotive Campus Automotive Campus 30 5708 JZ Helmond Nederland

WaterstofNet WaterstofNet

WaterstofNet.eu

Adwin Martens adwin.martens@waterstofnet.eu

Bedankt voor uw aandacht! Thank you for your attention!





A smarter & Greener, low carbon

Meuse-Rhine area

21.10.2022

Anna Ozerova (Regional Antenna Limburg NL)





14h00: Introduction

14h05: Presentation of priority 1 & 2 and specific objectives

14h15: Questions & Answers

14h20: End of the presentation



Interreg Meuse-Rhine (NL-BE-DE)

What is Interreg?

Interreg is part of the European Union's cohesion policy and is financed by the European Regional Development Fund (ERDF). This fund strengthens economic and social cohesion in the European Union by eliminating imbalances between regions and promoting cross-border cooperation.

6th consecutive program, named Interreg Meuse-Rhine (NL-BE-DE)

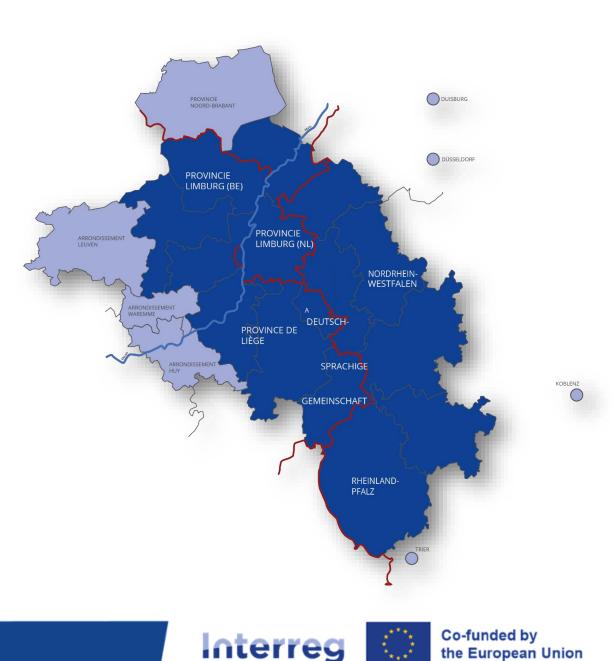




Planned cooperation according to the principle of "Functional Areas" with:

- Arrondissement Leuven (B) •
- Arrondissements Huy and ٠ Waremme (B)
- Region Zuidoost-Noord-Brabant ٠ (NL)
- Düsseldorf, Duisburg (DE) ٠
- Koblenz, Trier (DE) ٠

Does not affect PO 6! Π

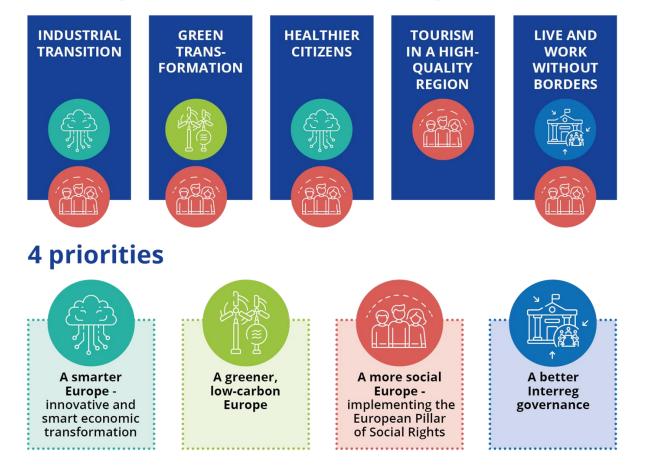


Meuse - Rhine (NL - BE - DE)

the European Union

Content of the Programme

Our 5 grand societal challenges





Meuse – Rhine (NL - BE - DE)

Interreg

Priority 1



A Smarter Meuse-Rhine area:

- Promoting Industry 4.0 and key enabling technologies
- Developing and enhancing research and innovation capacities and the uptake of advanced technologies
- Enhancing sustainable growth and competitiveness of SMEs and job creation in SMEs, including by productive investments
- SO 1.ii en 1.iii



