



Hypulsion's shareholders



Press release

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The public and private project Zero Emission Valley initiated by the Auvergne-Rhône-Alpes Regional council takes a new step forward.

The MAT consortium (McPhy, Ataway, TSM) is selected by Hypulsion to supply 14 hydrogen stations, several of which equipped with electrolyzers

Hypulsion, the company deploying Zero Emission Valley (ZEV), the largest renewable hydrogen mobility project in France and one of the most ambitious in Europe (20 stations and 1,200 vehicles), announces having chosen the MAT consortium made up of McPhy, Ataway and TSM to supply, on the basis of a framework contract, the equipment for 14 hydrogen stations, several of which equipped with electrolyzers for the on-site production of zero-carbon hydrogen. This contract represents a major milestone towards the appearance, in the heart of the Auvergne-Rhône-Alpes Region, of an exemplary ecosystem to deploy hydrogen mobility on a large scale.

"By awarding this contract, Hypulsion takes a decisive step forward within the Zero Emission Valley project. Our choice illustrates all the excellence and expertise of the hydrogen sector operating in the Auvergne-Rhône-Alpes Region. At a time when the current global health crisis has resonances with the climate crisis, Hypulsion is acting and investing by combining the creation of activity, employment and the fight against climate change. We share this common ambition with our financing partners, the Innovation and Network Executive Agency and the ADEME (the French Environment and Energy Management Agency)." testified Thierry Raavel, President of Hypulsion.

On an unprecedented scale in Europe, Zero Emission Valley enables to significantly accelerate the deployment of zero-emission hydrogen mobility in France

Zero Emission Valley is the largest hydrogen mobility project in France and one of the most ambitious in Europe. Laurent WAUQUIEZ, President of the Auvergne-Rhône-Alpes Regional council, expressed his wish to make Auvergne-Rhône-Alpes the first hydrogen territory in Europe. Thus, the Regional council launched in 2017 the Zero Emission Valley project to promote the deployment of hydrogen and develop tomorrow's zero-emission mobility. All the regional stakeholders involved in the sector (local authorities, companies, competitiveness clusters, research centers, etc.) have been federated by the Regional council. Indeed, 80% of the hydrogen stakeholders in France are located in the Auvergne-Rhône-Alpes Region.

The Zero Emission Valley (ZEV) project aims to deploy 20 hydrogen distribution stations and 1,200 hydrogen-powered commercial vehicles, within 3 years, in the region's major cities (including Lyon, Grenoble, Saint-Etienne, Clermont-Ferrand, Chambéry, Annecy, Bourg-en-Bresse, Moutiers, Riom and Valence-Montélimar). The synchronized deployment of vehicles and refueling infrastructure will be carried out by Hympulsion, a company having for shareholders the Auvergne-Rhône-Alpes Regional council, ENGIE, Michelin, Banque des Territoires and Crédit Agricole through the 5 regional banks of the Auvergne-Rhône-Alpes Region.

This project is remarkable by its scale, its innovative nature and also the quality of the partnership between public and private sector actors. This project as a whole will involve nearly €52 million over 10 years, including €15 million financed by the Auvergne-Rhône-Alpes Regional council, €14.4 million from ADEME¹ and €10.1 million of the European CEF Transport fund.

The ZEV program aims to make Auvergne-Rhône-Alpes the pioneering region for hydrogen mobility in France and one of the first carbon-neutral territories at the European level, by accelerating the deployment of fuel cell vehicles and hydrogen stations throughout the region while helping to create a profitable model that can be replicated on a European scale.

The McPhy, Ataway and TSM group will supply to Hympulsion 14 stations, several of which equipped with electrolyzers

With more than 50 references of hydrogen stations in France and Europe, a team of more than 100 employees spread over 4 sites in the Auvergne-Rhône-Alpes Region and a production capacity of 70 hydrogen stations per year, the three groups decided to combine their strengths within a joint and solidarity group: "MAT".

Selected on the basis of rigorous technical and economic criteria in a dedicated call for tenders, the consortium made up of McPhy (leader of the consortium), Ataway and TSM will, according to the framework contract, ensure the manufacture, supply and integration of 14 hydrogen stations. Several of these ones will integrate a McPhy new generation electrolyzer. Zero-carbon hydrogen for recharging vehicles will be produced on site by electrolysis of water from renewable electricity sources, for a true zero-emission mobility chain.

The group provides Hympulsion with a solid and highly experienced industrial organization, as well as a proximity, particularly thanks to its strong territorial roots. In addition to proven technological

¹ As part of the national plan Hydrogen, launched on 1 June 2018 by the Minister for Ecological and Solidarity Transition, the French Environment and Energy Management Agency (ADEME) has just approved €14.4 million in aid, on behalf of the French State, for the Zero Emission Valley project.

solutions, the MAT group places the dual objective of user satisfaction and economic performance at the heart of the project, while guaranteeing the highest levels of equipment quality and safety.

