LAMBERET

PRESS

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PRESS RELEASE

Lamberet unveils its innovations at IAA Transportation 2024: the transition to sustainability!

Hanover, 17 to 22 September 2024 - Lamberet, European leader in refrigerated bodywork, is presenting 12 innovative vehicles at the IAA Transportation show. This international exhibition is an opportunity for Lamberet to demonstrate once again its expertise in refrigeration solutions, while showing its strong commitment to a sustainable energy transition. Lamberet will be showcasing several major innovations, reflecting its ability to adapt to tomorrow's ecological challenges while remaining at the cutting edge of technology.

Cyril Abegg, CEO of Lamberet, comments: *"For over 60 years, Lamberet and its teams have been helping to secure the cold chain, thereby guaranteeing the health of European citizens. Today, we are reaffirming our commitment to innovation in the face of climatic challenges and the new requirements of customers of temperature-controlled vehicles".*

An ambitious 2035 roadmap for the future
Lamberet has set itself ambitious targets for meeting environmental challenges between now and 2035, based on six strategic priorities:

- Improve insulation quality while using environmentally-friendly materials;
- Reduce the consumption of refrigeration equipment;
- Innovating to optimise energy storage and management;
- Rationalising on-board equipment;
- Developing connected services adapted to real uses;
- Promoting the circular economy and the management of end-of-life vehicles.

What's new in 2024: a focus on electrical refrigerated vans

eCoolJet 206 cooling unit: an innovative technological solution
The new eCoolJet 206 cooling unit is a concentrate of innovation, designed for large vans and platform-cabs. It integrates its compressor and condensor under the chassis, which not only preserves the vehicle's aerodynamics, but also makes it easier to access car parks while maintaining WLTP certification. Operating in positive cold mode on volumes of up to 10 m³, it is powered by the alternator of internal combustion engines or by a 12V DC converter for electric vehicles. One of the group's key features is the Smart Connected Box option, which enables compatibility with Android Auto and the integration of controls on the dashboard of eligible vehicles. This translates into a more ergonomic user experience and real-time monitoring thanks to the manufacturer's OTA (Over-The-Air) connectivity, offering proactive monitoring of the system.

Renault Master : Digital cooling Van
The new Renault Master, transformed into a refrigerated van by Lamberet and Kerstner, represents the future of commercial vehicles with an integrated, digitally-controlled refrigeration solution. The van is equipped with Kerstner's new CJ206 cooling unit, installed invisibly under the chassis to improve aerodynamics and reduce energy consumption. The integration of the unit's user interface with the openR link converter companion system in the dashboard makes it easy to control the cooling unit via the multimedia screen, creating an intuitive and ergonomic interface for the user. Available as a kit or ready-to-run from Lamberet's factories, this solution is offered for the L2H2 and L3H2 models. The launch of orders for this new model reflects Lamberet's commitment to offering high-quality refrigerated vehicles that combine energy efficiency with digital innovation.

Iveco eDaily Electric: All-In-One

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The IVECO eDaily is a revolution in the electric commercial vehicle segment. With its Kerstner eCoolJet 206 cooling unit, it offers an all-in-one solution, refrigeration and electric drive. Thanks to the 2.5 kW ePTO 12V, the cooling unit is powered directly by the vehicle's batteries, guaranteeing optimised autonomy and an all-electric solution for transporting perishable goods. The lightweight design and reinforced insulation with moulded composite panels reduce energy loss, resulting in greater efficiency and maximum range.

Mercedes eVito: the rise of electric refrigerated vans
The electric Mercedes eVito, developed in partnership with Kerstner, is equipped with the eCoolJet 106 cooling unit, winner of a Solutrans Innovation Award. This 100% electric van can transport temperature-controlled goods with zero emissions. With a range of 150 km and fast recharging capability, the eVito is optimised for urban deliveries. The inclusion of high-quality insulation ensures optimum temperature management, reducing cold loss and guaranteeing low energy consumption.

Ford Transit Custom: tailor-made for refrigerated deliveries
The new Ford Transit Custom is equipped with the latest generation of integrated insulation, available in L1 and L2 versions. This model is fitted with the Kerstner eCoolJet 106 cooling unit, designed for positive refrigeration, which stands out for its ultra-low energy consumption. With a condensor installed under the chassis and an evaporator integrated into the roof, interior space is optimised without compromising the vehicle's overall height. This innovation maximises load space while minimising environmental impact, making the Ford Transit Custom an ideal solution for urban and suburban deliveries.