Enhancing sustainable growth and competitiveness of SMEs and job creation in SMEs, including by productive investments



- Collaboration: knowledge and training institution with the industry (lifelong learning)
- Development and implementation of an innovation scheme, stimulating sustainable cross-border development and cooperation on promising innovation projects between SMEs (business-to-business)
- Innovation projects adapting to changing circumstances, creating new solutions, generating new business;
- Digitalisation of products, processes and services (e-commerce and e-business);
- Cross-border innovation processes, technology transfer and business aimed at introducing new products and services to the market



Priority 2



A greener, low carbon Meuse-Rhine area:

- Renewable energy
- Adaptation to climate change
- Circular energy economy



Type of actions

- Cross-border cooperation and knowledge exchange on topics like <u>hydrogen</u>, building integrated PV, large scale (energetic and circular) renovation of buildings, green heat/cold and woodchip production);
- Experimentation with new models for generation of renewable energy and demonstrating these renewable energy solutions in a real environment. SMEs and inhabitants in the Meuse-Rhine area also need support with setting up innovative organizational structures for organizing and financing investments in sustainable energy generation, overcoming differences in regulations.



Meuse – Rhine (NL – BE – DE)

Type of actions

- Close-to-market eco-innovation projects from SMEs: developing business cases, pilot projects and demonstration projects in relevant environments, translating innovations into scalable products and services;
- Innovative processes by which multiple enterprises within a shared market segment collaboratively plan, implement and manage renewable energy in a way that increases the share of renewable energy in sectors that are more difficult to decarbonize;



Getting started

Define theme and check compatibility with program objectives

Reflect on specific challenges, necessary impacts and corresponding products/services (deliverables)

Search for cross-border partners 🛛 support from the Regional Antennas

Weigh up costs and financing: 50% EU contribution, raise remaining 50% yourself (possibly public co-financing -> contact the Regional Antennas)

Monitor information / updates of the program: <u>Home | Interreg Euregio Maas-Rijn</u> (interregemr.eu)



Regional Antennas



The Netherlands -Maastricht **Anna OZEROVA**

Germany - Aachen Fabian THIMM

OstBelgien - Eupen Celine MARCHAL Michel MARGRAFF Belgium - Hasselt Frederik LOY

Belgium - Liège Axel NOEL Cristina JORS Jessica KRIESCHER (Executive assistant)



Interreg Meuse-Rhine Team









Meuse - Rhine (NL - BE - DE)

Questions and Follow-up.

Please contact us !

interregemr.eu



Meuse – Rhine (NL – BE – DE)

• Air Liquide

Be a key enabler for a Hydrogen Society

Yuriy Yanson

01 Air Liquide in Brief



Air Liquide Group 2021 Key Figures

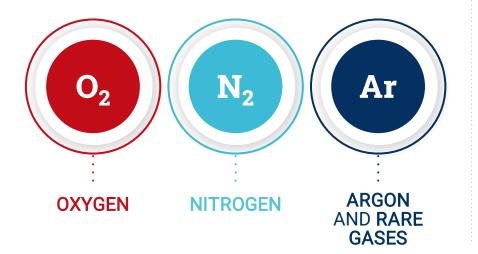


Air Liquide

Our scientific territory: Essential small molecules

Oxygen, nitrogen and hydrogen are essential small molecules. They embody Air Liquide's scientific territory and have been at the core of the company's activities since its creation in 1902.

Separating the components of **air** to take advantage of their properties



Producing molecules from the **natural resources** of the planet



02 Hydrogen Markets and The Role of Air Liquide



Hydrogen makes it possible to address major challenges

One molecule, multiple uses

 A molecule used in various industrial processes, including refining, chemicals, electronics...

But it can also be used:

- As a feedstock to decarbonize industry
- As an energy carrier for industry and clean mobility

A solution for a better future

Hydrogen plays a role in:

- Fighting against climate change
- Tackling the energy transition
- Reshaping industry
- Deploying clean mobility

H₂ is as critical for the future as it is for Air Liquide.



