



COLRUYT
GROUP

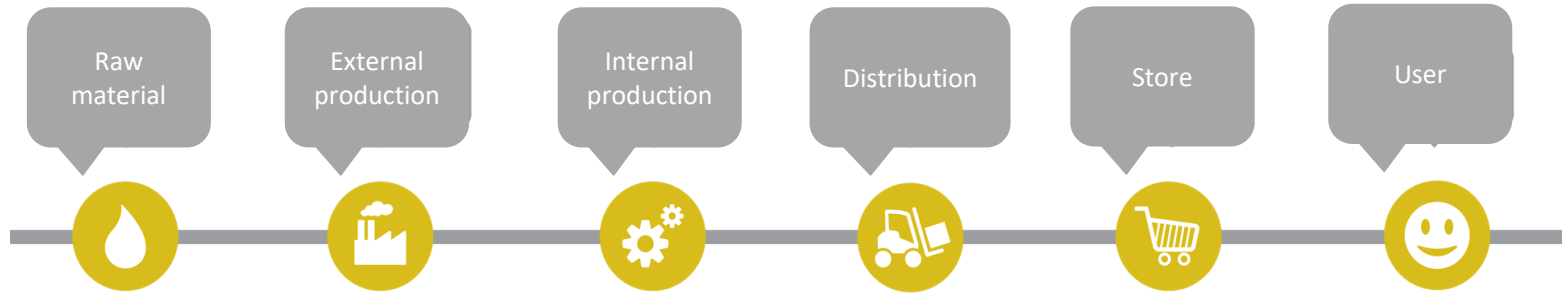
Hydrogen



Who is Colruyt Group?



Why?



direct & indirect impact

Why? Example

Employees



29.000+ employees
drive **900.000km/day**

Goods



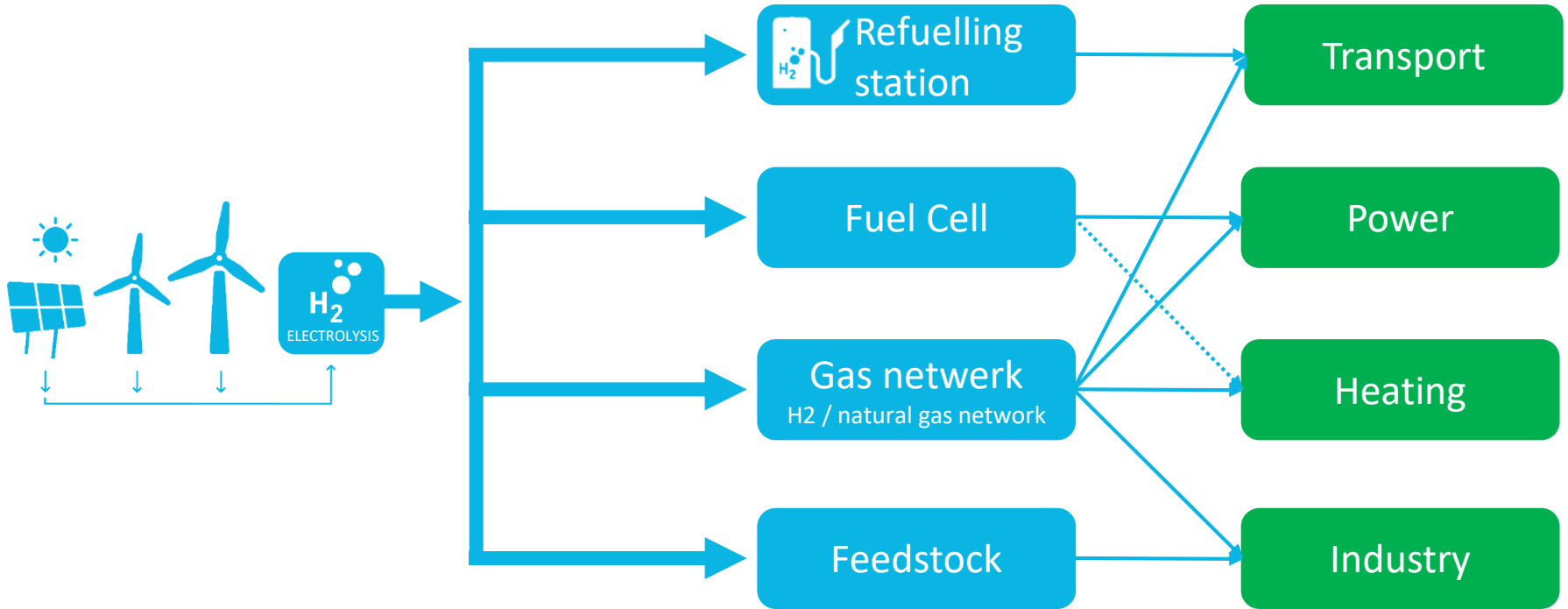
1.100+ shops
delivered by **1.000 trucks**
drive **130.000km/day**