Renault Kangoo platform-cab: the Aero-Cube, the compact and efficient solution
The Renault Kangoo platform-cab with Frigoline bodywork is a first on the market, offering a limited overall height of 1.90 m, ideal for urban deliveries where access to car parks and Class 1 toll plazas is crucial. Available in both internal combustion and electric versions, this lightweight, compact configuration is designed to maximise efficiency while reducing operating costs. With a capacity in this version of 3 to 4 m^3, this vehicle combines practicality, fuel savings and high-performance insulation.

Leadership in innovation for industrial vehicles

Lamberet Energy: the new offering dedicated to the electrification of refrigerated transport

In 2024, Lamberet is reinforcing its commitment to a sustainable energy transition with the launch of **Lamberet Energy**, a unique offer dedicated to the electrification of refrigerated semi-trailers. This programme responds to the environmental challenges facing temperature-controlled transport, while providing concrete and economically viable solutions for professionals in the sector.
With **Lamberet Energy**, the Group aims to significantly reduce the carbon footprint of transport operations for perishable foodstuffs or healthcare products, while maintaining the operational performance and safety of the cold chain. This offering encompasses advanced technological solutions for the storage, conversion and management of electrical energy.

A flexible solution tailored to different needs

Lamberet Energy offers a range of configurations to suit the varied needs of its customers: hybrid or fully electric systems, suitable for both regional and long-distance transport. One of the strengths of this offering is its **modularity**, enabling companies to adopt electrification gradually, depending on their operating constraints.
Lamberet **Energy Packs** include modular battery systems capable of powering cooling units on semi-trailers. These batteries guarantee sufficient autonomy for long distances, while reducing fuel consumption and pollutant emissions. This optimisation is underpinned by intelligent energy management, provided by connected platforms that enable real-time monitoring of energy performance and easier preventive maintenance.

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Reducing noise and environmental pollution

One of **Lamberet Energy**'s priorities is to reduce not only CO2 emissions, but also noise pollution. The battery-powered cooling units operate almost silently, meeting the strict standards for deliveries in urban areas, particularly night deliveries. Refrigerated semi-trailers equipped with this solution are therefore ideally suited to **Low Emission Zones** (LEZ), where reducing noise and environmental pollution is essential to maintaining access authorisations. This enables transport companies to comply with new regulations while making substantial savings on their operating costs.

Personalised support for a smooth transition

To facilitate the adoption of these technologies, Lamberet offers a range of **full-service long-term leasing contracts**, including not only the equipment but also a performance guarantee for the duration of the contract. These financial solutions enable transport operators to limit the impact of the energy transition on their operating accounts, while guaranteeing **complete battery life-cycle management**. Lamberet takes charge of the reuse and recycling of batteries, thus contributing to a circular and responsible economy.
The **Lamberet Energy** package also includes continuous monitoring of operating data, using connected systems to maximise the efficiency of refrigerated vehicles throughout their service life. The adoption of this technology does not stop when the vehicle is delivered: Lamberet supports its customers in analysing operating constraints, optimising systems and providing proactive maintenance to ensure optimum use.

A controlled and viable energy transition

The energy transition in the refrigerated transport sector must be **gradual** and controlled. Lamberet Energy offers a concrete solution to support transport operators in this process, with reliable and economically viable technologies. The innovations proposed by Lamberet in this context are capable of being retrofitted, meaning that they can be installed on equipment already in operation. This enables hauliers to modernise their existing fleet without having to invest heavily in new equipment.
By offering tailor-made, scalable solutions, Lamberet Energy enables refrigerated transport professionals to meet the challenges of climate change while maintaining their competitiveness. Lamberet Energy, with its **intelligent, modular battery packs**, embodies Lamberet's vision of clean, quiet, high-performance refrigerated transport. This offer is perfectly in line with the company's sustainability objectives for 2035, helping to reduce the sector's carbon footprint while preserving the cold chain.

Reinforced HPI Insulation: Innovation in bodywork insulation quality

“The cheapest energy is the one we don't consume.” Embracing this principle, LAMBERET has always been committed to making its bodywork as thermally efficient as possible. With its non-conductive composite panels, Lamberet bodywork is recognized for its leadership in insulation quality.

