



Levallois, May 12, 2021

Plastic Omnium signs partnership with Hopium to develop the Māchina hydrogen storage system

Plastic Omnium has announced a partnership with Hopium, the French manufacturer of high-end hydrogen cars, to develop the hydrogen storage system for the future Hopium Māchina. This high-end vehicle, first announced in October 2020, aims to be the first French hydrogen-powered sedan to hit the market in 2026. The Māchina prototype is due to be unveiled to the press in June 2021. It will be equipped with a 700-bar Type IV* vessel made by Plastic Omnium in its Herentals plant (Belgium), which is operational since fall 2020.

Building on this initial collaboration, Hopium and Plastic Omnium have established a partnership to develop the Hopium Māchina hydrogen storage system for the production series. Based on almost 40 patents and a range of in-house developed, certified hydrogen storage vessels, Plastic Omnium will provide Hopium with a prototype high-pressure Type IV* hydrogen vessel for testing. This new generation will be optimally integrated into the vehicle chassis, enabling Hopium to maximize the quantity of hydrogen stored and achieve its ambitious 1,000-kilometer target range.

Laurent Favre, Chief Executive Officer of Plastic Omnium, says: “With Hopium, we are convinced of hydrogen’s major role in tomorrow’s sustainable mobility. Plastic Omnium is proud to provide its expertise in hydrogen technologies and help develop the Hopium Māchina storage system, an innovative project for low-carbon mobility.”

Olivier Lombard, Chairman and CEO of Hopium, adds: “As the first 100% hydrogen car manufacturer, Hopium stands at the forefront of green technologies. This partnership with Plastic Omnium shows our desire to collaborate with a key hydrogen mobility player to develop the Māchina, a new generation of zero-emission vehicle.”

* composite high-pressure vessel comprising a thermoplastic liner reinforced with a carbon-fiber shell winding

About Plastic Omnium

Around the world, Plastic Omnium provides carmakers with innovative solutions for more connected and sustainable mobility. A global leader in its three businesses, the Group develops and produces intelligent exterior systems, clean energy systems and customized complex modules. With an international footprint of 135 plants and 25 R&D centers, Plastic Omnium relies on its 31,000 employees to meet the challenges of clean and smart mobility. Innovation-driven since its creation, Plastic Omnium is now paving the way for the zero-carbon car through its investments in hydrogen solutions, for which the Group has ambitions to become world leader throughout the entire value chain.



Plastic Omnium is listed on Euronext Paris, compartment A, and is included in the SRD (deferred settlement service) and SBF 120 and CAC Mid 60 indices (ISIN code: FR0000124570).

About Hopium

Olivier Lombard, the youngest winner of the 24 hours of Le Mans, founded Hopium, a manufacturer of high-end hydrogen-powered vehicles, as an achievement resulting from his experience acquired on the racing circuits.

With the automotive culture in his heritage, Olivier Lombard has driven for 7 years hydrogen-powered racing cars, making him the world's most experienced racer in this field.

As an open-air laboratory, the race has allowed Olivier Lombard and his team to reflect on new mobility solutions to meet today's environmental challenges. While the transportation sector alone is responsible for 20% of greenhouse gas emissions, the company is positioning itself as a player in climate change.

Hopium brings together a team of experts and leading partners at the forefront of innovation in the fields of hydrogen fuel cells, technology and automotive engineering.

Hopium (ISIN code: FR0014000U63 - Mnemonic: MLHPI) is listed on Euronext Access+ and is eligible for PEA-PME.

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