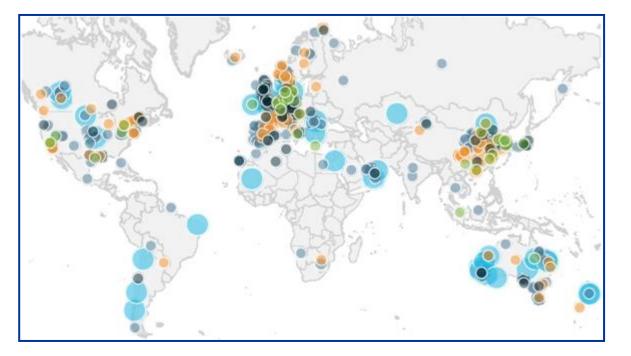
demand by 2050

\$2,500bn

potential value of the hydrogen market by 2050



Significant international momentum



60+ Giga-scale production (renewable and low-carbon projects)

330+ Large-scale Industrial usage (refinery, ammonia, methanol, steel and industry feedstock)

150+ Transport (trains, ships, trucks, cars and other mobility applications)

- 75+ Integrated hydrogen economy (cross-industry, projects with different types of end-uses)
- 60+ Infrastructure (hydrogen distribution, transportation, conversion and storage)

~700 projects announced
with investments of
\$240 bn (and a target of
\$610 bn by 2030)

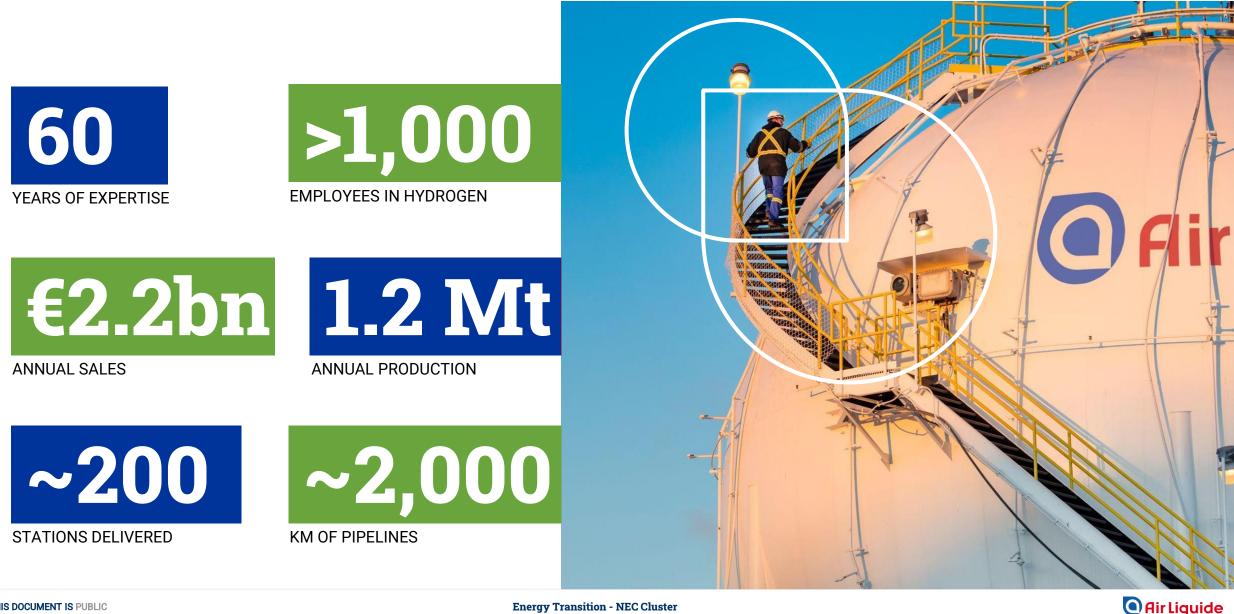
48% industry 22% transport + large infrastructure projects emerging

