



Massive production of **green hydrogen**



H2V develops, builds, owns and operates **large scale green hydrogen production plants** (100 MW or more) to **decarbonize CO₂-emitting sectors** such as industry or heavy mobility

H2V has been created in **2016** as a **pure player** for the development of large-scale green hydrogen plants. Headquartered in **France**, H2V intends to develop strategically **across Europe**.

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H2V expertise and projects

■ Since its inception, H2V has developed an **offensive development strategy** aimed at rapidly securing land, access to electricity grid connection and identify offtakers which allows it to benefit from a competitive advantage

■ Development led by H2V rely on the **expertise of the team** that has a proven and unique set of capabilities relying on their background

Focus on the main projects sold and in development

H2V Normandy (project sold) 200 MW project started in 2016

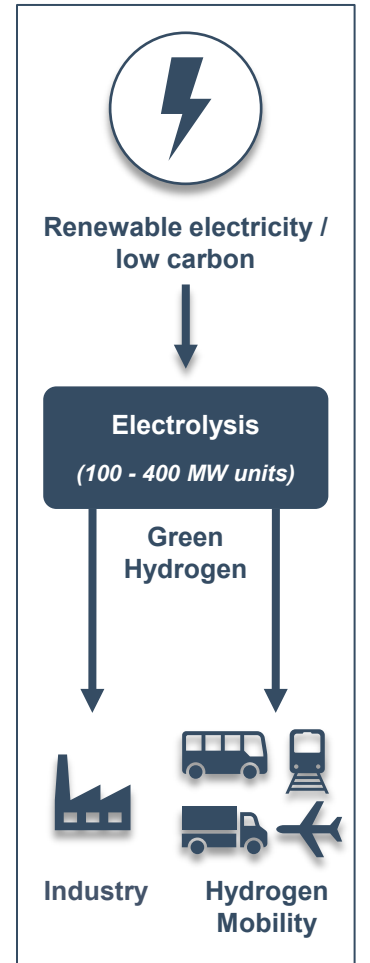
- 200 MW project (land secured in 2018)
- Air Liquide bought a 40% stake in 12/2020 and a further 60% in 11/2021
- Project fully developed by H2V: **land permitting, design EPC, construction and operating permits**

H2V Dunkerque (500 MW) 200 MW (Phase A) + 300 MW (Phase B) project started in 2018

- 500 MW project in Dunkerque in 2 phases (200 MW then 300 MW)
- **Building and operating permits** have been **obtained**, the **land** has been **secured** as well as **access to the network**
- **Agreement signed** with **an industrial client** to secure the offtake

Projects under advanced development

- H2V Fos: **600 MW (started in 2021)**
 - > 600 MW project in 2 phases (200 MW Phase A then 400 MW Phase B)
 - > **Advanced discussion** with a shipping company regarding securing the offtake. The aim is to produce e-methanol
 - > **GPMM** involved in the project' shareholding
- H2V Valenciennes: **400 MW (started in 2022)**
 - > **Valenciennes**: 200 MW (Phase A) for local industry and mobility and 200 MW (Phase B) for exportation in Belgium market
- H2V Thionville: **400 MW (started end 2021)**
 - > **Thionville**: 200 MW (Phase A) for local industry and mobility and 200 MW (Phase B) exclusively for industry



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A focus on H2V Dunkerque

Located in the heart of the port area, the H2V Dunkerque project, in the Hauts-de-France region, will be carried out in two stages on two sites: the first phase obtained in November 2022 all the permits necessary for its commissioning and the studies are underway for the second phase.

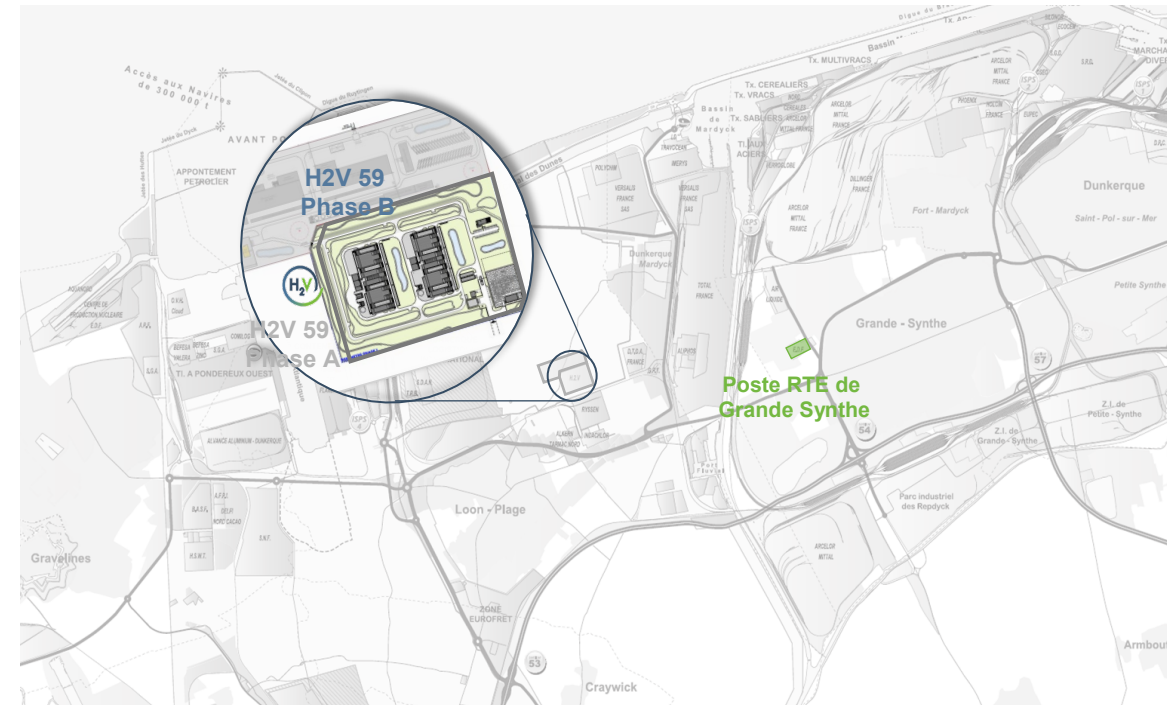
Phase A

- 200 MW of electrolysis capacity
- 28,000 T per year of green hydrogen produced by water electrolysis
- Commissioning in 2027
- Creation of around 120 jobs
- Investment around 250 million euros
- Permits granted, main suppliers selection underway

Phase B

- 300 MW of electrolysis capacity
- 42,000 T per year of green hydrogen produced by water electrolysis
- Commissioning 2029
- Creation of around 120 jobs
- Investment between 350 and 380 million euros

Main offtakers are the local steel industry and mobility



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STOP WAITING,
PRODUCE **TODAY**
PRESERVE TOMORROW

H2V PROJECTS

2030

3 GW
(405,000 T)



FRANCE TARGET

2030

6.5 GW



UK TARGET

2030

10 GW



EUROPE TARGET

2030

10 GW



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