



Paris, June 11, 2024

## Contributing to green mobility from household waste:

**SMITDUVM, SUEZ, SIPEnR and the Banque des Territoires are launching the construction of the largest renewable hydrogen production and distribution plant in France, with the support of the European Union, the Ile-de-France Region and ADEME**

Located next to the energy-from-waste facility of the Syndicat mixte de traitement des déchets urbains du Val-de-Marne (SMITDUVM) in Créteil (94), the future hydrogen production and distribution station will produce 1 tonne of hydrogen per day by converting waste into energy. Following a 12-month construction period, the station will provide a renewable energy solution<sup>1</sup> for all green mobility players in Val-de-Marne and more generally the Ile-de-France region by 2025.

### The most powerful hydrogen production and distribution plant connected to an energy-from-waste facility

Built and operated by H2 Créteil, a company that gathers SUEZ, SIPEnR, a subsidiary of SIPPAREC, and the Banque des Territoires, the future plant will use the electricity generated by the incineration of household waste from the 19 communes<sup>2</sup> of the SMITDUVM to produce renewable hydrogen by electrolysis of water. SUEZ, which operates the Créteil energy-from-waste facility, is providing the land on which the hydrogen production and distribution equipment will be installed. The SUEZ group will also supply the water and renewable electricity required for hydrogen production. Alongside the semi-public company SIPEnR, which will contribute its expertise in legal structuring in addition to its financial participation,

<sup>1</sup> The energy produced by the energy-from-waste facility is recovered energy, 50% of which is renewable. Under the terms of its contract with the energy-from-waste facility, which is managed by ValoMarne, H2 Créteil purchases only part of the renewable energy produced by the energy-from-waste facility and guarantees this by issuing certificates of origin.

<sup>2</sup> Bry-sur-Marne, Champigny-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

SUEZ will finance the majority of the project and manage the construction of the station. Banque des Territoires, Groupe Caisse des Dépôts, an implementing partner of the European Commission's CEF Transport Alternative Fuels Infrastructure Facility programme, is providing the remainder of the project's equity requirements.

By 2025, the station will produce 1 tonne of renewable hydrogen per day. Eventually, it will be able to double its production and distribute up to two tonnes per day.

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

With this new infrastructure, the Syndicat mixte de traitement des déchets urbains du Val-de-Marne (SMITDUVM) is actively contributing to the region's energy transition. The tonne of renewable hydrogen produced and distributed daily at the H2 Créteil site will supply heavy public and municipal vehicle fleets (buses, waste collection trucks, lorries, commercial vehicles, etc.) as well as light private vehicles. Once operational, the station will supply hydrogen to an entire Île-de-France Mobilité bus line operated by RATP and, in the future, to the waste collection trucks of Grand-Paris Sud-Est Avenir and neighbouring areas.

The Créteil site is ideally suited to the development of hydrogen mobility. Its geographical location is a major advantage: it's close to a major road junction (A86, RN 6 and RN 406) and numerous commercial areas. It's also only a dozen kilometres from Paris. As a result, hydrogen-powered vehicles will be able to operate in the low emission zone of the Greater Paris area and beyond without any pollution at the vehicle's exhaust system.

This project, involving the SMITDUVM and H2 Créteil, is one of the first to produce hydrogen locally from renewable sources at a price competitive with diesel. It will prevent the emission of around 1,500 tonnes of CO2 equivalent per year.

## **Another step in the Val-de-Marne's ecological transition**

This hydrogen plant is part of the development plan launched several years ago by SMITDUVM at its Créteil energy-from-waste facility to improve its environmental performance. It complements the site's energy recovery, which already produces heat for Créteil's district heating network and electricity for sale to the public grid. This project is supported and financed by ADEME, the Ile-de-France Region and the European Commission. It illustrates the determination of local authorities to develop alternative energies in order to accelerate their ecological transition.

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It is also in line with the French Hydrogen Plan, which aims to invest €7 billion in the development of this energy of the future between now and 2030 in order to create jobs, improve air quality and combat climate change.

**Axel Urgin**, President of the Syndicat Mixte de Traitement des Déchets Urbains du Val-de-Marne (SMITDUVM):

*“In recent years, the Créteil energy-from-waste facility has undergone major changes to increase its capacity and transform it into a state-of-the-art industrial facility. Its model is based on the best possible treatment of waste through energy recovery. Our future hydrogen station, produced from green electricity and adapted to the mobility of the future, is fully in line with this logic of sustainable development, the only possible response to the climatic challenges already facing our planet.”*

**Sabrina Soussan**, Chairman and CEO of SUEZ:

*“I am delighted to launch the construction of the largest renewable hydrogen production plant connected to an energy-from-waste facility in France. This project is in line with SUEZ's mission to enable its customers to create value over the entire lifecycle of their waste management assets. It complements our technologies for producing local, sustainable energy from waste and wastewater: district heating, electricity and renewable gas. It reinforces our actions to support the energy transition in the mobility sector.”*

**Florence Crocheton-Boyer**, President of SIPLEnR:

*“SIPLEnR works with local authorities to implement the energy transition. In Créteil, we are pooling our engineering resources with SUEZ and the Banque des Territoires to offer residents and businesses a concrete, innovative and ambitious low-carbon mobility solution.”*

**Laurent Cathala**, Chairman of Grand Paris Sud Est Avenir, Mayor of Créteil:

*“Energy production and distribution are major issues for the region and its population. That's why the City of Créteil and Grand Paris Sud Est Avenir have long been committed to environmental and climate issues. We have therefore strongly supported the development of local green energy production, in particular geothermal energy and heat from waste incineration at the Valo'Marne energy-from-waste facility, which currently supply our district heating network with over 80% renewable energy. This strategy is gaining further momentum with the construction of France's largest renewable hydrogen production station at Créteil. Hydrogen is one of the keys to the energy transition: by replacing fossil fuels, it will make it possible to power vehicles without emitting greenhouse gases or polluting the air we breathe. This local synergy will maximise the environmental benefits of the hydrogen produced, increase our energy independence and create many jobs for the future in our city and region.”*

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**Richard Curnier**, Ile-de-France Regional Director of the Banque des Territoires:

*"Banque des Territoires is particularly committed to projects aimed at decarbonising mobility. H2 Créteil is an exemplary local green hydrogen production project in which we are taking a partnership approach with our co-shareholders SUEZ and SIPEnR and, more generally, with all the local authorities supporting the project."*

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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 2023, SUEZ provided drinking water for 57 million people worldwide and sanitation services for more than 36 million people. The Group generated 7.7 TWh of energy from waste and wastewater. In 2023, SUEZ has generated revenues of 8.9 billion euros. For more information: [www.suez.com](http://www.suez.com) / X @suez / LinkedIn @SUEZ

## **About SIPEnR**

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

## **About Banque des Territoires**

Banque des Territoires is one of Caisse des Dépôts' business lines. It brings together the Group's in-house expertise for the benefit of the territories. As a single point of contact for its customers, Banque des Territoires works alongside all local players: local authorities, local public enterprises, social housing organizations, the legal professions, businesses and financial players. It supports them in carrying out their public-interest projects by offering a continuum of solutions: advice, loans, equity investments, consignments and banking services. By reaching out to all regions, from rural areas to metropolitan areas, Banque des Territoires aims to maximize its impact, particularly in terms of ecological transformation and social and territorial cohesion. Banque des Territoires' 37 local offices ensure that its actions are deployed throughout metropolitan France and the French overseas territories. **Working together to develop greener, more cohesive territories.**

[banquedesterritoires.fr](http://banquedesterritoires.fr)



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