Updated in September 2022

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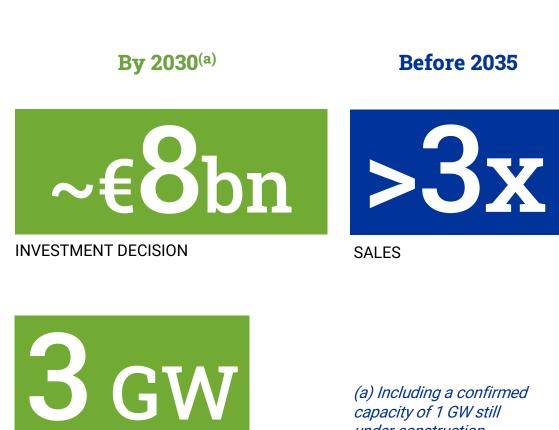


Hydrogen: a unique expertise and experience



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We think BIG for hydrogen



ELECTROLYSIS

under construction





We address two major challenges: decarbonation of hard-to-abate industries and clean transport revolution



Our key markets





Our key markets



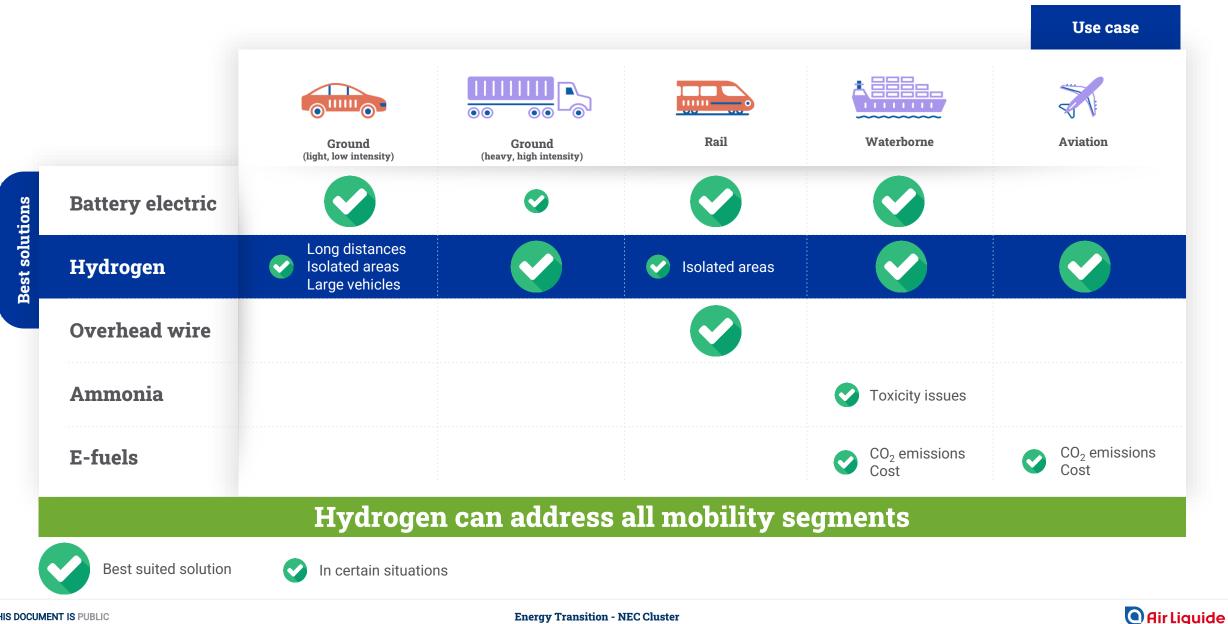




03 Hydrogen in Mobility Inland Waterway Transport

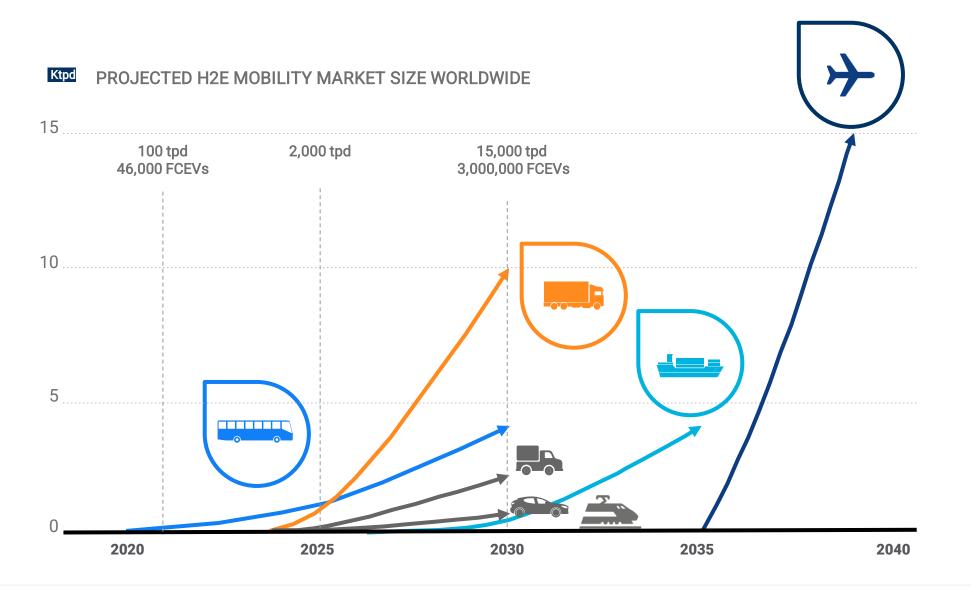


We need a combination of solutions to decarbonize different needs



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Ready to accompany the growth of hydrogen mobility



25% transport CO₂ impact

80+ CO₂ regulations worldwide

3 M hydrogen vehicles by 2030

10 min to refuel a bus

50%

of hydrogen demand dedicated to transport by 2050 Estimates as of end of 2021

• Air Liquide





<u>Market outlook</u>

Inland waterway transport is considered as an environmental friendly mode of transport and seen as a key factor in reducing road traffic congestion and pollutant emissions in the transport sector.

