COSMHYC DEMO
INNOVATIVE H2 COMPRESSION

Press Release

COSMHYC DEMO: Refuelling station is now ready to refuel hydrogen powered vehicles

31.01.2024 – At the Hyvolution Paris fair, the COSMHYC DEMO consortium and the "Touraine Vallée de l'Indre" community of municipalities (CCTVI) met to celebrate and announce the successful completion of construction work on the hydrogen refuelling station built in the scope of the EU funded COSMHYC DEMO project. This marks a significant milestone in the implementation of clean hydrogen mobility in the Touraine Vallée de l'Indre region.

After collaborative design and development work within the COSMHYC DEMO consortium, the construction phase and the technical installation have been successfully completed. The refuelling station is now ready to refuel hydrogen powered vehicles. Impressive progress has already been made as the hydrogen-powered refuse collection vehicle, developed and funded as part of the Interreg HECTOR project, is regularly refuelled at the new installed station.

The station was built and installed by NEL, a world leading company in hydrogen technologies based in Norway and Denmark. The project coordinator, from the European Institute for Energy Research (EIFER), commented: "The commissioning of the COSMHYC DEMO refuelling station, which includes the improved mechanical compressor developed by NEL in the previous COSMHYC projects, is a major milestone in preparing the demonstration phase of the COSMHYC hybrid compression solution. After the functionality of the HRS has been validated in this initial phase, the EIFHYTEC innovative compressor will be introduced and integrated, and the demonstration of the complete solution can begin."

Indeed, the so-called "dual" refuelling station enables refuelling commercial hydrogen vehicles at 350 bar as well as refuse collection vehicles and cars at 700 bar. Interested parties can already contact CCTVI for further information. With this initiative, CCTVI is demonstrating its resolute commitment for clean mobility and reduction of CO2 emissions. Once open to the public, later in 2024, the hydrogen refuelling station will both enable clean mobility in the region, and be of high relevance at wider scale as it is located 1 km away of motorway A10, which is a TEN T corridor, connecting Paris to Bordeaux. Therefore, the station will perfectly complement the existing French and European HRS network, bridging the gap between Nantes, Paris and Lyon and more generally, between BENELUX, Spain and Portugal. An "Avant Premiere" event will be announced in the coming weeks. This will be the occasion to present the pioneering technological installation and to consider its impact on regional mobility.

Co-funded by the European Union

Clean Hydrogen Partnership

The project is supported by the Clean Hydrogen Partnership and its members Hydrogen Europe and Hydrogen Europe Research.

COSMHYC DEMO construction site, 12.01.2024. Picture © CCTVI

For further information visit www.cosmhyc.eu, contact info@cosmhyc.eu or:

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About the project:

COSMHYC DEMO is a Horizon 2020 EU project funded by the Clean Hydrogen Partnership, coordinated by the European Institute For Energy Research (EIFER, Germany) which aims to demonstrate the maturity of an innovative hydrogen compression technology by installing it into an HRS in the “Touraine Vallée de l'Indre” region in France. With a budget of 3.7 M €, six consortium partners are working on improving this essential step of the hydrogen refuelling process. Cost reductions and improvements of the compression efficiency of are crucial for the success of hydrogen mobility.
More details on the COSMHYC projects series: www.cosmhyc.eu. Regular updates and news on twitter (@cosmhyc_fch) and LinkedIn (@COSMHYC project series).

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