Customers

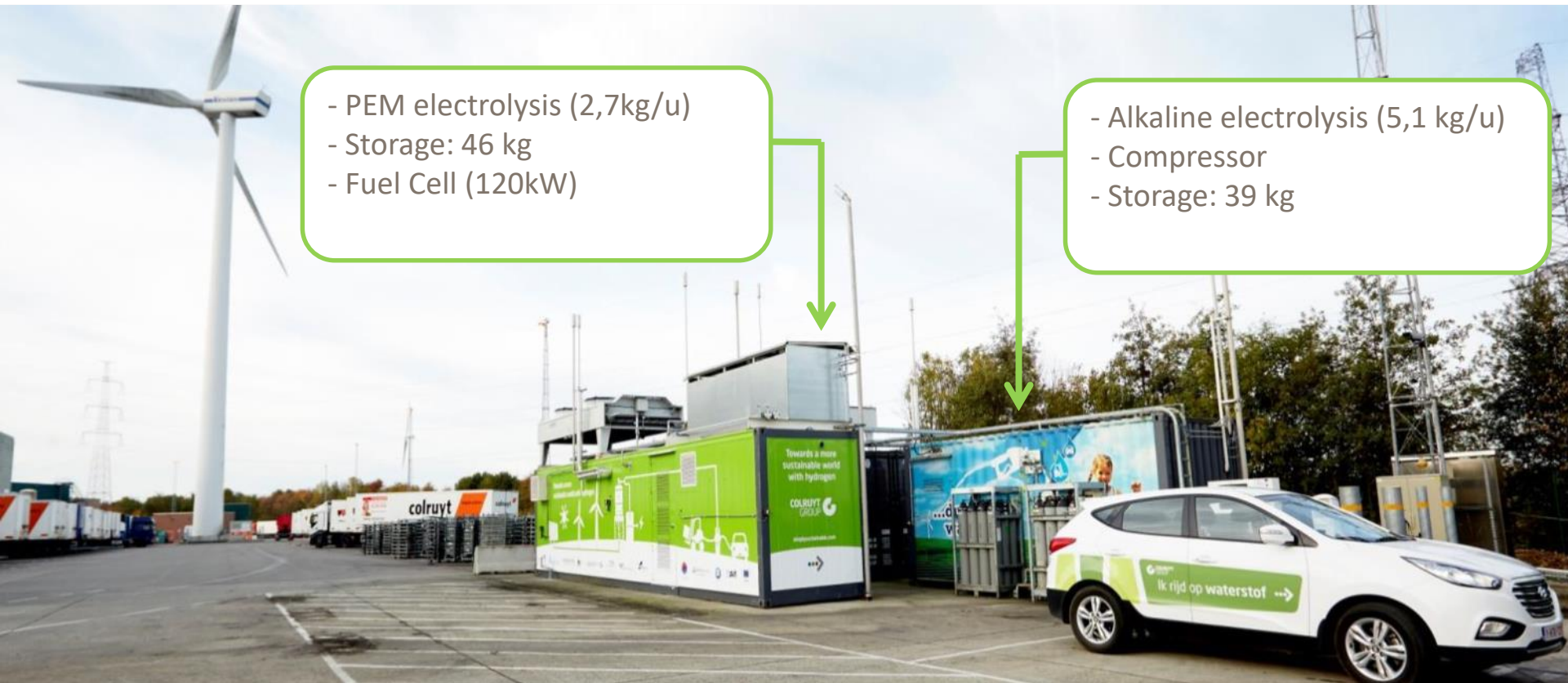


Our customers
drive **2.8 million km**
per day

Potential of green hydrogen



History



- PEM electrolysis (2,7kg/u)
- Storage: 46 kg
- Fuel Cell (120kW)

- Alkaline electrolysis (5,1 kg/u)
- Compressor
- Storage: 39 kg

Hydrogen for transport (logistics)

Forklifts

Interreg 
Vlaanderen-Nederland

Europees Fonds voor Regionale Ontwikkeling

Deployment of 75 fuel cells for forklifts
Installation of 2 indoor dispensers for forklifts

Hydrogen for transport (logistics)

Heavy-duty



Demonstration 27 ton rigid electric truck with fuel cell range extender in 4 countries (BE, NL, FR, GE)
Mobile refuelling station

Sub partners: Gemeente Helmond, VIL

Associated partners: DHL, Breytner, Cure afvalbeheer, Rijkswaterstaat, Colruyt Group

Partners: VDL, e-mobil, Hydrogen Europe, Wystrach, Automotive NL, TNO, WaterstofNet

Hydrogen for transport

Private cars

Interreg 
EUROPESE UNIE
Vlaanderen-Nederland

Europees Fonds voor Regionale Ontwikkeling

Public hydrogen dispenser (700 bar)
Multi-fuel, integrated and on-site
produced from renewable energy