Even if the inland shipping industry is not facing stringent regulatory constraints:

- Environmental regulations, roadmaps & declarations have been catching up in the past years.
- Emerging pressure from inland water transport customers looking to reduce their value chain's carbon footprint.

If as of now, almost the entire fleet uses diesel engines, new and greener propulsion systems are an increasingly important subject for the sector.

By switching to hydrogen as fuel, ships can minimize emissions, limiting air and water pollution.

Several projects have demonstrated the feasibility of zero-emissions hydrogen propelled inland shipping and are being implemented.

Benefits of hydrogen

- Zero-emission
- Higher operational range vs batteries
- Suited for the average power requirements

Key figures (2021)





inland commercial vessels in Europe tonnes of goods transported via inland (EU)





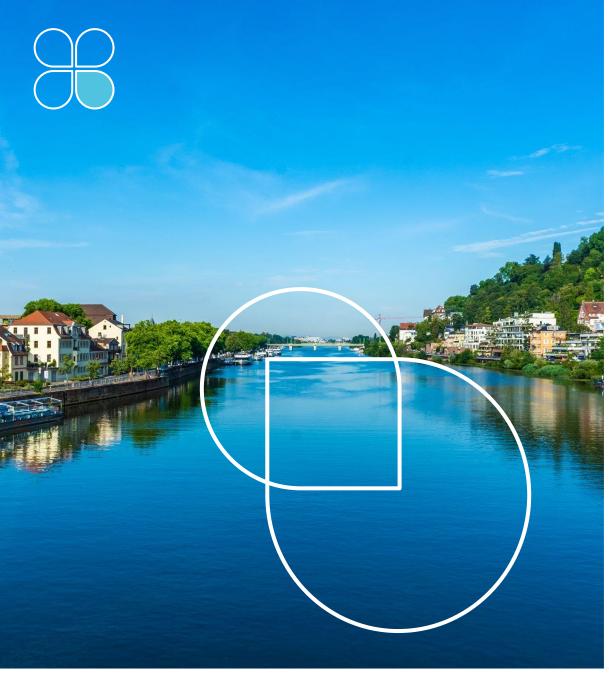
year average lifetime of an inland vessel

zero-emission vessels target by 2030 in Netherlands

Our customers







Consortium

RH2ine

Decarbonizing shipping industry in Europe

Hydrogen

• Renewable hydrogen

Capacity

• 40-50 H₂ tons/week (total consortium)

