Press release

Hydrogen fuel cell heavy-duty innovation: After a first generation of vehicles successfully deployed in 2024, Hyliko is expanding its range with a second generation of heavy-duty trucks, scheduled for commercial deployment in early 2026.

Paris, November 19, 2025

Hyliko, the first turnkey solution dedicated to accelerating the decarbonization of road freight transport through hydrogen, is unveiling at Solutrans 2025 the second generation of its fuel-cell hydrogen retrofit tractor trucks. This new range is designed both for long-haul transport operators and for companies in the earthmoving and construction sectors. "Designed and assembled in France," the vehicle builds on advanced technological expertise developed and certified by Hyliko, the company behind the first hydrogen heavy-duty trucks to enter commercial operation in France in 2024.

After deploying its first generation of vehicles in 2024, Hyliko has leveraged the experience accumulated over 300,000 km of commercial operations to develop its second generation on

a Renault Trucks chassis. This new generation is characterized by enhanced reliability, extended range, and compatibility with standard ISO semi-trailers (13.60 m). The "Hy T44 2nd Edition" trucks offer **up to 600 km of range at 35 tonnes (500 km at full 44-tonne load) with an average consumption of 7 kg H_2/100 km, while targeting availability rates above 95%**. Their 3,900 mm wheelbase enables the coupling of standard-size semi-trailers, facilitating operations for transport companies.

This new generation integrates an all-in-one motor–transmission unit, two 90 kWh immersed NMC battery packs, a more efficient Toyota V2.5 fuel cell, and an optimized cooling system - all contributing to enhanced performance.

Compared to the first generation, the new, lighter models feature an unladen weight of 9 tonnes and an increased payload capacity of 4 tonnes. The wheelbase has been extended to 3,900 mm (vs. 3,800 mm), while hydrogen consumption has improved to 7 kg H_2/100 km, representing a reduction of approximately 20%.

A range extended to "Construction site approach" applications

With the launch of its second-generation tractor trucks, Hyliko is also expanding its offering by introducing a "construction approach" version designed for intensive use and difficult access conditions in public works and construction environments. Built on an optimized vehicle architecture, this model meets the robustness and versatility requirements specific to these applications, featuring a reinforced and stiffer chassis, raised suspensions, and a tapered bumper. The front end and reinforced steel grill provide additional protection against impacts. The truck is also equipped with wider tires and a hydraulic system capable of operating a tipper trailer.

With this second generation, Hyliko is establishing itself within an expanded product range that already includes a **4×2 road tractor and 6×2 and 6×4 rigid trucks**, enabling the company to address the full spectrum of transport missions across road haulage and logistics, earthmoving and public works, and temperature-controlled transport.

A multi-partner 2nd Edition to hit the road in early 2026

The Hyliko Hy T44 Gen.2 trucks, "Designed and assembled in France", are retrofitted at the Saint-Priest (near Lyon) site and integrate a suite of advanced technologies developed by a local ecosystem of partners. The powertrain is supplied by Dana Eaton, the battery packs by Wattalps, the hydrogen tanks by OPmobility, the cooling system by Hydac, and the fuel cells by Toyota Motor Europe.

Currently undergoing homologation, the Hy T44 2nd Edition models are expected to enter service in early 2026, with the first registrations planned as soon as January. Hyliko has set an ambitious target of putting 100 vehicles on the road by the end of 2027.

"*Our second-generation Hyliko Hy T44 2nd Edition trucks mark the deployment of a new*

generation of hydrogen tractor units designed to meet the demanding needs of intensive transport operations, including long-haul and construction site approach missions. Thanks to their extended range, performance, and robustness, these new vehicles cover a broader range of applications than battery-electric trucks (BEVs) and offer an immediate and long-term zero-emission alternative for transport and logistics companies," said Ovarith Troeung, CEO of Hyliko.

About Hyliko:

Hyliko is the first turnkey solution to accelerate the decarbonization of road transport using hydrogen. Its offering includes hydrogen trucks (new or retrofitted), maintenance, and a network of green and low-carbon hydrogen refueling stations. With a pay-per-use model, tailor-made support, and carbon footprint monitoring, Hyliko facilitates the rapid, concrete, measurable, and sustainable deployment of zero-emission heavy-duty mobility. www.hyliko.com

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