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Press release
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Inauguration of the first European green hydrogen* production and distribution station located in an airport zone, at Toulouse-Blagnac airport

Promoted by HYPOR (51% owned by ENGIE Solutions and 49% by AREC Occitanie), the first European green hydrogen production, storage and distribution station in an airport zone has just been inaugurated in the presence of Carole Delga, president of the Occitanie Region, Pierre-André Durand, prefect of the Occitanie Region and the Haute-Garonne, Regional Delegate for ADEME, Céline Vachey, Regional Director of ADEME Occitanie, Christian Assaf, Chairman of AREC Occitanie, Philippe Crébassa, Chairman of the Management Board of Toulouse-Blagnac Airport and Catherine MacGregor, CEO of ENGIE Group.

This unique station will refuel buses serving passengers at Toulouse-Blagnac airport and shuttle buses for Airbus employees. It is also open to customers from outside the airport. This infrastructure will accelerate the energy transition in the Occitanie region, while building on the local fabric of economic players and industrial companies.

A hybrid station to decarbonise mobility

Located in the airport zone and close to major roads, the HYPOR station at Toulouse-Blagnac airport is the first green hydrogen production station on this scale in Occitanie. With a production capacity of over 400 kg of green hydrogen per day, equivalent to 1 MW of high-power electrolysis, the station can fuel around 20 buses or 200 light vehicles per day. The on-site electrolyser is supplied with 100% renewable and local electricity from the green power purchase agreement linking ENGIE group to the Fanjeaux photovoltaic farm (in the Aude) and hydropower dams in the Pyrenees. The station can be used not only for mobility, but also for industrial and logistics purposes.

Europe's only station located in an airport zone

This hydrogen hub comprises a station equipped with two distribution terminals, one landside and one on the apron, to supply light vehicles and hydrogen buses carrying passengers to and from aircraft and car parks. The HYPOR station can be used to refuel pushback tractors, generators that supply aircraft with electricity when they are on stand, along with lorries and coaches.

The site also includes an export zone, enabling potential surplus renewable hydrogen to be used for special events (generators), to decarbonise industrial processes, or to produce e-kerosene. The same zone can be used to import hydrogen during any peaks in consumption.

Developing a regional ecosystem of deeply committed players

Dedicated to developing the use of hydrogen as a sustainable alternative fuel, HYPOR designs and manages complete green hydrogen solutions, from production to distribution. The HYPOR station is the result of bringing together all the regional and national industrial and institutional players involved in the energy transition:

- The Occitanie regional energy and climate agency (AREC),
- The ENGIE Solutions teams, who put all their expertise into building the alternative fuel refuelling station,
- Toulouse-Blagnac airport, committed to “zero carbon emissions” by 2050 under the ACI Europe Net Zero programme,
- SAFRA, the designer and manufacturer of the 5 shuttles now operating on the airport apron,
- Transdev, operator of the Toulouse-Blagnac airport bus,
- Airbus, which supports the development of hydrogen hubs at airports.

HYPOR has forged 100% regional partnerships with local manufacturers, while encouraging other economic players to convert their fleets to hydrogen, a major alternative fuel. Lastly, the project is supported by the French agency for ecological transition ADEME, the Occitanie Region, and the JIVE 2 project co-funded by the European Union Fuel Cells and Hydrogen Joint Undertaking.

“Through the national strategy for the development of carbon-free hydrogen, with a budget of €7bn for 2020-2030 and a further €2bn from the France 2030 investment plan, the French government is investing massively to make the country a leader in carbon-free hydrogen. Hydrogen is one of the solutions for which production will need to be stepped up to help achieve carbon neutrality by 2050. By providing funding of €5.2m to the HYPOR hydrogen ecosystem, including €1.90m on the production-distribution side, the French government and ADEME are demonstrating their determination to support the development and structuring of an excellent green hydrogen sector in the Occitanie region, in particular to accelerate the decarbonisation of transport. Hydrogen offers a reliable and competitive alternative to conventional fuel. It also generates economic activity and jobs around a promising sector.”

Pierre-André Durand, Prefect of the Occitanie region, Prefect of the Haute-Garonne, Regional Delegate for ADEME

“It is a great source of pride to be inaugurating this first hydrogen station in the Occitanie region, which is also a first for the European airport sector. Decarbonising aviation also means reducing CO₂ emissions from ground operations, and hydrogen is a particularly effective lever for achieving this objective. ENGIE group is a preferred partner in the decarbonisation of the regions and HYPOR is a perfect example of the effectiveness of the collaboration with AREC Occitanie and all the local players who have contributed to making this project a success.”

Frank Lacroix, ENGIE's Executive Vice President in charge of Energy Solutions.