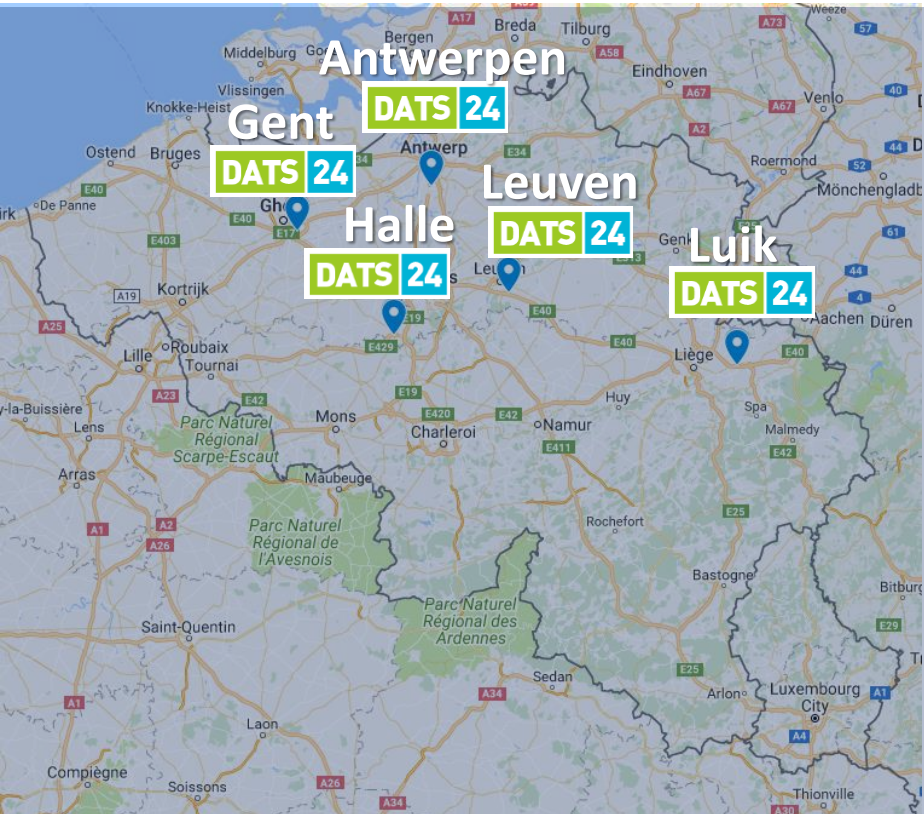
Hydrogen for transport

Private cars



13 Hydrogen company cars
(12 Hyundai ix 35 + 1 Toyota Mirai)

Hydrogen for transport - Upcoming



- Halle
- Wilrijk
- Gent
- Leuven
- Luik

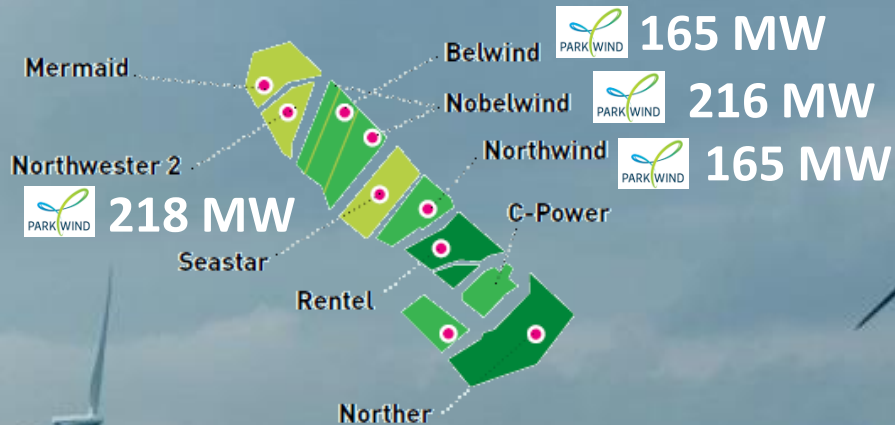


This project is co-funded by
the European Union

H2Benelux

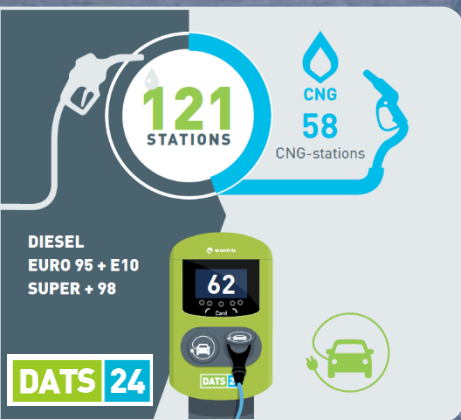
Belgium: 3 stations, Colruyt Group
Netherlands : 4 stations, Shell, Pitpoint
Luxembourg : 1 station, Shell

Offshore



Power-to-gas

Greener natural gas



Offshore wind energy +
multi-megawatt hydrogen production +
injection into natural gas grid

Other hydrogen activities



What is green hydrogen?

Guarantee of Origin

Pilot-phase

