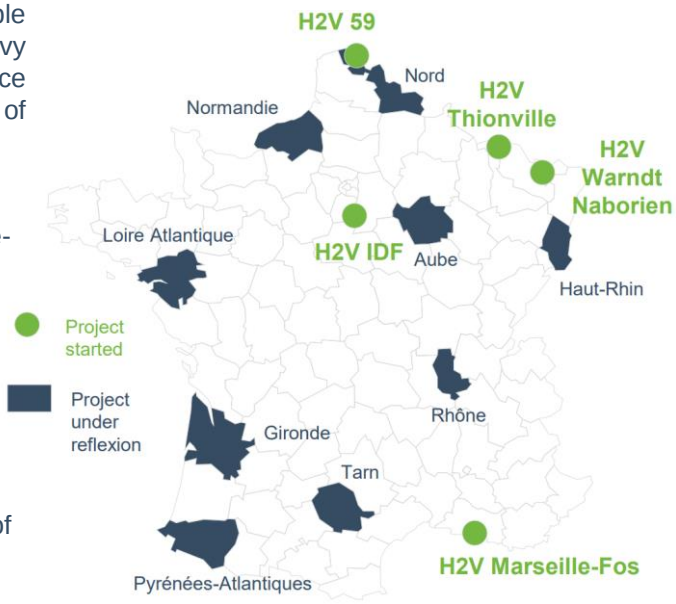
H2V Thionville Project

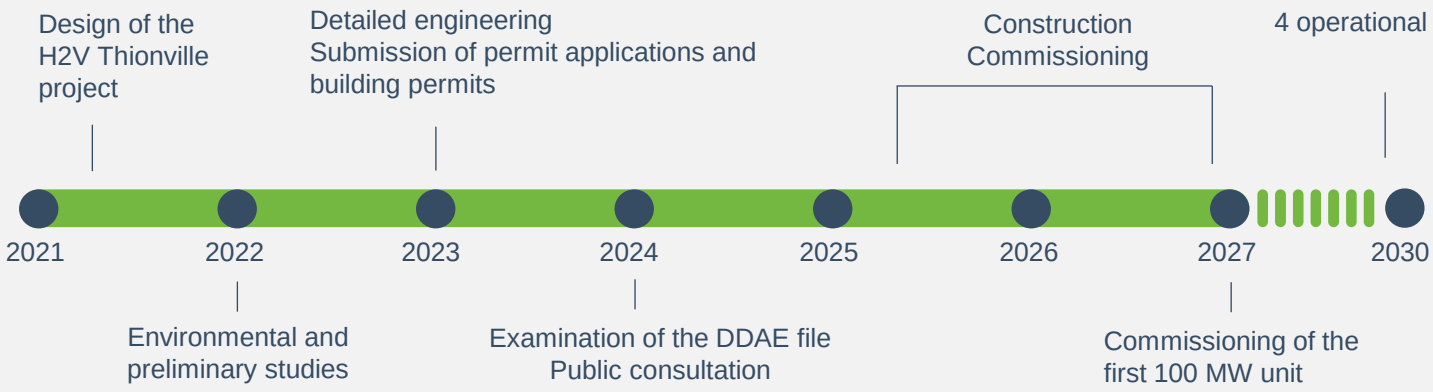
Renewable hydrogen Gigafactory
in the Grand Est

Since 2016 H2V met the challenge of mass-producing renewable hydrogen to replace grey hydrogen, decarbonize industry and heavy mobility, the main CO_2 emitters. H2V has chosen to produce massively to optimize production costs and to develop a network of service stations to supply the entire country.

The H2V Thionville project is located on the port site of Thionville-Illange 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 2027
- Creation of around **120 direct** and **70 indirect jobs**
- Investment of around **500 and 550 million euros**
- **560,000 tons of CO_2 avoided each year**, or the emissions of 320,000 cars





H2V Thionville: a tailor-made project, adapted to all forms of mobility

Located on the port site of Thionville-Illange, the **H2V Thionville** project is hosted by the E-LOG'IN 4 multimodal industrial logistics platform, at the heart of a **strategic mobility zone**, with direct access to motorways, a connection to the international rail network and to the quayside. A quality infrastructure that meets the needs of multimodal logistics, **allowing rail-road, rail-road-river, road-river and air freight backbone connections**. Multi-energy hydrogen stations of the Distry company, also a subsidiary of the Samfi group, will be set up nearby and will complete this dynamic.

Developed on a former industrial wasteland, the **H2V Thionville** project is part of an overall **circular economy** approach. The oxygen released during the production of hydrogen, for example, could be reused by the nearby wastewater treatment plant.