“With HYPOR, we have demonstrated that production of green hydrogen is a reality in Occitanie. This project is unique, and so is our commitment to it. AREC, the joint shareholder with its partner ENGIE Solutions, is responding to future energy needs in mobility, industry and logistics. We are investors with a regional interest in developing and consolidating the hydrogen sector and making Occitanie Europe's first Positive Energy Region.”

Christian Assaf, Chairman of the Occitanie regional energy and climate agency

“The inauguration of HYPOR, the only production and distribution station of its kind in Europe, puts the whole of the Occitanie region in the spotlight! A pioneer, the Occitanie region was the first to position itself to make green hydrogen a reality in France. As a result of the dedicated €150m plan adopted in 2019, the first on a regional scale, we are now

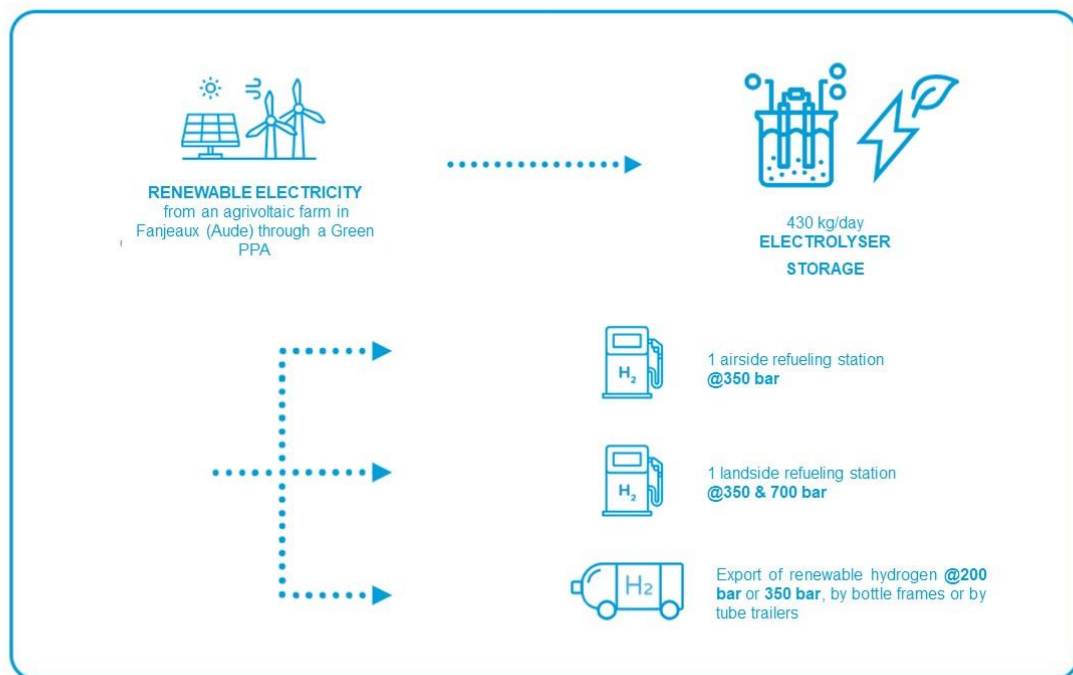
present across the entire hydrogen chain, from research to production and the development of uses. This lead has enabled us to participate in the emergence and implementation of ground-breaking projects such as HYPOR, and to benefit from a rich and well-developed regional ecosystem, making Occitanie a pilot region at national and European level."

Carole Delga, President of the Occitanie region

"Here at Toulouse-Blagnac airport, for the first time in Europe, a green hydrogen production and distribution station is in operation to transport our passengers. With this inauguration, Toulouse-Blagnac airport once again demonstrates its deep commitment to the rapid decarbonisation of its activities and its contribution to the energy transition in the Toulouse urban area. Today, we are all demonstrating a certainty: more than ever, involvement in innovative partnership projects is the solution to the environmental challenges we face. The applications of the HYPOR station on the platform are part of a dynamic plan with concrete short-term achievements, intended to support the transformation of airports, particularly within the framework of the PHARE 2 agreement and the European STARGATE project. Once again, the pioneering spirit that has shaped our airport and our region for decades is at work here. Well done to all the teams who contributed to this success."

Philippe Crébassa, Chairman of the Management Board of Toulouse-Blagnac Airport

*Until 1 January 2024, HYPOR is buying electricity with Guarantees of Origin issued by renewable energy producers. A Guarantee of Origin certifies that the electricity has been produced from a renewable energy source and has been injected into the electrical grid. From 1 January 2024, HYPOR will buy 50% of its electricity with Guarantees of Origin from SHER's hydropower dams in the Pyrenees and 50% renewable electricity from the Fanjeaux agrivoltaic farm in the Aude (southern France).