Beyond the design and the quality of the assembly of the various panels that make up the bodywork, which greatly contribute to thermal performance, the main element remains the insulation foam enclosed between the outer and inner layers.
The performance of the foam is characterized by its Lambda coefficient. LAMBERET's R&D department collaborated with its supplier to develop new mixtures and proportions of pentane in the insulating foam (HFO-free, ahead of regulations banning eternal pollutants), allowing for a significant improvement in Lambda by 11%. For the bodywork (side panels and roof), this represents an improvement in the overall K coefficient of +/- 0.021 W/m²K°. With this improved K coefficient, energy consumption, associated maintenance cycles, and the power required for cold production machines are reduced, while strengthening safety along the cold chain. This economical, available, stable, and controlled solution is the short-term direction chosen by LAMBERET for its entire range of bodywork, SR2, Frigoline, for industrial and light commercial vehicles.

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DISTRI+ V3.2: Isothermal roller shutter door to preserve the cold chain
The DISTRI+ V3.2 isothermal roller shutter door represents a breakthrough in urban delivery, offering an alternative to swing doors, which are often impractical in dense areas. This automatic pneumatic system allows rapid opening and easy access to the load, while guaranteeing a significant reduction in heat exchange during deliveries, for both positive and negative cold. As an option, Distri+ V3.2 can be fitted with a fully integrated air curtain - with no impact on clearance height and fully protected - further minimising temperature exchange when the curtain is opened. Thanks to its 100% pneumatic architecture and anti-pinch brake loop, DISTRI+ V3.2 combines safety, practicality and energy efficiency.

ERGOWALL 2.0: Multi-temperature insulated bulkhead
ERGOWALL 2.0 is the ideal solution for multi-compartment refrigerated vehicles. Its lightweight, flexible design, combined with memory foam, ensures optimum thermal insulation and ergonomic handling. The new compact sliding trolley makes it easy to move around, maximising load space. This innovation also guarantees precise docking of the partition, optimising the management of different temperatures during transport.

SAFESTAIR: enhanced safety for drivers
The SAFESTAIR retractable step system guarantees the safety of users when boarding and alighting refrigerated vehicles and semi-trailers. Thanks to an automatic ramp, SAFESTAIR provides a third support point, eliminating the risk of falling. Compatible with rigids and semi-trailers, this device complies with VASP standards for motor homes, ensuring maximum safety.

SAFETY DOOR LOCK SDL: Safety First!
Lamberet enhances bodywork security with the Safety Door Lock. The risk of theft and sanitary contamination of goods is higher when the doors are open. To limit access to the body only to authorized personnel, LAMBERET has developed the SAFETY DOOR LOCK (SDL) system. By default, all body openings (swing doors, sliding doors, or even sectional doors) are automatically locked. Only the delivery driver can unlock the doors using a customized RFID TAG, which must be presented in a dedicated area near the door. With a timed and controlled lock, access to the bodywork openings is thus limited to the delivery driver. As soon as the door is closed, it automatically locks, preventing any attempt at theft or contamination. This provides additional security for the transported goods. A special, integrated, and protected command on the body is available for dock workers, allowing them to open and close the rear doors without using the TAG. Finally, a mechanical fallback mode using a key remains accessible in case of emergency.

List of Lamberet & Kerstner vehicles exhibiting at the IAA

Lamberet & Kerstner stand, Hall 27, A31 :

- SR2 Green Liner Duplex refrigerated semi-trailer
- MAN Frigoline HD multi-temperature carrier
- Renault Kangoo platform-cab Frigoline 1.90m overall with integrated Kerstner unit (German first)
- New Iveco eDaily van with 2.5 kW ePTO and integrated Kerstner CJ 206 genset (world premiere)
- Mercedes eVito van with integrated eCoolJet 106 cooling unit
- New Ford Transit Custom with integrated Kerstner eCooljet 106 (world premiere)

JAC Motors stand, H21, D37 :

- eJAC 100% electric Frigoline City chassis (world premiere)

Volkswagen stand, H12, C03 :

- New eTransporter with integrated Kerstner cooling unit, 100% electric (world first)

Stellantis stand, H13, C70 :

- Peugeot e-Expert with integrated Kerstner cooling unit

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Mitsubishi stand HTTE, H27, D17 :

- Iveco S Way refrigerated carrier Frigoline HD

Iveco stand, H27, C10 :

- Iveco Daily chassis cab 70C Frigoline City

Kia stand, H13, C71 :

