

## PRESS RELEASE

Lyon, 15th April 2025

### **bobine announces the establishment of its v3 pre-industrial unit for recycling plastic waste at the Center for Sustainable Materials in the Parc Cataroux at Clermont-Ferrand.**

*bobine is pleased to announce the installation of its new v3 pre-industrial unit at the Center for Sustainable Materials in the Parc Cataroux - Clermont-Ferrand, which is an innovation accelerator driven by Michelin. Launched in 2024, the v3 project marks a key stage in the industrialisation of our catalytic induction reactor technology, and is part of a strengthened collaboration with the Center. "This project has come to fruition so quickly thanks to the commitment and expertise of our team, most of whom are engineers with petrochemical backgrounds. This is a real strength for a fast development of our technology", says Romain Rivière, CTO of bobine.*

### **Strategic cooperation to accelerate the transition to the industrial phase.**

The v3 pre-industrial unit, which aims to process 1 tonne/day of waste - compared with 100 kg/day for our v2 pilot - will be the fruit of cooperation with the teams at the Center for Sustainable Materials. The center has already made a major contribution to the success of the v2 unit by providing infrastructure and expertise in the installation, start-up and operation of pilot plants. Building on the promising results of the v2 pilot, this new unit will enable **bobine** to accelerate its transition to a larger scale of production, with the testing of its first industrial prototype catalytic induction reactor.

### **Key elements of the project :**

- **Production capacity:** 1 tonne per day of waste.
- **Production scale:** significant increase by a factor of 10 compared with unit v2, and 10,000 compared with unit v1.
- **Raw materials:** use of real waste and/or pyrolysis oil, in solid or liquid form.
- **Scheduled start-up:** 2026.
- **First industrial application:** deployment of the catalytic induction reactor patent.

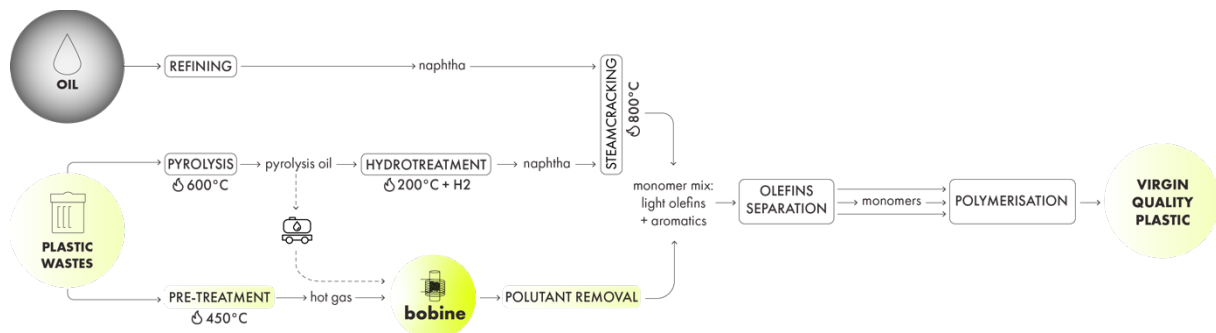
*"After a successful v2 pilot phase, this new pre-industrial unit is a decisive step for bobine. It is the last step of development before commercial deployment of the technology, which will enable us to validate all our technological choices. We are looking forward to seeing the concrete advances it will offer to the innovation driven by our catalytic induction reactor", says Vincent Simonneau, CEO of bobine.*

## À propos de bobine

**bobine** aims to develop a technology for the chemical recycling of plastics, enabling the production of high-quality polymers from non-recyclable plastic waste. This technology, which utilizes heterogeneous catalysis and electromagnetic induction, allows for the large-scale production of olefins (ethylene, propylene) from waste without the need for a steam cracker. The Environmental Cycle Analysis and Life Cycle Assessment gains represent a significant opportunity for the plastic recycling sector, particularly concerning recycled plastics suitable for “food-grade” components.

The technology of **bobine** was developed by the Institute of Chemistry and Processes for Energy, Environment and Health (ICPEES, UMR 7515), a joint research unit based on a partnership between the French National Research Council (CNRS) and the University of Strasbourg (UdS). After three years of R&D, a patent was filed for the technology, the property of the SNRS and two industrial companies that contributed to its development, SICAT and BLACKLEAF. The two industrials decided to found the company **bobine** for the development and industrialization of this technology. SATT CONECTUS Alsace, the administrator of the patent, has granted **bobine** an exclusive license to exploit it.

## From plastic waste to virgin quality plastic.



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