Key figures:

- 1 electrolyser capable of producing over 400 kg of hydrogen per day
- 2 stations, one airside and one landside
- 100% local and renewable energy
- Capacity for 20 buses or 200 light vehicles fuelled by green hydrogen per day
5 hydrogen-powered buses operated by Transdev, 3 for Toulouse-Blagnac Airport and 2 for Airbus employees

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About HYPORT - <https://hyport.fr>

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

HYPORT is owned 51% by ENGIE Solutions and 49% by the Occitanie regional energy and climate agency.

To support the deployment of the first five hydrogen-powered buses (including three at Toulouse-Blagnac Airport) and kick-start green, carbon-free mobility in the region, HYPORT has sought:

- national funding through ADEME's "Hydrogen Mobility Ecosystems" call for proposals, and the Occitanie Hydrogen Plan deployed by the Region;
- European funding through the JIVE 2 project (Joint Initiative for hydrogen Vehicles across Europe), supported by the European Union's Horizon 2020 research and innovation programme, Hydrogen Europe and Hydrogen Europe Research.

About ENGIE

ENGIE is a global reference in low-carbon energy and services. With its 96,000 employees, clients, partners and stakeholders, the Group strives every day to accelerate the transition towards a carbon-neutral economy, through reduced energy consumption and more environmentally friendly solutions. Inspired by its purpose ("raison d'être"), ENGIE reconciles economic performance with a positive impact on people and the planet, building on its key businesses (gas, renewable energy, services) to offer competitive solutions to its customers. <https://www.engie.com/>

About the Occitanie region

The Occitanie Region is committed to becoming Europe's first Positive Energy Region by 2050, and has long been a pioneer in the development of the hydrogen sector in its region. This commitment was illustrated in 2019 by the adoption of an unprecedented Green Hydrogen Plan, with a budget of €150m, which should make it possible to achieve the objective of becoming Europe's first positive energy region by 2050.

About AREC Occitanie www.arec-occitanie.fr

Acting as a tool for the Occitanie Region, the Occitanie regional energy and climate agency develops energy transition solutions serving the regions. As a trusted third party serving the public interest, AREC's added value lies in its unique support across the entire energy transition value chain: from upstream to project implementation and funding. AREC thus plays an active role in up-scaling energy transition projects in general and the deployment of the green hydrogen sector in particular. The Agency provides technical support and invests in innovative production and distribution projects to deploy environmentally friendly hydrogen ecosystems, such as HYPORT and HYD'OCC.

About ADEME

At ADEME – the French Agency for Ecological Transition – we are firmly committed to combating climate change and resource depletion.

On all fronts, we mobilise people, economic stakeholders, and regions, empowering them to move towards a resource-efficient, carbon-free, fairer, and more harmonious society.

In all areas – energy, the circular economy, food, mobility, air quality, adaptation to climate change, soils, etc., – we advise, facilitate and help finance many projects, from research through to solution-sharing.

At all levels, we dedicate our expertise and forecasting capabilities to help produce public policy.

ADEME is a public establishment under the supervision of the Ministry for Ecological Transition and Territorial Cohesion, the Ministry for the Energy Transition and the Ministry for Higher Education and Research.

In Occitanie, ADEME is represented by a regional office with teams based in Toulouse and Montpellier.

ADEME has been supporting research and innovation in the field of hydrogen for more than 15 years.

Over the past 3 years, ADEME has provided grants of more than €40m to support the hydrogen sector in Occitanie (including support for local ecosystems and the development of technological building blocks).

ADEME has been supporting the regional coordination of the sector, led by HyDeO in Occitanie, as well as the deployment of mobility applications via local hydrogen ecosystems, such as HYPORT, for more than two years.

www.occitanie.ademe.fr

About Toulouse-Blagnac airport - www.toulouse.aeroport.fr

With just over 7 million passengers in 2022, Toulouse-Blagnac is the leading airport hub in south-west France. The airport offers passengers an experience and services up to the highest European standards.

As part of its CARE 2021-2025 strategic plan, ATB is committed to a sustainable approach to its business: certified to level 3+ of ACI Europe's Airport Carbon Accreditation, the airport is home to a hydrogen production/distribution station that supplies landside and airside passenger transport buses, and is also taking part in the European Stargate project, which aims to develop innovative solutions for a sustainable, low-carbon airport ecosystem.

About the Clean Hydrogen Partnership www.clean-hydrogen.europa.eu

The JIVE 2 project has received funding from the Clean Hydrogen Partnership under grant agreement No. 779563. This public/private partnership is supported by the European Union Horizon 2020 research and innovation programme, Hydrogen Europe and Hydrogen Europe Research.

The JIVE 2 initiative aims for the widespread deployment of hydrogen-powered electric buses across Europe. As a result of the JIVE and JIVE 2 projects, almost 300 hydrogen-powered electric buses will be put into operation in 6 countries.

HYPOR is solely responsible for the content of this press release, which does not necessarily reflect the opinion of the European Union.