



Paris, September 23<sup>rd</sup>, 2025

## **SMITDUMV, SUEZ, SIPeNR, and the Banque des Territoires inaugurate the largest renewable hydrogen production and distribution station in France, directly powered by an energy-from-waste facility**

After 12 months of construction, the project leaders of H2 Créteil inaugurate a new renewable hydrogen production and distribution station, based in Créteil, connected to the energy-from-waste facility of the SMITDUMV, the local authority in charge of waste management in Val-de-Marne. As the first plant to be directly and exclusively connected to an energy-from-waste facility in France, this new unit will produce one ton of renewable hydrogen<sup>1</sup> per day from household waste. It provides a new energy solution for green mobility stakeholders in Val-de-Marne and, more broadly, in the Ile-de-France region.

### **The first hydrogen production and distribution plant connected to an energy-from-waste facility in France**

Led by H2 Créteil, a company bringing together SUEZ, SIPeNR (a subsidiary of Sipperec) and the Banque des Territoires, this innovative project will use electricity generated from household waste combustion, coming from the 19 municipalities<sup>2</sup> of the SMITDUMV. It will produce one ton of renewable hydrogen per day through water electrolysis, and the production capacity could eventually be doubled to reach two tons per day.

SUEZ, the operator of the Créteil energy-from-waste facility, has provided H2 Créteil with the land for the installation of the station's equipment and will supply the water and electricity needed for the electrolysis process. SIPeNR provided financial support and legal expertise, while the Banque des Territoires completed the project's financing as part of the European CEF Transport Alternative Fuels Infrastructure Facility program.

<sup>1</sup> The energy produced by the energy-from-waste facility is a recovery energy, with 50% originating from renewable sources. Under its contract with the energy-from-waste facility operated by ValoMarne, a subsidiary of SUEZ, H2 Créteil acquires only a portion of the renewable energy generated by the facility, ensuring its renewable origin using guarantees of origin.

<sup>2</sup> The 19 municipalities are Bry-sur-Marne, Champsigny-sur-Marne, Fontenay-sous-Bois, Nogent-sur-Marne, Le Perreux-sur-Marne, Saint-Maur-des Fossés, Villiers-sur-Marne, Alfortville, Boissy-Saint-Léger, Bonneuil-sur-Marne, Chennevières-sur-Marne, Créteil, La Queue-en-Brie, Le-Plessis-Tréville, Limeil-Brévannes, Noisieu, Ormesson-sur-Marne, Sucy-en-Brie, Villeneuve-Saint-Georges

## A circular and local solution to support the region's energy transition

With this new infrastructure, the SMITDUVM advances the region's energy transition. Starting from its commissioning in October 2025, the H2 Créteil station will supply hydrogen to Ile-de-France Mobilités bus line 103, operated by the RATP. It will also supply hydrogen for household waste collection trucks in Grand Paris Sud Est Avenir and neighbouring areas. Additionally, the station will be accessible to private vehicles 24/7 and has been listed since September 2025 on the FillnDrive app, which provides real-time information on hydrogen stations availability, refuelling capacity, and pump prices. Finally, the hydrogen produced can also be exported to other distribution stations across Ile-de-France.

The Créteil site offers the optimal setup for the development of hydrogen mobility. Its geographical location is a major asset: located near a key road junction (A86, RN 6, and RN 406) and numerous commercial areas, it is about a dozen kilometers from Paris. Hydrogen vehicles will thus be able to drive within the low-emission zone of the Greater Paris Metropolis and beyond without any tailpipe pollution.

This project, led by SMITDUVM, SUEZ, SIPenR, and the Banque des Territoires, will be one of the first to produce locally sourced renewable hydrogen at a price as competitive as diesel. It will help avoid the emission of approximately 1,500 tons of CO<sub>2</sub> equivalent per year, which is equivalent to the emissions of 17 diesel buses.

## A key step in the ecological transition of Val-de-Marne

This hydrogen unit is part of the SMITDUVM's strategy to improve the environmental footprint of the energy-from-waste facility, complementing the energy benefits derived from waste recovery (heat production for the urban heating network of Créteil and Maisons-Alfort as well as electricity to replace fossil energy).

Supported and financed by ADEME, the Ile-de-France Region, and the European Commission, this project reflects commitment of local territories to develop alternative energies to accelerate ecological transition. It aligns with the objectives of the national strategy for decarbonised hydrogen, which plans to allocate €9 billion euros by 2030 to develop this energy, beneficial for job creation, air quality, and the fight against climate change.

