

The HyTrEc project aims to improve access to and advance the adoption of hydrogen as an alternative energy vector across the North Sea Region.

Six European countries are involved in the project:

- Aberdeen City Council, Gateshead College, UK
- European Institute for Innovation, Germany
- Green Network, Denmark
- Hydrogen Sweden, SP Technical Research Institute of Sweden
- WaterstofNet, Belgium
- Narvik University College, Norway.

The objective is to promote:

- regional accessibility strategies;
- environmentally responsible energy production practices;
- the development of multi-modal and transnational transport corridors;
- the development of efficient and effective logistics solutions;
- sustainable growth solutions for expanding areas.

Hydrogen developments in the WaterstofNet region

The hydrogen developments in the Flanders-South Netherlands region are coordinated by WaterstofNet and are focused on:

- development of hydrogen refuelling infrastructure based on non-fossil fuel produced hydrogen
- demonstration and implementation of early-market applications relevant for the region (logistics, maritime, public transport)
- development of an interactive education program
- clustering local industry in projects

Since 2012 the following projects have been realised:

- 1 MW PEM fuel cell test facility on by-product hydrogen at Solvay in the port of Antwerp (2012)
- Hydrogen fuelling station with by-product hydrogen for 5 buses in Antwerp (2014)
- Hydrogen fuelling station with on-site electrolyser for fuelling material handling equipment (350 bar) near Brussels (2012)
- Hydrogen fuelling station with on-site electrolyser for fuelling buses, garbage trucks (350 bar) and passenger cars (700 bar) near Eindhoven (2013)
- Education programme on hydrogen for universities and colleges (2013)



WaterstofNet coordinates the development of a joint strategy plan for the implementation of hydrogen in the North Sea Region



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