

Energy: support innovating energy private projects

Marine renewable energies

Nantes Métropole supports the development of a strategic sector concerning the Marine energy resources : offshore wind, energies from waves and tidal and biofuel from micro-seaweeds. Nantes Métropole via the innovation center Atlanpole contribute to the Pôle Mer Bretagne a Global economic competitiveness cluster.

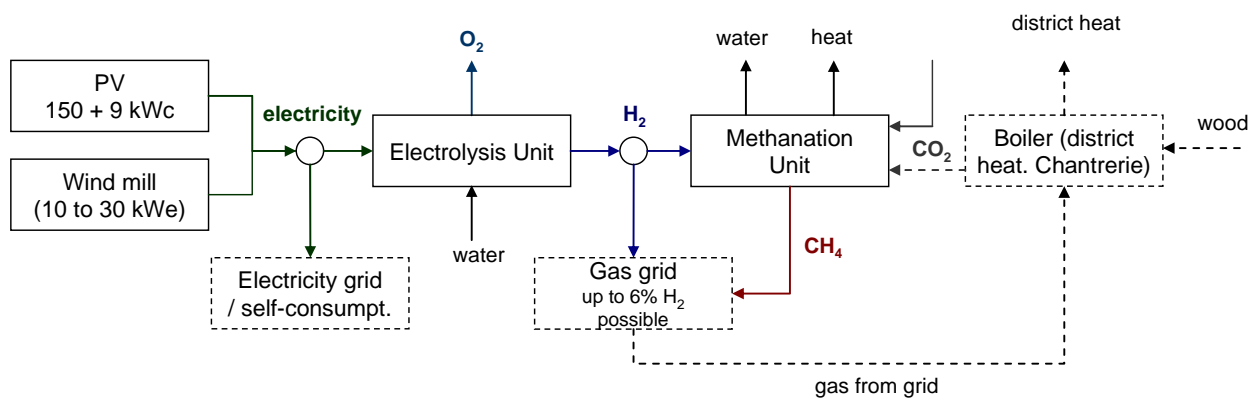
Nantes Métropole support also the companies cluster NEOPOLIA, to organize the new industrial sector of marine energy sources at regional scale. In this way, Nantes Métropole organizes company's establishment in particular in offshore wind engineering.



Energy storage: wind power to gas

Nantes Métropole supports the Power-to-Gas unit to establish interoperability from electricity to gas grids and enable the storage of renewable energy.

Stakeholders will study the feasibility, the design and the implementation of a completely integrated power-to-gas unit from renewable electricity production to injection of H₂ and synthesis gas into the natural gas grid, via command control and regulation



Project manager : AFUL chantrerie

Partners :

Financial partners:

- local authorities : Region des Pays de la Loire, Département de Loire Atlantique, Nantes Métropole,
- French Environment and Energy Management Agency,
- Cofely

Experts from:

- GDF – SUEZ scientist direction,
- Mines de Nantes school,
- Hydrogen agency,
- Energy and climate bends NGO

“Tougas” solar photovoltaic power plant

Nantes Métropole supports the development of private solar photovoltaic on Tougas site (St Herblain City). This power station is the largest renewable electricity equipment of the metropolitan area. It will take place on an retrofit waste stockage area. Nantes Métropole authorised private partners to use the site by an public agreement of land use. 14.5 ha will receive nearly 25 000 solar panels. The expected power installed is 6 MWc



The power station will use tracking systems that follow the sun's daily path across the sky to generate more electricity than conventional fixed-mounted systems.

The site will be design to discover the power station and inform citizens on renewable energies.

