



Press Release

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A great start for Hynomed SAS, a new player in the Var for the development of green hydrogen

Albert Perez, Director of National & Southern Activities for ENGIE Solutions, Jacques Bianchi, President of the Var Chamber of Commerce and Industry, Richard Curnier, Regional Director of the Banque des Territoires en Provence-Alpes-Côte d'Azur, Yves Le Trionnaire, Regional Director of the ADEME Provence-Alpes-Côte d'Azur and Yannick Chenevard, regional councillor representing the President of the Southern Region got the Hynomed SAS (simplified joint stock company) off the ground on 21 October 2020 in Toulon. This new green hydrogen production and distribution company, a strategic element in the Hynovar* project, aims to deploy a hydrogen ecosystem that will serve land and sea mobility in the Provence-Alpes-Côte d'Azur region. Hubert Falco, President of the Métropole Toulon Provence Méditerranée sponsored the launch of this developmental project for the territory's energy transition and the future of metropolitan mobility.

Green hydrogen for sustainable mobility

The Hynomed company can count on three solid shareholders: ENGIE Solutions (51 %), the Var CCI (24.5 %) and the Banque des Territoires (24.5 %): an alliance of the territory's expertise and strengths that will allow it to deploy initially, in the Var, two green hydrogen production and distribution stations.

To the west of the Toulon metropolitan area, the Brégaillon port site, which is an important hub for maritime, land and rail transport, is where the first station is planned to be. Technical studies and consultation with all stakeholders will confirm its definitive location. Flexible and adaptable, this first station will be designed to increase its capacity over time. The operational schedule and order time frames mean it can be put into service at the end of 2022.

The station will then be able to refuel 7 to 10 metropolitan hydrogen buses, about 50 light utility vehicles and an innovative, fully hydrogen-powered boat shuttle that can hold 250 passengers, run by Bateliers de la Côte d'Azur and designed by the regional start-up HYSEAS.

This will allow us to prevent approximately 1,675 tonnes of CO₂ emissions every year!

The potential for development is substantial with, in the medium term, the supply of power for other uses such as port handling gear, and the conversion of a large number of industrial and agricultural fleets. Boatbuses, other land vehicles, and a rail service can all envisage turning to hydrogen in future for their energy transition.

Making the Var a pioneering, exemplary 'Hydrogen territory'

By contributing to the development of a durable green hydrogen sector that is suitable for new forms of transport, Hynomed intends to bring about environmental and public health benefits by eliminating CO₂ and fine particle emissions, which will improve air quality. *"The creation of Hynomed is another illustration of ENGIE Solutions' commitment to supporting communities and users as they move towards a carbon-neutral economy. The development of green hydrogen is a response to that ambition,"* says **Albert Perez**, Director of National & Southern Activities for ENGIE Solutions.

With the deployment of Hynomed, the Var will not only benefit from this clean energy to revolutionise land and water transport, but it will also be able to produce it, making it a real hydrogen territory. *"Hynomed is the first stone in the vast Hynovar project developed since 2016 to launch a new, virtuous, promising sector providing jobs that cannot be relocated. The Var CCI's commitment to Hynomed reflects its desire and capacity to mobilise all players and the economic fabric of the Var in the emergence of this vast hydrogen sector where there is so much to be done in a sustainable way,"* says **Jacques Bianchi**, President of the Var CCI.

Hynomed is therefore an ambitious, innovative and eco-responsible territory project. *"By supporting Hynomed, the Banque des Territoires is signalling its willingness to support decarbonised transport solutions for all public or private players, on land or at sea. The creation of Hynomed constitutes an innovative project that brings economic momentum and is a precursor of projects to come, marking considerable progress for the hydrogen sector in the region. This investment will make the Var territory more sustainable and more attractive,"* says **Richard Curnier**, Regional director of the Banque des Territoires en Provence-Alpes-Côte d'Azur.

Heavily invested in the Hynovar project, the Southern Region of Provence-Alpes-Côte d'Azur and the ADEME provide considerable financial support amounting to more than one third of operating costs, with €700 K for the Regional Interest Operation "Energies of tomorrow" and €6.45 M for the ADEME call for 'Hydrogen Mobility Ecosystems' projects, including €4.2 M to support Hynomed with the installation of electrolyser stations (€1.65 M) and the development of land transport (€2.55 M). *"The ADEME's support for the Hynovar project is a continuation of more than 15 years of research and development concerning hydrogen. At the ADEME, we support projects such as this to speed up the energy transition and co-build a territorial ecosystem that combines environmental durability and economic performance. This is what Hynomed is driving and bringing to our region today,"* explains **Yves Le Trionnaire**, Regional Director of the ADEME in Provence-Alpes-Côte d'Azur.

** The aim of the Hynovar project is to develop different technological bricks in the hydrogen sector, associating local means of green hydrogen production by prioritising the production of renewable energies and a number of innovative multi-sector applications in the industrial, agricultural and port areas of the regional and Var territory. The Hynovar programme is led by a consortium, bringing to the Hynomed shareholders other players such as the Bateliers de la Côte d'Azur company, the start-up Hyseas and the Paul Ricard racetrack. Source: <https://www.var.cci.fr/content/hynovar-l'hydrogène-made-var>*



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About Hynomed

The first company formed in the project devoted to the development of the hydrogen sector in the Var, an integral part of the Hynovar strategy, the Hynomed company reflects the willingness of the Var Chamber of Commerce and Industry, the Banque des Territoires and ENGIE Solutions to develop green hydrogen production and distribution infrastructures to serve decarbonised mobility.

