



COLRUYT  
GROUP

# Hydrogen @ Colruyt Group



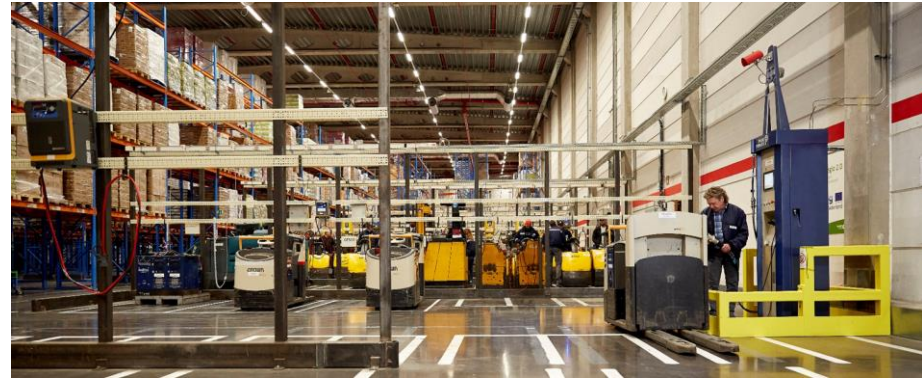
Stephan Windels  
FEBEG: The role of gas in the Belgian energy transition

9/02/2020

# Activities Colruyt Group



# Overview H<sub>2</sub> initiatives Colruyt Group



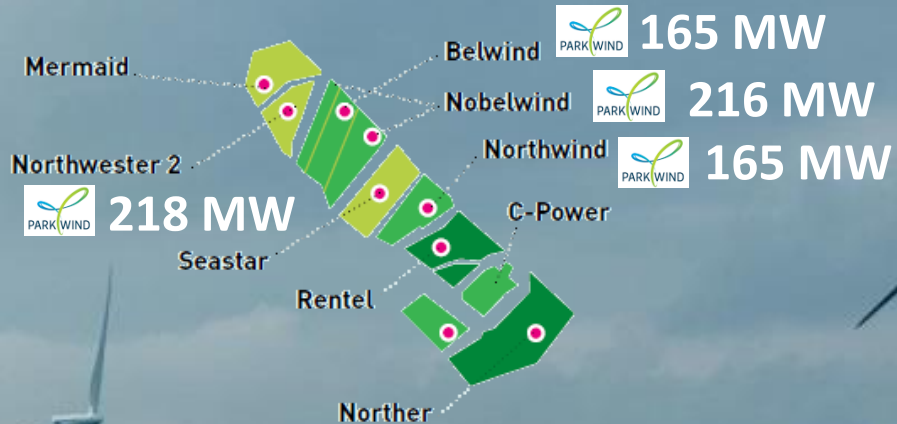
**Upcoming**

• Halle  
• Wilrijk  
• Gent  
• Leuven  
• Luik

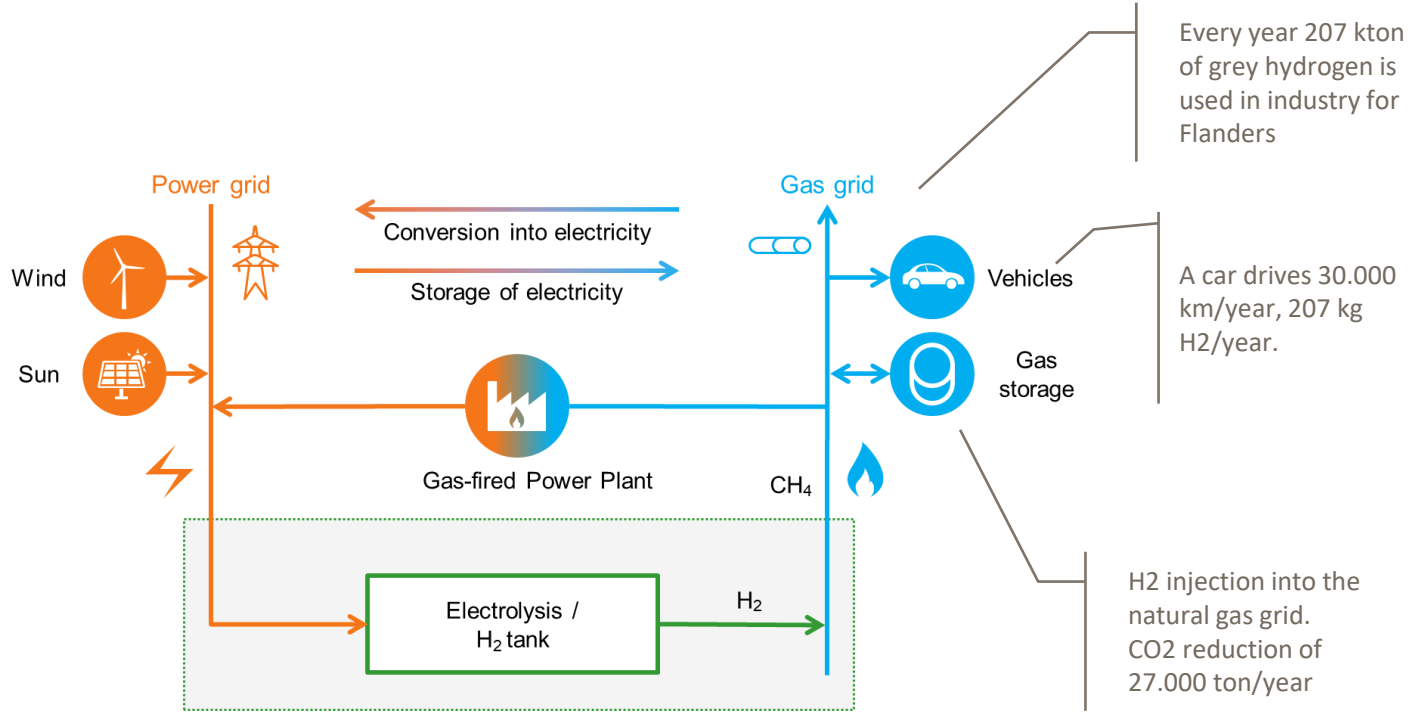
**Interreg** Vlaanderen-Nederland  
Projecte Financie van Regionale Overheden

