

Press Release

TELMA, IVECO and Petit Forestier Group join forces around the Hybrid Induction Brake system: innovation that turns braking into useful energy

- *A hybrid electromagnetic technology resulting from the collaboration between the three partners enhances fuel efficiency, safety and performance in commercial vehicles for safer and more energy-efficient transport*
- *Up to 30% reduction in fuel consumption and CO₂ emissions*
- *Up to 90% reduction in brake wear and fine particle emissions from braking*

Turin, 12 November 2025 – **TELMA**, a leader company in friction-free braking systems, **IVECO**, a key player in commercial vehicles, and the **Petit Forestier Group**, the European leader of refrigerated rentals, have developed a unique Daily prototype equipped with a refrigerated body Urban by Lecapitaine - Petit Forestier Group's integrated bodybuilder -, incorporating an unseen Hybrid Induction Brake (HIB) system. This first hybrid vehicle resulting from the synergy between the three industrial partners will be presented at Solutrans, the international road and urban transport event to be held from 18 to 22 November in Lyon. During the exhibition, the vehicle will be available for testing on the test track.

A concrete solution combining performance, fuel efficiency and safety

The HIB system developed by TELMA for commercial vehicles represents a significant breakthrough in the energy transition of the transport sector. This innovative technology converts braking energy into recoverable and usable energy. The system enables the 'hybridisation' of internal combustion engine vehicles without requiring major structural modifications, offering an immediately deployable solution for reduced fuel consumption and emissions while improving safety and driving comfort.

TELMA's 3-in-1 innovation enhances both performance and sustainability

The result of several years of research, TELMA's HIB system combines three functions: retarder, auxiliary electric motor and generator. During deceleration, the Daily featuring this technology recovers energy from braking and stores it in an additional battery, and during acceleration, it assists the vehicle's propulsion and can power auxiliary equipment. This approach reduces fuel consumption and CO₂ emissions while improving overall energy efficiency.

By reducing reliance on service brakes by up to 90%, the HIB system extends brake lifespan, lowers maintenance costs, and enhances driving comfort through smooth and quiet operation. In addition, to a 90% reduction in fine particles from braking, a key advantage in view of the future Euro 7 standard, which will introduce emission

thresholds for braking for the first time, tests conducted by UTAC (Technical Union for Automobiles, Motorcycles and Bicycles) in July 2025 confirm up to 30% in fuel consumption and CO₂.

'The progress made on the project and the continued partnership with IVECO and Petit Forestier Group are a source of pride for all the teams at TELMA. We are very excited to offer the opportunity to test our product to industry players and the public', says Ariel Levy, President of TELMA.

IVECO Daily: a chassis designed for innovation

The Daily, the IVECO light commercial vehicle renowned for the robustness and versatility of its chassis, is the ideal basis for the HIB system. Its bodywork-friendly design enables seamless integration without compromising performance or load capacity.

'This project underscores the Daily's ability to integrate advanced solutions that genuinely support the decarbonisation of transport,' explains **Giuliano Giovannini, Head of Product Portfolio Management IVECO**. *"Our mission as a manufacturer is to listen closely to our customers, understand the operational challenges they face, and bring to market technological innovations that respond to their real-world needs. By working alongside high-level industrial partners, we can accelerate the energy transition and deliver solutions that combine performance, sustainability and seamless integration into real-world operations.'*

Petit Forestier Group: a more sustainable and efficient cold chain

For Petit Forestier Group, the collaboration with TELMA and IVECO represents a concrete approach to shared innovation in support of more responsible refrigerated transport.

The demonstration vehicle presented at the Solutrans trade fair combines the IVECO Daily chassis with the Urban by Lecapitaine body, designed by the Petit Forestier Group's integrated coachbuilder, renowned for its lightness and energy efficiency.

'This partnership embodies the Group's desire to explore, alongside its partners, new concrete solutions to reduce environmental impact across all areas and make the cold chain increasingly sustainable and efficient,' says **Yann Leriche, Asset and Supply Director at Petit Forestier Group**. *'By partnering with TELMA's electromagnetic braking and plug-in hybrid technology, Petit Forestier Group is continuing its commitment to energy efficiency and emissions reduction.'*

IVECO

IVECO is a brand of Iveco Group N.V. (EXM: IVG). IVECO designs, manufactures and markets a wide range of light, medium and heavy commercial vehicles, off-road trucks and vehicles suitable for any body type.

It constantly innovates and extends its product portfolio to provide every customer with the vehicle that matches their mission precisely.

IVECO's full-line offer is designed around the Driver's needs to ensure an excellent experience with a focus on safety and comfort. A wide range of advanced digital, connectivity-enabled services developed to help fleet owners run their fleet efficiently enhance IVECO's complete transport solution.

IVECO pursues its decarbonisation strategy through a multi-energy approach that includes the further development of bio-methane, battery electric and fuel cell technologies.

IVECO manages production sites in 7 countries throughout Europe, Asia, Africa, Oceania and Latin America. 3,500 sales and service outlets in over 160 countries guarantee technical support wherever an IVECO vehicle is at work.

IVECO drives the road of change by powering the transformation of the transport industry, propelled by the ambition to be the most reliable partner and full-line player for its customers.

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About TELMA

For nearly 80 years, Telma has been the world leader in friction free braking systems based on the physical principle of electromagnetic induction. Telma's unique expertise in the field of induction braking systems has been built by eighty years of presence on the market, during which Telma managed to establish the industry standards and make a difference in its area of expertise.

Since its inception, Telma has significantly contributed to the improvement of road safety. Telma has been actively lobbying and campaigning around the world to promote recognition of the importance of the integration of retarders in vehicles designed for the transportation of passengers and goods.

Today, TELMA is innovating across all mobility sectors to offer new solutions that support users in the energy transition and ensure ever-higher levels of safety.

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About Petit Forestier Group

A family business for almost 120 years, Petit Forestier Group is driven by passionate men and women who share a common mission: 'Enhancing quality of life through innovative cold chain solutions'. Present in 24 countries, the Group mobilises 5,900 talents every day in the service of refrigeration.

Through its activities, Petit Forestier Group ensures the preservation of foodstuffs, medical products and any other goods whose quality and durability depend on the cold chain.

Its expertise in refrigeration covers the entire chain, focusing on the rental of products and services (vehicles, furniture and containers) and ranging from the design and assembly of refrigerated boxes on vehicles to the resale and recycling of spare parts.

Close to its customers, the Group encourages team spirit and agility, creating a favourable environment where each job has a meaning, to enhance the quality of life through innovative cold chain solutions.

<https://www.petitforestiergroup.com/en>

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