



PRESS RELEASE

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Groupe ADP and GRTgaz join forces to study hydrogen pipelines for Paris-CDG and Paris-Orly

GRTgaz, France's leading gas transmission operator focused on the energy transition, and Groupe ADP, a world leader in the airport industry, are launching a joint study to define the conditions for piping hydrogen to the Paris-Charles de Gaulle and Paris-Orly airports.

The two partners intend to combine their expertise to support the decarbonisation of air transport, by contributing to the emergence of a French hydrogen industry.

In 2021, Groupe ADP, Airbus and Air Liquide jointly carried out studies to characterise the challenges of integrating hydrogen infrastructures at Paris airports.

This new partnership follows on from this work to explore the conditions for transporting gaseous hydrogen to airports, with a view to liquefying and storing it before distributing it to aircraft. The aim of all this work is to support the arrival of hydrogen-powered aircraft, a major innovation for achieving carbon neutrality in air transport.

The work programme will last 12 months and the objectives of the study are as follows:

- ◆ Assess and compare, from a technical and economic point of view, the future major hydrogen supply chains for Paris airports from hydrogen import or production hubs;
- ◆ Identify the first possible routes (for chains made up of new pipelines);
- ◆ Define an estimated timetable for the implementation of these infrastructures.

GRTgaz will assess from a technical and economic point of view the various hydrogen supply logistics chains by reusing existing gas pipelines and building new ones. Groupe ADP will contribute its vision of the development of hydrogen demand at Paris airports, as well as its expertise in airport development integrating hydrogen.

Augustin de Romanet, Groupe ADP's Chairman and CEO, said: *"Hydrogen is part of the future of air transport. That's why we need to start enabling the first hydrogen applications on the ground at airports now, while being ready to welcome hydrogen-powered aircraft. This project, which we are proud to be working on with GRTgaz, is in line with our ambition to make Paris airports energy hubs serving sustainable air transport and the ecological transition of the regions in which they are located."*

Thierry Trouvé, GRTgaz's CEO, points out that *"thanks to its flexibility, hydrogen will play a major role in decarbonising the European economy, and in particular air mobility. Transport infrastructures will make it possible to transport hydrogen in large quantities. Some can be converted from transporting natural gas to transporting hydrogen. We are proud of the trust placed in us by Groupe ADP, because this partnership will enable GRTgaz to make real progress on the implementation of the European Hydrogen Backbone (EHB¹)."*

¹ The European Hydrogen Backbone project is designed to ensure security of supply for hydrogen consumers in Europe, with plans for a hydrogen network linking 28 European countries by 2040.

The latest report published as part of this project confirms the feasibility of a pan-European hydrogen infrastructure, based in particular on converted existing gas infrastructures. The study presents a hydrogen pipeline network of almost 40,000 km by 2040.

A collaboration resulting from GRTgaz's national hydrogen consultation

In June 2021, GRTgaz, an operator committed to developing renewable and low-carbon hydrogen transport activities, launched the first national consultation on the hydrogen and low-carbon market in order to identify the needs of market players in terms of gas transport and storage infrastructures.

Paris airports have a number of assets that could act as catalysts for the development of hydrogen in France and in the regions where they are located. They offer numerous deployment prospects for local uses such as heavy mobility, utility vehicles, taxi fleets, aircraft groundhandling equipment and, more specifically, for the emergence of hydrogen-powered aviation.

Groupe ADP was one of the first manufacturers to express an interest in GRTgaz's hydrogen consultation. Since then, discussions have taken place to assess the hydrogen mobility needs of Paris airports. The Group is gradually transforming its airport hubs into energy hubs, incorporating hydrogen and sustainable fuels to support the ecological transition on the ground and for aircraft.

In France, GRTgaz plans to develop a hydrogen network by 2030, both through new pipelines and by converting part of the existing gas network. GRTgaz has launched projects in emerging hydrogen basins in order to develop pipeline transmission infrastructure for emerging hydrogen ecosystems. In the longer term, the prospect of a national network linking the basins, interconnected on a European scale and incorporating storage facilities, is a consensus among the market players consulted.

About **Groupe ADP**

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Groupe ADP develops and manages airports, including Paris-Charles de Gaulle, Paris-Orly and Paris-Le Bourget. In 2022, the group handled through its brand Paris Aéroport 86.7 million passengers at Paris-Charles de Gaulle and Paris-Orly, and nearly 193.7 million passengers in airports abroad. Boasting an exceptional geographic location and a major catchment area, the Group is pursuing its strategy of adapting and modernizing its terminal facilities and upgrading quality of services; the group also intends to develop its retail and real estate businesses. In 2022, group revenue stood at €4,688 million and net income at €516 million.

Registered office: 1, rue de France, 93 290 Tremblay-en-France. Aéroports de Paris is a public limited company (Société Anonyme) with share capital of €296,881,806. Registered in the Bobigny Trade and Company Register under no. 552 016 628.

More information on www.groupe-adp.com and on twitter [@groupeadp](https://twitter.com/groupeadp)

About **GRTgaz**

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GRTgaz is Europe's 2nd largest gas transmission operator, with 32,618 km of pipelines and 640 TWh of gas transported. The company employs 3,330 people and has achieved sales of almost 2.1 billion euros in 2022. GRTgaz's raison d'être is "Together, making a secure, affordable and climate-neutral energy future possible".

GRTgaz is an innovative company undergoing major transformation to adapt its network to ecological and digital challenges, and is committed to a 100% carbon-neutral French gas mix by 2050. It supports the hydrogen and renewable gas sectors (biomethane and gas from solid and liquid waste). GRTgaz carries out public service missions to guarantee secure gas supply to its 879 customers (shippers, distributors, industrial companies, power plants and biomethane producers).

With its subsidiaries Elengy, Europe's leading LNG terminal operator, and GRTgaz Deutschland, operator of the German MEGAL transmission system, GRTgaz plays a key role on the European scene. The company exports its know-how internationally, in particular the services developed by its RICE research center.

For more information: www.grtgaz.com / Twitter, LinkedIn, Instagram and Facebook.