

Press release – Paris, May 14, 2024

Fives launches HyGen: €7.5M to develop carbon-free mobility using liquid hydrogen



The HyGen project is led by **three major experts**: Fives, a global industrial engineering group, leader of the consortium, and two main research players, the CEA and the École des Mines de Saint-Etienne.

This research and development program aims **to substantially increase the scale of the equipment** necessary for the use of liquid hydrogen in favor of low-carbon mobility.

HyGen received **funding of €3.4M from the French Government as part of the program France 2030 operated by ADEME** and is thus fully part of the French national strategy to boost decarbonized hydrogen.

This project will **contribute to the creation of 85 new jobs in the Grand-Est region** where the Fives group has been established for over 120 years.

TECHNOLOGICAL LEADERSHIP IN HYDROGEN AT THE SERVICE OF LOW-CARBON MOBILITY

A technological leader in cryogenics for 65 years, **Fives, with more than 50 references in hydrogen liquefaction, is the partner of the world's largest players in industrial gases.**

Thanks to the alliance of the members of the consortium expertise, HyGen aims to:

1. Remove **technological barriers** to scale-up liquefaction equipment and multiply existing capacities by ~10
2. **Strengthen the reliability of the equipment and secure their use**
3. Contribute to **improving France's competitiveness** in hydrogen and to the **creation of a strong sector** around liquid hydrogen
4. **Meet the growing demand** for hydrogen on the global market in favor of green mobility

A HISTORIC PLAYER IN THE ECONOMIC DYNAMISM OF THE GRAND-EST REGION

The hydrogen equipment are designed in Fives' workshops in Golbey, in the Vosges, where the **Group employs more than 370 people.**

To support the growth of its hydrogen activity, **Fives plans to recruit 85 new people by 2030 in its key professions** (preliminary design, engineering, quality, welding, production, etc.). The HyGen project will also involve third-party stakeholders (subcontractors, suppliers) and thus boost the regional economic ecosystem.

"As a leader in hydrogen liquefaction equipment, we are proud, with the HyGen project, to participate in the growth of this sector in France. A pioneer in the decarbonization of industry, Fives aims, with its partners, to support the energy transition and the green mobility" declares Vincent Pourailly, President of the Business Line Energy | Cryogenics of Fives.



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About Fives

Fives, your partner for a more efficient and virtuous industry

From the first railway lines to the Eiffel Tower lifts and factory 4.0, for over 200 years Fives has been designing the disruptive solutions and technologies that make up industry. As a pioneer of decarbonization and digitalization, Fives is always one innovation ahead thanks to its ability to anticipate customer needs. By responding to the specificities of each market locally, Fives combines economic and environmental performance in 25 countries thanks to its 9,000 employees.

More information: www.fivesgroup.com



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