



Press release

Paprec to design and build new waste to energy plant in Nantes Métropole

Nantes Métropole has chosen Paprec Engineering for the design and construction of its new energy recovery plant, one of the largest units to be built in France with a capacity of 270,000 tons per year.

Paris, 12/16/2024

The duo of Paprec Engineering for construction and Séché for operation has just won the call for tenders for the public service delegation for the operation of the new plant. Paprec Energies will also ensure the monitoring of the optimization of the plant's performance and maintenance throughout its operation by Séché.

A factory above European standards

Philippe Cattieuw, director of Paprec Engineering, explains this unique situation: “*For the Nantes plant renewal project, we seized the opportunity to design a plant at the highest level of technology. This plant will be the largest recovery unit built in France in 10 years. It is a technological showcase that illustrates Paprec Engineering's competitiveness on the market. The environmental and energy efficiency performances achieved are well above current market standards, conditions necessary to ensure the sustainability of such a facility over time. The amount of the order for this construction is nearly 300 million euros for Paprec Engineering.* »

Paprec Engineering innovations for the benefit of the inhabitants of Nantes Métropole The design will implement innovations from Paprec Engineering for a high- performance plant with two 45 MW lines equipped with Martin Vario Grids, boilers and a heat pump designed by Paprec Engineering, enabling the export of 52 MW to the urban heating network.

Moreover, “*The smoke treatment will benefit from the double filtration system allowing to be below the thresholds, however drastic, of the regulations of this industry. The plant will be well ahead of the European regulations*”, underlines Philippe Cattieuw.

The start of the work is planned for 2026 for the energy recovery to be put into service in 2029. Continuity of service will be ensured during the work.

"I am happy to see that French know-how can win, after the disappointment of Toulouse which chose Chinese technologies for the renovation of its factory. I thank the Nantes metropolis for its commitment to French reindustrialization", says Sébastien Petithuguenin, president of Paprec Energies and Paprec Engineering.

The contract in figures

- 24 municipalities and 600,000 inhabitants for the Nantes metropolitan area
- Construction: 3 years (start planned for 2029)
- UVE capacity: 270,000 t/year
- Heat 52 MW thermal
- 90 MW of electricity thanks to two lines
- 250,000 engineer hours on this design

About Paprec :

Founded in 1994 by the Petithuguenin family, Paprec has become the leader in recycling in France and one of the major players in waste management and green energy production. The group has 16,000 employees at 300 sites in ten countries. Its 2023 turnover is 3 billion euros. Since its creation, the group, still majority-owned by the Petithuguenin family, has invested 3 billion euros in France in its factories and technological tools.

About Paprec Engineering:

Paprec Engineering is a merger of TIRU and CNIM Environment. These century-old companies are the French custodians of know-how in the design of thermal power plants and waste recovery. Taken over by Paprec, with their proprietary technologies, they make it possible to go even further in innovation and the development of waste management technologies to decarbonize the economy. Paprec Engineering now has a fairly substantial order book with the renovation of the Vitré, Sète, La Réunion plants, etc.

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