



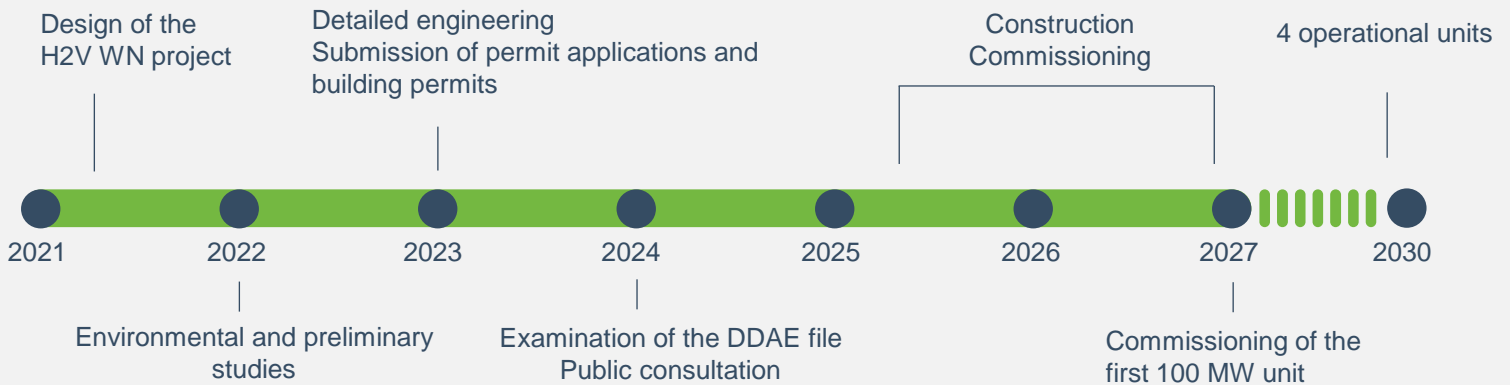
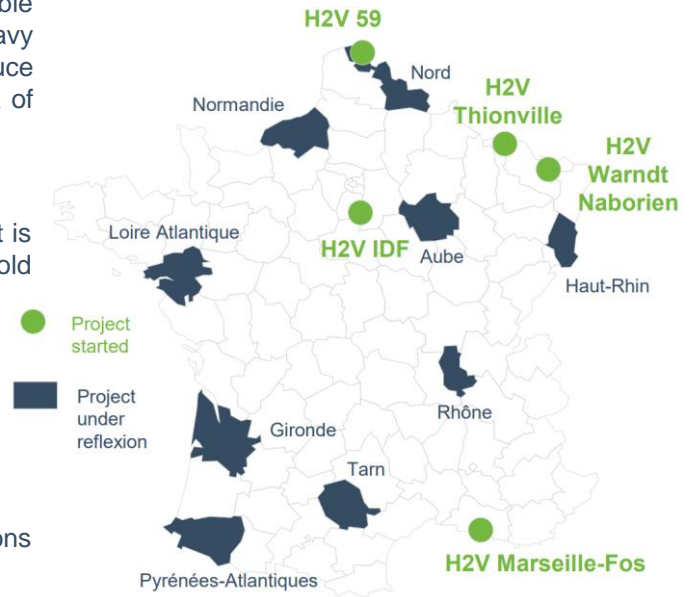
H2V Warndt Naborien Project

Renewable hydrogen Gigafactory
in the Grand Est

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.

Carried out in partnership with GazelEnergie, the H2V WN project is located on the site of the Emile Huchet power plant, near Saint Avold in the Grand Est region.

- 4 production units of 100 MW (= 400 MW)
- **56 000 T** per year of renewable hydrogen
- Produced by water electrolysis
- Commissioning in 2026
- Creation of around **120 direct** and **70 indirect jobs**
- Investment of around **500 and 550 million euros**
- **3,4 MT of CO₂ avoided each year**, or the emissions of 2 millions cars



H2V Warndt Naborien: a tailor-made project

With its German and Luxembourg partners, H2V has initiated the EEIG **Grande Region Hydrogen**, which aims to **accelerate the creation of a territorial hydrogen ecosystem** and is investing more than **€600 million to produce up to 61,000 T/year of hydrogen**.

The hydrogen produced will be transported via a **dedicated pipeline (mosaHYc)** and will supply industry and transport in **France, Germany and Luxembourg** (see diagram).

The project is part of the creation of a **local hydrogen industry** supported by a regional contract.



The **H2V WN** project is located on a **strategic mobility axis**, at the crossroads of **2 European transport corridors** (Ten-T corridors). It is also close to one of **France's 4 waterways**. **Many industries** are located nearby. The renewable hydrogen produced will supply **heavy mobility and local or cross-border industry**.