**Axel Urgin, President of the SMITDUVM:** *"For SMITDUVM, the creation of this hydrogen production and distribution station, directly connected to the Créteil plant, is a major milestone in our energy recovery strategy to support the ecological transition of Val-de-Marne. Unprecedented in France, this facility will not only be innovative in terms of the circular economy but also aims to highlight how sustainable development, far from being a hindrance or a constraint, can be a tremendous asset for private economic players. This is especially true when they adopt, as SUEZ has done, and for which I extend my thanks, a medium and long-term vision, which is essential for the reindustrialisation of France."*

**Xavier Girre, CEO of SUEZ:** *"The commissioning of the H2 Créteil station marks the culmination of an unprecedented project to produce renewable hydrogen from waste combustion. Unique and significant: it is the largest hydrogen station directly connected to an energy-from-waste facility in France. I applaud the bold vision of SMITDUVM, which does not hesitate to explore new solutions to support the energy transition in Val-de-Marne. And I also thank them for their trust: SUEZ, which operates the Créteil energy-from-waste facility, was entrusted with leading the H2 Créteil project alongside its partners."*

Find out more about the SUEZ Group  
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**Florence Crocheton-Boyer, President of SIPEnR:** *“SIPEnR is proud to have successfully completed this project, which provides concrete solutions to the mobility challenges faced by local areas and their residents.”*

**Laurent Cathala, President of Grand Paris Sud Est Avenir, Mayor of Créteil:** *“The inauguration of this renewable hydrogen station marks a major milestone for Créteil and for the entire Grand Paris Sud Est Avenir territory. By locally harnessing energy from our waste, we demonstrate that the ecological transition is happening here, concretely, through innovation and cooperation between local authorities, public actors, and businesses. This station is much more than just infrastructure: it embodies a long-term strategy aimed at producing clean and competitive energy. By gradually replacing fossil fuels, hydrogen will power buses, waste collection trucks, and utility vehicles, thereby reducing pollutant emissions, to improving air quality, and lowering our carbon footprint. Créteil has chosen an ambitious energy model, already visible through the development of geothermal energy and an urban heating network powered by more than 80% renewable energy, enabling residents to benefit from energy at a controlled cost. This project strengthens our energy autonomy while creating new economic opportunities. Today, we affirm our commitment to continue being a pioneering territory, capable of meeting ecological challenges and offering our residents a healthier, more sustainable, and more resilient living environment.”*

**Richard Curnier, Ile-de-France Regional Director of the Banque des Territoires:** *“This is an exemplary project for the energy transition in Ile-de-France: the first renewable hydrogen station directly supplied by energy-from-waste facility. This partnership between SMITDUVM, SUEZ, SIPEnR, and the Banque des Territoires demonstrates our shared commitment to green, local, and competitive mobility, serving local areas and their residents. With a production capacity of one ton of hydrogen per day starting in October 2025, this innovative infrastructure will contribute to reducing CO<sub>2</sub> emissions from both public and private transportation. It represents a major step towards a more sustainable Ile-de-France, aligned with national and European ambitions for decarbonised hydrogen.”*

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## About SUEZ:

*Faced with growing environmental challenges, SUEZ has been delivering essential services that protect and improve our quality of life for more than 160 years. SUEZ provides its customers with innovative and resilient solutions for water and waste services. With 40 000 employees across 40 countries, the Group works with customers to create value over the full lifecycle of their assets and services, and to drive their low carbon transition. In 2024, SUEZ provided drinking water for 68 million people worldwide and sanitation services for 44 million people. The Group generated 8 TWh of energy from waste and wastewater. In 2024, SUEZ has generated revenues of 9.2 billion euros.*

For more information: [www.suez.com](http://www.suez.com) / Twitter @suez

## About SIPEnR

*Founded in 2014 by SIPPAREC, Caisse des Dépôts, public actors, and citizens, SIPEnR is a semi-public company specializing in renewable energies. It develops, finances, builds, and operates production units in partnership with local authorities and stakeholders, ensuring transparency, shared governance, and ownership of the plants by the local communities.*

[www.sipenr.fr](http://www.sipenr.fr)

## About Banque des Territoires

*Banque des Territoires is one of Caisse des Dépôts' business lines. It brings together internal expertise for the benefit of local authorities. As a single point of contact for its clients, it works alongside all local stakeholders: local authorities, local public companies, social housing organizations, legal professionals, businesses, and financial players. It supports them in carrying out their projects of general interest by offering a continuum of solutions: advice, loans, equity investments, deposits, and banking services. By serving all regions, from rural areas to metropolitan areas, the Banque des Territoires aims to maximize its impact, particularly in the areas of ecological transformation and social and territorial cohesion. The Banque des Territoires' 37 local offices ensure that its activities are rolled out across all metropolitan and overseas territories.*

**Working together to develop greener and more inclusive territories.**

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