This project is co-funded by the European Union  
**H2Benelux**  
Belgium: 3 stations, Colruyt Group  
Netherlands: 4 stations, Shell, Pitpoint  
Luxembourg: 1 station, Shell

# Offshore

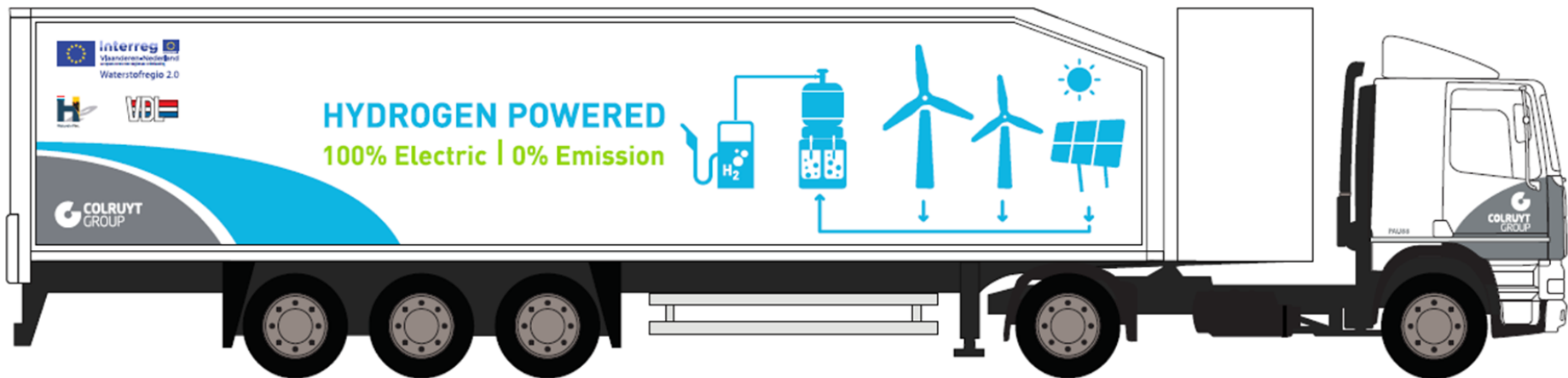


# Production of green hydrogen on industrial scale: Hyoffwind



# Beyond the obvious...

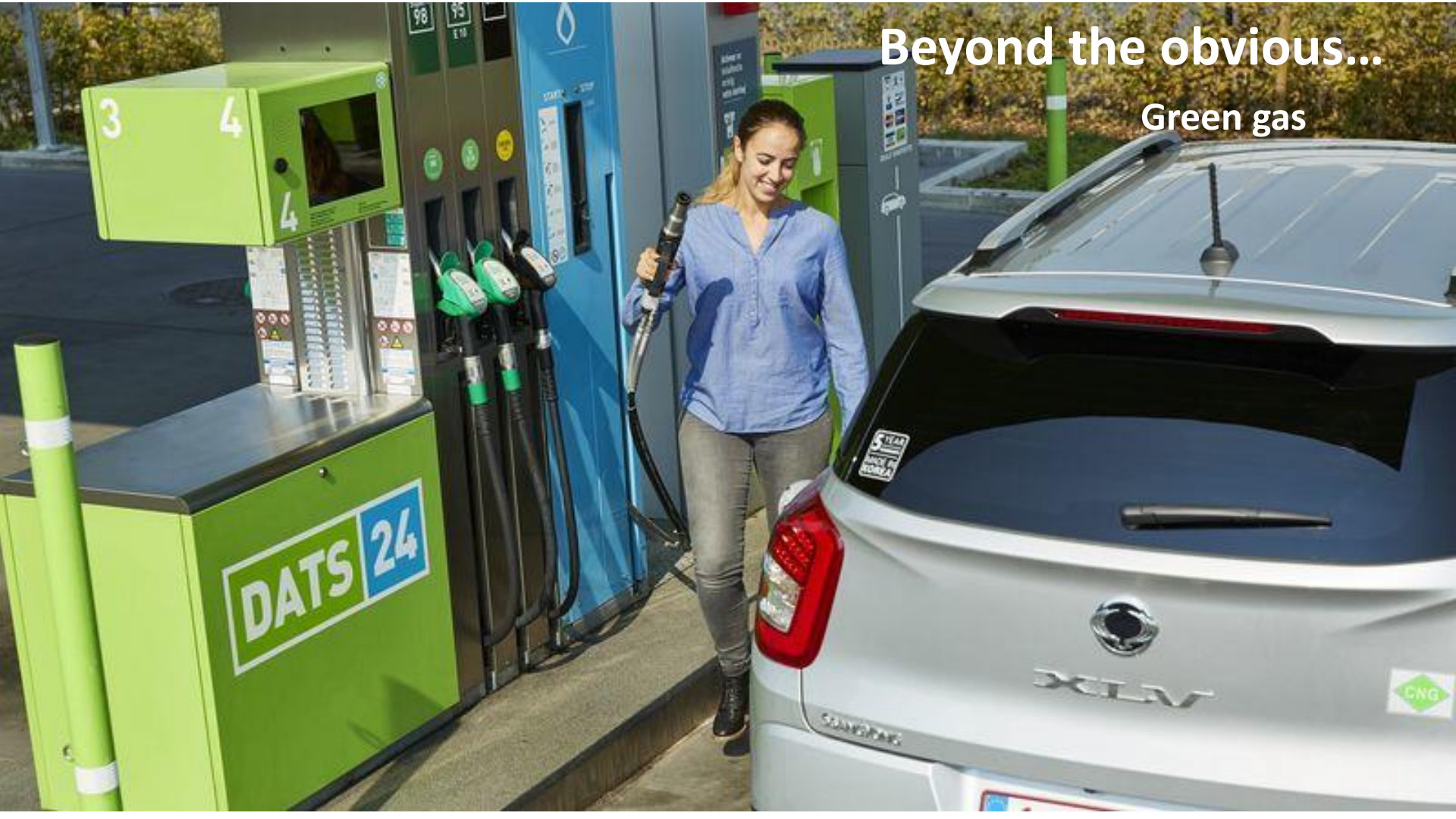
## Decarbonising Mobility / transport



- With special attention for:
  - Heavy duty
  - Long range

Beyond the obvious...

Green gas



# Beyond the obvious...

## Decarbonising industry

INDUSTRY & MARKET SHARE	KEY APPLICATIONS	SUPPLY SYSTEM	H2 DEMAND
 General Industry 1%	<ul style="list-style-type: none"><li>• Semiconductor</li><li>• Propellant Fuel</li><li>• Glass Production</li><li>• Hydrogenation of Fats</li><li>• Cooling of electrical Generators</li></ul>	<ul style="list-style-type: none"><li>• Small on-site</li><li>• Tube trailers</li><li>• Cylinders</li><li>• Liquid H2</li></ul>	LOW >0.07 Mtons
 Metal Working 6%	<ul style="list-style-type: none"><li>• Iron Reduction</li><li>• Blanketing gas</li><li>• Forming gas</li></ul>	<ul style="list-style-type: none"><li>• Cylinders</li><li>• Tube trailers</li></ul>	MEDIUM 0.41 Mtons
 Refining 30%	<ul style="list-style-type: none"><li>• Hydrocracking</li><li>• Hydrotreating</li></ul>	<ul style="list-style-type: none"><li>• Pipeline</li><li>• Large On-site</li></ul>	2.1 Mtons
 Chemical 63%	<ul style="list-style-type: none"><li>• Ammonia</li><li>• Methanol</li><li>• Polymers</li><li>• Resins</li></ul>	<ul style="list-style-type: none"><li>• Pipeline</li><li>• Large On-site</li></ul>	HIGH 4.3 Mtons





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