Hynomed is a company with 51 % of shares held by ENGIE Solutions and 24.5 % held by both the Var Chamber of Commerce and Industry and the Banque des Territoires.

To support the deployment of hydrogen stations dedicated to maritime and land mobility, Hynomed benefits, in the context of its contribution to the Hynovar project, from part of the support from the ADEME and the Southern Region for this ambitious project.

Number of electrolyzers: 2

Locations: metropolitan port site + secondary site

Capacities: 400Kg/day and 20 kg/day

Schedule: Opening of the first station and deployment of the first uses at the end of 2022

About ENGIE Solutions

ENGIE Solutions supports towns, industries and companies in the tertiary sector, providing them with solutions to the challenges posed by the energy transition in the form of turnkey and bespoke packages

ENGIE Solutions' experts apply all their expertise in pursuit of three aims: optimising the use of energy and resources, greening energies and reinventing living and working environments.

ENGIE Solutions guarantees its clients a single point of contact and a combination of complementary offerings that go beyond energy. The company is committed to achieving results and its 50,000 employees which operate throughout France (900 sites) have expertise in an extremely diverse number of areas, ranging from the design and operation of infrastructure & services, to funding, installation and maintenance.

ENGIE Solutions is part of the ENGIE Group, one of the world's leading low-carbon energy and services groups whose purpose ("raison d'être") is to act to accelerate the transition towards a carbon-neutral world.

Turnover: €10 billion.

<http://www.engie-solutions.com>

About Var CCI

The spokesperson for 60,000 Var companies, and a member of the network of 112 CCI in France, the mission of a metropolitan Chamber of Commerce and Industry, a public institution of the State, is to support economic development. Through its various professions of trainer, Departmental economic development agency, land developer, builder and manager of large facilities, the Var CCI makes the choice to participate in additional, more ambitious missions. It develops highly challenging attractive spaces such as the Plateau de Signes business park or the La Rade ports in Toulon, and the Grande Tourrache campus in La Garde. Since 2017, it has led the structuring of a Var hydrogen sector, which will bring work and wealth to all the value chain professions. It therefore has a 24.5 % shareholding in the Hynomed company, the keystone of the Hynovar project, to bring the territory the first indispensable infrastructures for the sector's emergence. A partner in 26 European projects including 'Alacres2', it allows the territory and its companies to obtain direct and indirect funding.

www.var.cci.fr |  @CCIduVar

About the Banque des Territoires

Created in 2018, the Banque des Territoires is one of the Caisse des Dépôts' five business lines. It brings internal skills together in one structure to serve the territories. A unique customer gateway, it proposes customised consulting and loan and investment financing solutions to meet the requirements of local communities, social housing organisations, local public enterprises and the legal professions. It covers all territories, from rural areas to metropolitan districts, and aims to fight social inequality and territorial divides. The Banque des Territoires is deployed in 16 regional departments and the 35 territorial installations of the Caisse des Dépôts in order to be better identified by its clients and nearer to them. For more attractive, inclusive, durable and connected territories.

www.banquedesterritoires.fr |  @BanqueDesTerr

About the ADEME



At the ADEME – the Agency for ecological transition –, we are strongly committed to the fight against global warming and the depletion of resources.

On all fronts, we mobilise citizens, economic players and territories, and give them the means to advance towards a society that is economical with its resources, has a lower carbon footprint, and is fairer and more harmonious.

In all domains – energy, air, circular economy, food, waste, soil... – we advise, facilitate and help with the financing of many projects, from research to the sharing of solutions.

At all levels, we place our capacities of expertise and anticipation of trends at the service of public policies.

The ADEME is a public establishment under the authority of the Ministry of Ecological Transition and the Ministry of Further Education, Research and Innovation.

www.ademe.fr |  @ademe

About the Métropole Toulon Provence Méditerranée

Since its creation in 2002, Toulon Provence Méditerranée has exercised a certain number of transferred skills, in the place of the member municipalities. On 1 January 2018, the agglomeration became a metropolis and several skills that had been shared until then were transferred to it.

The shared ambition of the Hynovar project and the Hynomed company resonate in a number of them, including: transport, mobility, energy transition, sustainable development, and the circular economy. The metropolis is ready to contribute to the development of the hydrogen sector and to support its implementation throughout the territory.

www.metropletpm.fr

About Alacres2



Alacres 2 belongs to the Interreg Marittimo family of European projects related to risk management in a port environment and to the joint improvement of marine safety. Alacres 2 is part of a cluster of projects from this same family alongside OMD, ISIDE, SINAPSI, and LOSE+. The main objective of this project is the creation of a permanent laboratory capable of identifying, testing and validating the management of emergencies in case of accidents, crises or major disasters arising during the loading and unloading of dangerous goods and substances at the port. Next, it aims to identify management procedures that help to improve operators' skills during the loading and unloading of goods. To achieve this, partners including the Var CCI are going to study the behaviour of the various agents who intervene in the ports, to test new behaviour protocols, new forms of monitoring and new support technologies. For this reason, the decision was made to use MS2G technology: Modelling, Interoperable Simulation & Serious Games. The research will be used to create a system that simulates two types of major incidents (fire, tank explosion, terror attack...). For the port of Toulon, the project's technical committee, which met at the beginning of October, approved the choice to simulate a major crisis related to hydrogen at sea. Agostino Bruzzone, the project leader, was therefore keen to be involved in the launch of the company charged with deploying the first hydrogen refuelling station dedicated to maritime mobility. In particular, he was able to present the project to the port and maritime authorities mobilised for the event. <http://interreg-maritime.eu/fr/web/alacres2/projet> |  @GRegetMARTine