



Press Release
March 4, 2021

HYPOR T chooses key partners to equip the first green hydrogen station at Toulouse-Blagnac airport

Following the signature of the framework agreement last June, HYPOR T took possession of a 2,600 m² site at the beginning of this year, which will include France's first hydrogen production and distribution station in an airport zone. To carry out this project, HYPOR T, 51% owned by ENGIE Solutions and 49% owned by the Regional Energy and Climate Agency (AREC), has announced that it has chosen McPhy¹ to supply the hydrogen production and distribution equipment, while TransDev Occitanie will provide the five hydrogen buses, four of which dedicated to passenger services. A new step in the energy transition of the Occitanie Region and Toulouse-Blagnac airport.

A green and local energy to sustainably decarbonize mobility and industry sectors

Designed to simplify the use of green hydrogen (production of hydrogen by electrolysis using electricity from renewable energy sources) for all stakeholders in the region (private individuals, companies, local authorities, etc.), the Toulouse-Blagnac station meets the needs of mobility, industrial and/or logistical uses.

Located in the immediate surroundings of the airport runways and roads, the two terminals integrated into the station will be equipped by McPhy. In order to enable all types of vehicles to be refueled (buses, light commercial vehicles, captive fleets, large goods vehicles, etc.), one of them will be equipped with a dual-pressure distribution system, enabling fuel to be supplied at 350 or 700 bar.

An electrolyzer built by McPhy will supply the two hydrogen recharging terminals on site. With a production capacity of more than 400 kg of zero-carbon hydrogen per day, the equivalent of 1 MW of high-power electrolysis, it will also be able to supply industrial sites interested in decarbonizing their processes.

To ensure the transport of passengers to the planes (airside) and car parks (city side), a contract for the construction and provision of 4 of the 5 hydrogen buses planned has also been concluded by Toulouse-Blagnac Airport with Transdev Occitanie. The regional company SAFRA, based in Albi, is responsible for the construction of the 4 transport vehicles.

Alongside the Toulouse-Blagnac airport project, which is in line with the ACI Europe Net Zero programme's commitment to "zero carbon emissions" by 2050, HYPOR T continues to

¹ Contract announced on 03 August 3, 2020 | <https://mcphy.com/en/press-releases/new-contract-high-capacity-hrs-ely/>

work with all public and private stakeholders in the region to integrate green hydrogen into the heart of the regional economy.

This station project carried out at the airport is thus the first brick in a vast Occitan ecosystem based on hydrogen. Supported by the Occitanie Region, the ADEME (the agency for ecological transition) and the JIVE 2 project, co-financed by the FCH JU, HYPOR is pursuing its development and assisting other projects, within a promising and increasingly dynamic sector.

Key figures:

- **5 hydrogen-powered buses** operated by Transdev, including 4 for Toulouse-Blagnac Airport
- **1 electrolyzer** of more than 400 kg/d
- **2 stations**, one on the airside and one on the city side
- **100% renewable energies** from local grids
- Nearly **200 vehicles** powered by green hydrogen

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About the AREC Occitanie www.arec-occitanie.fr

As tool of the Occitanie Region, the AREC manufactures energy transition solutions at the service of the territories. The Agency aims to propose adapted solutions to stakeholders, whether turnkey or specific, according to the contexts of the stakeholders in the territories of Occitanie. Neutral, it provides an objective vision of the solutions. As a trusted third party for the stakeholders of the territories and at the service of the general interest, AREC's added value lies in its unique accompaniment on the whole value chain of the energy transition: from upstream to the implementation and financing of projects. Moreover, the Occitanie Region has always positioned itself as a pioneer in the development of the hydrogen sector on its territory. This desire was illustrated as early as 2019 by the adoption of an unprecedented Green Hydrogen Plan, endowed with €150 million, which should notably make it possible to achieve the objective of becoming the 1st positive energy region in Europe by 2050. The AREC is actively participating in the deployment of the "green hydrogen" sector on the regional territory since 2016, as a contributor of the energy transition in Occitanie. The Agency provides technical support and invests in innovative production and distribution projects in order to deploy environmentally friendly hydrogen ecosystems. Thus, the AREC is already involved in major projects in Occitanie such as the HyPort project and the Hyd'Occ project.

About ENGIE Solutions - www.engie-solutions.com/en

ENGIE Solutions supports cities, industries and companies in the tertiary sector by bringing them the answers to the challenge of the energy transition thanks to turnkey and tailor-made offers.

ENGIE Solutions' experts put all their know-how at the service of three objectives: optimize the use of energies and resources, make energies greener and reinvent living and working environments.