Market

• Rhine-Alpine corridor

Key figures

 +12 H₂-powered ships should be railing on the Rhine by 2026

Emission reduction

• 22 ktons CO₂ reduction in 2026 and reduction of air pollutants (NOx and SOx)



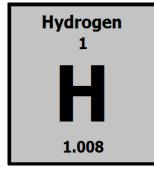


3 key challenges for H2 propulsion in shipping

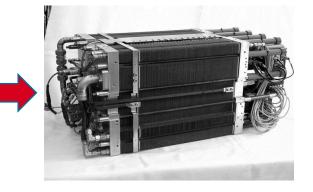
1. Hydrogen price, color, and availability.

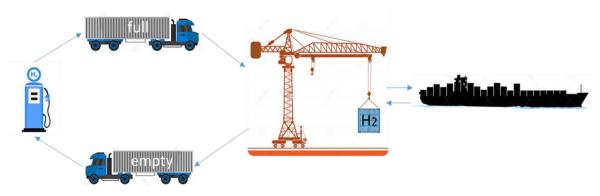


3. Fuel-cell and hydrogen technology on-board













Future Proof Shipping: first hydrogen container ship

Air Liquide will supply hydrogen for the first H2-propelled container ship to sail between Belgium and the Netherlands in collaboration with FPS, expected to start sailing end 2022



- Air Liquide developed swappable hydrogen containers to store, supply, and use hydrogen on-board of the ship
- Full certification by Lloyd's Register to use as fuel tank
- Robust supply chain by utilization of hydrogen production, distribution, and filling

Challenges for Hydrogen in Inland Shipping

- Lighter and stronger hydrogen containers for higher payload
- Container swapping infrastructure: equipped terminals, swap locations, mobile swap vessels
- Optimized container fleet management solutions
- Utilization of containers outside of shipping sector
- Ways to monetize on zero-emission shipping services

Thank you

©Raphaël Olivier

Air Liquide







Matchmaking Sessions

Brightlands Chemelot Campus 21st of October







Get connected to participate in future hydrogen projects!



Matchmaking Themes

- The EMR-Hydrogen Booster Consortium selected 4 themes on which we like to focus and develop new projects around:
 - 1. Hydrogen for inland shipping and barges
 - Possible follow up for RH2INE, Zellie and future proof shipping?
 - 2. Hydrogen Production
 - Production @ Saint Gobain Herzogenrath/ use of heat in homes
 - Several local electrolyser projects
 - 3. Setting up Local Hydrogen Hubs
 - Hydrogen Hub or Lab Avantis?
 - 4. Crossborder Hydrogen Bus connections
 - 4. A connection with H2-Busses between Aachen, Liege and Maastricht?



Matchmaking process and follow up

Process:

- 1. 4 spaces, one per theme, themes are on displays.
- 2. Get a drink, go to the table or room with the theme of your interest by following the theme-manager.
- 3. Hand your bussiness-card or badge to the theme-manager
- 4. Exchange your idea's, desires, plans and questions
- 5. All contacts and idea's will be gathered, to form future consortia and projects.

Next steps:

- 1. There will be 2 more matchmakings; Aachen region and Franchorchamps
- 2. All contacts and idea's will form the bases for new projects and future consortia.
- 3. Latest in June next year, we hope to have at least 4 new project-plans and consortia to work with, get finance for, and develop further



Themes per Room

- 1. Arthur presentation room :
 - Hydrogen for Inland shipping and Barges
 - Theme-manager: Yuriy Yanson, AirLiquide
- 2. Room Tristan:
 - Hydrogen Production
 - Theme-manager: Davine Janssen, WaterstofNet / Martin Schreurs, LIOF
- 3. Room Bors:
 - Local Energy (H2)Hubs
 - Theme-manager: Arjan Rensma
- 4. Central hall (2nd floor):
 - Cross-border H2-Bus connections
 - Theme-manager: Jan-Willem Tolkamp, LIOF



Get connected, get involved, go to the tables!



QUESTIONS?

Matchmaikng T2 Campus Genk





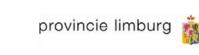
Project partners



Associated partner



Co-financers





Provincie Noord-Brabant



