



**3 MW**  
**600 Nm<sup>3</sup>/h**

**Norwegian  
Hydrogen AS**

Hydrogen production  
and refueling plant

## Green hydrogen infrastructure for industry and mobility

Norwegian Hydrogen AS, Hellestø, Norway, is developing one of Norway's most impressive hydrogen plants with the Hellestø Hydrogen Hub (HHH) pilot project. In the UNESCO World Heritage Site of Geirangerfjord, the entire green hydrogen supply chain is being mapped to supply regional industry and for mobility applications on land and waterways – with the aim of decarbonising Norway.

## Norwegian Hydrogen AS

### 3 MW, Hydrogen production and refueling plant

Customer	Norwegian Hydrogen AS
Location	Hellesylt (Norway)
Application	Trailerfilling, Refueling Station
Output	3 MW, 600 Nm³/h
Commissioning	April 2024
Scope of delivery	Power container and PtG container, cooling and refrigeration unit, two compressors (type 2.0) (Maximator), pumps for 350 and 700 bar (Maximator Hydrogen), maintenance service

**Background / Initial situation** Norwegian Hydrogen AS, based in Ålesund, is developing hydrogen infrastructure in Northern Europe and has major industrial stakeholders such as the Flakk Group, Hexagon Purus, Hofseth International and Tafjord Kraftproduksjon. The plant is the starting point for further infrastructure projects. The site is close to the UNSECO World Heritage Site Geiranger Fjord. According to the Norwegian Ministry of the Environment, from 1 January 2026 only tourist ships and smaller ferries will be allowed to sail here if they do not cause any emissions.

**Realisation** The plant consists of several containers up to 40 feet long. The hydrogen is produced electrolytically with proton exchange membranes (PEM technology) at a pressure of 37 bar. Compressors, storage tanks, trailer filling stations and two high-pressure dispensers allow the refueling of different vehicles at 350 and 700 bar as well as the filling of mobile trailer storage tanks. The generated process waste heat is also used to heat local facilities. The green hydrogen required for this is produced using energy from hydroelectric power plants.

**Application** In addition to future mobility applications, the hydrogen produced is currently also being used for the emission-free production of asphalt by filling trailers.