Laurent Carme, McPhy Chief Executive Officer, stated: *“McPhy teams are very proud to support this emblematic project, which embodies the energy transition at regional level. The scale of the project is making a significant contribution to the industrialization of the hydrogen industry and to the reduction of its costs, thereby making clean energy more competitive compared to fossil fuels. The success of this real premiere is linked to the coordination of major public and private sector players around structuring projects for the industrial and economic development of territories.”*

Jean-Michel Amaré, President of Ataway, declared: *“We created Ataway with the conviction that hydrogen is a real alternative to the use of fossil fuels and a response to the climate challenges. We are fortunate to be located in a region making innovation and sustainable development a priority and to be surrounded by many players who share the same ambition to reduce our carbon footprint and maintain environmental quality in these territories. We are therefore very honored to participate in this emblematic project at the European level and very happy that our products meet the evolving needs from the priming of fleets of several dozen vehicles to the networking of dense urban areas.”*

Hassen Rachedi, President of TSM, stated: *“TSM Group is honored to be selected for this first-rate project which is, for these teams, the culmination of 10 years of experience since our entry into the renewable energy sector. For TSM, the participation in the realization of this innovative project in terms of energy transition reflects all the research and innovative work carried out in recent years. This collaboration with such stakeholders in the sector is an opportunity for TSM to see its projects, which until now remained utopian, taking shape with the aim of providing a more environmentally friendly development for the future while meeting the needs of all.”*

It should be recalled the commissioning of the first hydrogen station of the ZEV project, which acted as an experiment before the regional deployment, in Clermont-Ferrand in 2019 ; and the inauguration in Chambéry, in mid-February 2020, of a Hymulsion station equipped with an Ataway distribution unit and a McPhy's Mclzyzer technology electrolyzer enabling the station to produce green hydrogen on site.

Financial partners



Cofinancé par le mécanisme pour l'interconnexion en Europe de l'Union européenne

Soutenu par



Key figures:

- 20 hydrogen stations
- 1,600 kg of green H₂ produced per day in the long run
- 1,200 hydrogen-powered vehicles
- 623,700 liters of fossil fuels saved
- 1,517 tons of CO₂ emissions avoided per year

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About Himpulsion

Himpulsion is a simplified joint-stock company aiming to finance, build, deploy and operate infrastructures for the production of renewable hydrogen and recharging stations for hydrogen-powered vehicles, and all associated services in accordance with the principles set out in the Grant Agreement of the Zero Emission Valley project. Himpulsion is a public-private joint-venture, having for shareholders the Auvergne-Rhône-Alpes Regional council, ENGIE, Michelin, Banque des Territoires and Crédit Agricole.

About McPhy

Specialized in hydrogen production and distribution equipment, McPhy is contributing to the global deployment of zero-carbon hydrogen as a solution for energy transition. With its complete range of products dedicated to the industrial, mobility and energy sector, McPhy offers its customers turnkey solutions adapted to their applications in industrial raw material supply, recharging of fuel cell electric vehicles or storage and recovery of electricity surplus based on renewable sources. As designer, manufacturer and integrator of hydrogen equipment since 2008, McPhy has three development, engineering and production centers in Europe (France, Italy, Germany). Its international subsidiaries provide broad commercial coverage for its innovative hydrogen solutions. McPhy is listed on Euronext Paris (compartment C, ISIN code: FR0011742329, MCPHY).

About Ataway

Founded in 2012 by Jean-Michel Amaré and Pierre-Jean Bonnefond, Ataway designs, manufactures and distributes energy solutions that integrate technologies in order to exploit hydrogen energy reliably, safely and efficiently.

Initially positioned on the market for energy supply solutions for isolated sites, Ataway is developing strong skills in decentralized and autonomous renewable energy and energy storage in the form of hydrogen.

Since 2015, Ataway has been involved in the hydrogen mobility segment, designs and manufactures a range of green hydrogen recharging stations to initiate hydrogen mobility projects and link territories into hydrogen stations.

Ataway hydrogen recharging stations are environmentally friendly, use French technologies and provide an answer for a sustainable energy transition.

About TSM

Historically specialized for more than 16 years in industrial piping, TSM positioned itself more than 10 years ago in the renewable energy sector and today offers turnkey hydrogen refueling stations. Thanks to the technical expertise acquired, TSM is today able to support any economic operator in its energy transition and at all stages of the project: from the study to the manufacturing, installation and maintenance.

Gathered on a single industrial site of nearly 4,000 m² located in Grenoble, TSM brings together multiple skills whose synergy ensures a very high-quality service.

At a time when economic and environmental concerns require to refocus as much as possible the activities on the national or even regional territory, TSM ensures a 100% manufacturing of its hydrogen stations in the Rhône-Alpes Region.