



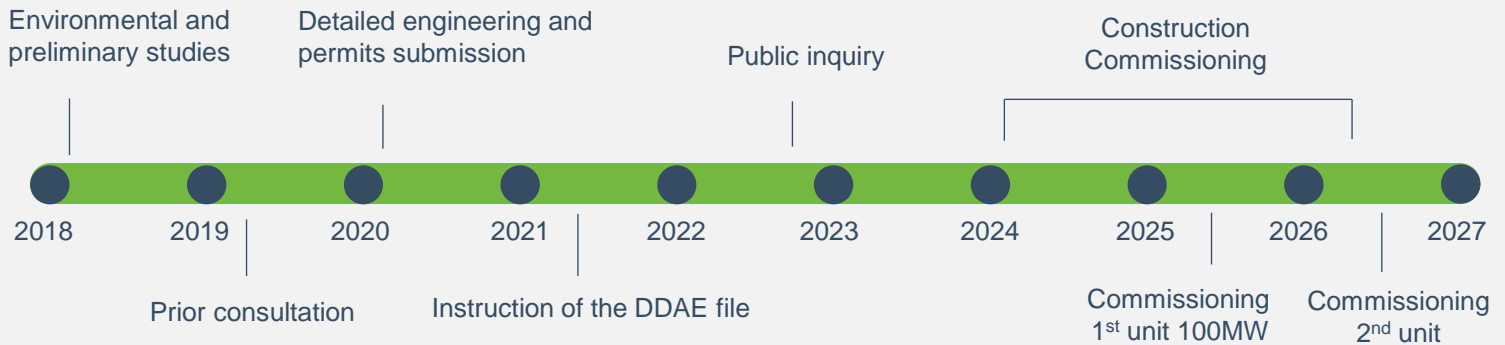
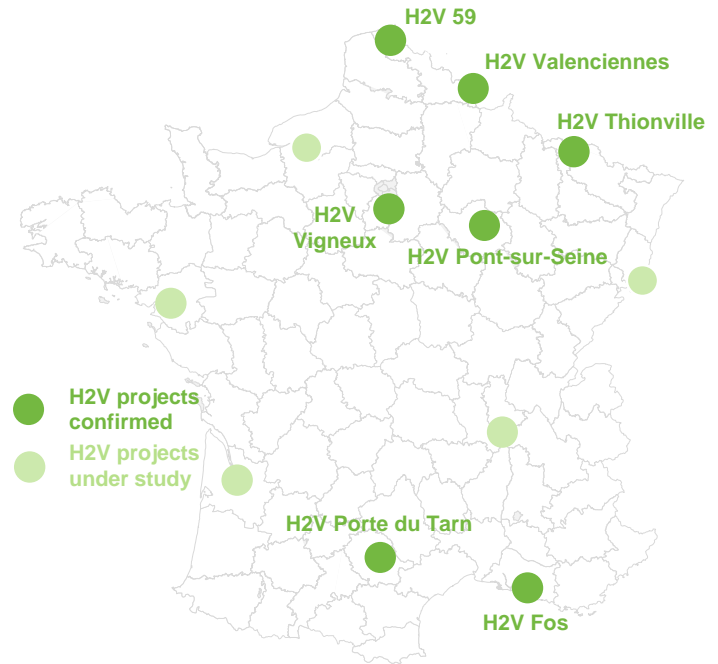
H2V 59 Project

Renewable hydrogen Gigafactory in the Hauts-de-France

Since 2016 H2V met the challenge of mass-producing renewable hydrogen to replace grey hydrogen, decarbonize industry and heavy mobility, the main CO₂ emitters. H2V has chosen to produce massively to optimize production costs and to develop a network of service stations to supply the entire country.

Located in the center of the port area of Dunkirk, an industrial basin responsible for 21% of French CO₂ emissions, the H2V59 project completes a major European energy platform.

- 2 production units of 100 MW (= **200 MW**)
- **28 000 T** per year of renewable hydrogen
- Produced by water electrolysis
- Commissioning in 2024-2025
- Creation of around **70 direct** and **50 indirect jobs**
- Investment of around **231 and 250 million euros**
- **280,000 tons of CO₂ avoided each year**, or the emissions of 160,000 cars



H2V59: a project to decarbonize the Dunkirk area and France

This hydrogen will be exported through a dedicated pipeline. It will be used to supply the port area's industries. In 2030, the H2V59 project will be able to turn fully towards heavy mobility.

H2V59 is part of the H₂ Hub in Dunkirk:

- An identified need for 350,000 t/year of green hydrogen by 2030
- 1.5 to 3 billion euros of investment required to decarbonize the Dunkirk industrial basin between 2021 and 2030
- 13.7 MT/year of CO₂ will be avoided by 2050 thanks to the H₂ and CO₂ hub

H2V59 will contribute to the emergence of a major H₂ hub (production, storage, transport, distribution).

