



Press release
29 November 2016

HYDROGEN MOBILITY ROUEN (France)

The Métropole Rouen Normandie, GNVERT and McPhy Energy join forces to develop hydrogen distribution infrastructure for the Rouen metropolitan region.

Since 2010, the Métropole Rouen Normandie has been implementing an ambitious strategy for the development of sustainable transport within its territory. Deploying a distribution infrastructure for battery electric vehicles, fuel cell electric vehicles and rechargeable hybrids is a priority of the Metropole with the goal of reducing CO₂ emissions from vehicles with internal combustion engines. In line with initiatives adopted to support technological innovation seeking to decarbonise transport, the Metropole has equipped itself with a hydrogen refueling station. It has acquired two Renault Kangoo ZE-H2, battery electric van with Symbio FCell fuel cell range extender.

GNVERT, a subsidiary of ENGIE, will operate the facility starting in the 2017 first quarter, thus reinforcing GNVERT's commitment to promoting the development of hydrogen mobility. Designed and installed by McPhy Energy, this facility will make it possible to refuel hydrogen vehicles in five minutes at a 350 bar dispensing pressure. Located at Place of Boulingrin in the centre of Rouen, it will have a capacity of 20 kg of hydrogen per day capable of refueling a fleet of 50 fuel cell electric vehicles.

Rouen will thus become the second city in Normandy after Saint-Lô to deploy a hydrogen refueling station. This new milestone is fully in line with the project for the deployment of hydrogen mobility in Normandy initiated by the Region and the Manche department, in partnership with the ENGIE Group within the framework of the call for projects "*Territoires Hydrogènes*".

An energy revolution driven by users



For vehicle fleet operators having opted in favour of sustainable mobility, hydrogen combines the advantage of a significant increase in autonomy (by approximately twofold) in relation to battery electric vehicles with a refueling time comparable to conventional fuels.

Hydrogen occupies a decisive position within the energy revolution as the missing link providing the connection between renewable energies as inherently intermittent energy sources and the multiple applications of electricity that include sustainable mobility. Produced from water, hydrogen guarantees a clean energy source.

A program supported by the Metropole, Europe and the Region

The Rouen hydrogen mobility project is 50%-financed by the Métropole Rouen Normandie, 35%-financed by Europe and 15%-financed by the Normandy Region. The Rouen station is part of the EAsHyMob project, a major territorial demonstrator for hydrogen mobility. This project provides for the installation of 15 refueling stations from 2016 to 2018 to offer more effective coverage of the entire Normandy territory and attract new users.



Companies with recognised know-how

About GNVERT

Conscious of the environmental challenges and growing demand, GNVERT, subsidiary of the ENGIE Group, offers customised sustainable mobility solutions for companies and regional authorities seeking to reduce their environmental impact. ENGIE has been France's leading supplier of alternative fuels (CNG, Boing, LNG, Hydrogen...) since 1998 and operates 140 filling stations. GNVERT contributes to the development of hydrogen mobility through its participation in projects including notably HYWAY, GRHYD and H2ME-2.

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About McPhy Energy

As a supplier of hydrogen production, storage and distribution equipment, McPhy Energy contributes to the deployment of clean hydrogen as a solution for achieving energy transition.

Through its wide range of products and services dedicated to the hydrogen energy, zero emission mobility and industrial hydrogen markets, McPhy Energy provides turnkey solutions tailored to client applications: renewable energy surplus storage and valorisation, fuel cell electric vehicle refueling, raw material for industrial sites

After Paris, Lyon, Valence, La-Motte-Fanjas (on the site of McPhy Energy), Nantes (leased to Semitan, operator of the intercommunity public transit network) and Sarreguemines, Rouen will accordingly host the 7th refueling station equipped with the McFilling[®] solution out of the 14 sites in France.

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About Métropole Rouen Normandie

Grouping 70 municipalities and nearly 500,000 inhabitants around the city of Rouen, and covering an area representing 750,000 jobs, the Métropole Rouen Normandie exercises a role as economic motor for the metropolitan region of Northwest France to which it belongs. In charge of the major public services (water, public transit...) which are its core missions, the Métropole Rouen Normandie intervenes as a local government authority committed to addressing the priorities of daily life and serving the interests of its constituent municipalities.

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