ENGIE Solutions is the promise of a single point of contact and a combination of complementary offers that go beyond energy. Committed to results, the 50,000 employees, present throughout France (900 sites), are capable of operating in a wide range of fields, from the design to the operation of infrastructures and services, including financing, installation and maintenance.

ENGIE Solutions is part of the ENGIE Group, a global reference group in low-carbon energy and services, with the ambition to become the leader in the zero-carbon transition.

For ENGIE, green hydrogen is the missing link in a decarbonized ecosystem that promotes the harmonious progress of cities, territories and societies around the world.

Turnover: 10 billion euros

About HYPOR

Reflecting the desire of the Occitanie / Pyrénées-Méditerranée Region to integrate hydrogen into its energy transition, HYPOR proposes to develop infrastructures for the production and distribution of renewable hydrogen, particularly around airport ecosystems.

HYPOR is a company 51% owned by ENGIE Solutions and 49% by the Occitanie Regional Energy and Climate Agency.

In order to support the deployment of the first five hydrogen-powered buses (including four at Toulouse-Blagnac Airport) and initiate green and carbon-free mobility in the region, HYPOR has solicited, for this project:

- National funds through the ADEME's "Ecosystems of Hydrogen Mobility" tender, and the Occitanie Hydrogen Plan deployed by the Region;
- European funds through the JIVE 2 project (Joint Initiative for hydrogen Vehicles across Europe), supported by the European Union's Horizon 2020 research and innovation program, by Hydrogen Europe and Hydrogen Europe Research.

About the ADEME

At the ADEME - the Ecological Transition Agency - we are resolutely committed in the fight against global warming and the degradation of resources.

On all fronts, we are rallying citizens, economic players and territories, giving them the means to progress towards a resource-efficient, low-carbon, fairer and more harmonious society.

In all sectors - energy, the circular economy, food, mobility, air quality, adaptation to climate change, soil, etc. - we advise, facilitate and help to finance numerous projects, from research to the sharing of solutions.

At all levels, we put our expertise and foresight capacities at the service of public policies.

The ADEME is a public institution under the supervision of the Ministry of Ecological Transition and the Ministry of Post-Graduate Education, Research and Innovation.

In Occitanie, the ADEME is represented by a Regional Direction whose team is based in Toulouse and Montpellier.

The ADEME supports research and innovation works in the field of hydrogen for more than 15 years.

Since 2012, 22 projects have been selected in the framework of tenders for research projects. These projects cover both technological bricks (membranes, bipolar plates, storage tanks, etc.) and demonstrations in real conditions of use.

The ADEME supports the regional animation of the sector, provided by Hydeo in Occitanie, as well as the deployment of mobility uses via hydrogen territorial ecosystems, such as Hyport, for more than two years.

www.occitanie.ademe.fr

About the Occitanie Region

The Occitanie Region is committed to become the first Positive Energy Region in Europe by 2050 and has always positioned itself as a pioneer in the development of the hydrogen sector on its territory. This desire was illustrated as early as 2019 by the adoption of an unprecedented Green Hydrogen Plan, endowed with €150 million, which should in particular enable the Region to achieve the objective of becoming the 1st Positive Energy Region in Europe by 2050.

About Toulouse-Blagnac Airport - www.toulouse.aeroport.fr/en

Toulouse-Blagnac airport is the leading hub for passenger traffic in the South-West of France. The airport offers to its passengers an experience and services at the level of the best European standards: shopping and restaurant area in Halls C and D, boarding pier for low-cost and regional airlines in Hall A, 4-star hotel connected to the terminal. In 2020, ATB has refurbished its runway used for commercial traffic and tests by Airbus and ATR manufacturers. Toulouse-Blagnac Airport has also created a car park for aircraft embarking and disembarking on foot, facing Hall D, and a new boarding lounge. Involved in a sustainable approach for its business, Aéroport Toulouse-Blagnac is certified to level 3 of Airport Carbon Accreditation and is committed to zero CO₂ emissions, as part of the ACI Europe Net Zero 2050 program. ATB will soon host a hydrogen production/distribution station, which will power airside and city side passenger transport buses.

About the FCH-JU

The JIVE and JIVE2 projects have received funding from the Fuel Cells and Hydrogen 2 Joint Undertaking under grant agreement No 735582 and 779563. This Joint Undertaking receives support from the European Union's Horizon 2020 research and innovation programme, Hydrogen Europe and Hydrogen Europe Research".

The contents of this publication are the sole responsibility of HYPOR and do not necessarily reflect the opinion of the European Union.