- Digital show Kerstner refrigeration transformation on the new PBV range of electric vans (world premiere)

CSR commitment: Lamberet, a key player in corporate social responsibility

Lamberet is firmly committed to a corporate social responsibility (CSR) approach based on five key areas: governance, environment, social, societal and economic. The group's objective is to achieve carbon neutrality by 2040, with concrete initiatives such as the installation of photovoltaic panels on its sites and the re-use of cooling unit body components to construct environmentally-friendly modular buildings.
In collaboration with the engineering firm Segula, Lamberet has launched an in-depth analysis of the life cycle of its products to better understand and reduce their environmental impact. In addition, the Group is carrying out a carbon assessment that includes the indirect impact of its activities, particularly those of its supply chain. On the social front, Lamberet makes a point of promoting inclusion and diversity, guaranteeing optimal working conditions for its 1,200 employees in Europe. The group is also committed to developing partnerships with local suppliers to strengthen the company's social footprint.

Key figures for the Lamberet Group

- France's leading refrigerated bodybuilder.
- 10% market share in Europe across all segments.
- 2023 sales: €238 million.
- Production in 2023: 7,000 bodies, including 3,900 commercial vehicles and 3,100 refrigerated vans.
- 1,200 employees, including 1,100 in France.

These figures illustrate Lamberet's position as a leader in the refrigerated bodywork sector, with solid production spread over four industrial sites in Europe, including Saint-Cyr/Menthon, Saint-Eusèbe and Sarreguemines in France, and Kerstner in Germany.

About Lamberet: a major player in the cold chain

Lamberet is a key player in the refrigerated bodywork sector in Europe, renowned for its technological innovations and industrial know-how. The group develops a complete range of solutions for temperature-controlled transport, covering the needs of light commercial vehicles, industrial rigids and semi-trailers. Thanks to a long-term investment plan, Lamberet continues to innovate while responding to environmental challenges.
The company, a member of the international industrial group AVIC, has strengthened its commitment to innovation with the opening of a state-of-the-art plant in Saint-Eusèbe, specialising in the production of commercial vehicles.
Lamberet is the only company to design and produce four types of refrigerated bodywork: integrated insulation for vans, bodies for platform-cabs and chassis-cabs, industrial rigids and semi-trailers. The group also develops innovative cooling units for commercial vehicles through its subsidiary Kerstner.
Lamberet boasts a distribution network in 40 countries, with 50% of its production destined for export, ensuring a strong international presence.

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Executive Summary

Lamberet, Europe's leading manufacturer of refrigerated bodywork, will be exhibiting at **IAA Transportation 2024** in Hanover from 17 to 22 September. At the show and on its stand in Hall 27, A31, Lamberet will be presenting **12 innovative vehicles**, including several world firsts, demonstrating its commitment to a sustainable energy transition and continuous innovation in temperature-controlled transport.

Utility innovations and refrigeration solutions

One of the new features of the **Kerstner eCoolJet 206 cooling unit** is its under-chassis integration, which preserves aerodynamics while optimising energy management. Compatible with both internal combustion and electric engines, it comes with an optional **Smart Connected Box** for integrated management of the user interface via Android Auto.
The **Renault Master van**, equipped with the Kerstner CJ206 cooling unit, features an ergonomic control panel integrated directly into the dashboard. The all-electric **Iveco eDaily** offers a complete electric traction and refrigeration solution via the 12V ePTO, guaranteeing autonomy and performance for urban deliveries.
The **Ford Transit Custom** and **Mercedes eVito**, equipped with ultra-low consumption Kerstner cooling units, complete this range of innovative vans optimised for positive refrigeration. The **Renault Kangoo Frigoline platform-cab**, with its height of 1.90 m, is ideal for city centres and underground car parks.

Innovations for industrial vehicles

Lamberet is also presenting innovative solutions for industrial vehicles. The **DISTRI+ V3.2 isothermal roller shutter door** facilitates and secures deliveries in urban environments by allowing rapid access while reducing heat exchange.
The new version of the **ERGOWALL 2.0 isothermal bulkhead** is lighter and more ergonomic, ensuring optimum management of multi-temperature compartments.
In terms of safety, the **SAFESTAIR** retractable step offers a third support point thanks to an automatic side ramp, guaranteeing maximum safety for drivers when getting on and off vehicles.
Lamberet is also innovating with the introduction of **HPI** insulating foam, which improves the Lambda coefficient of isothermal panels by 11%, thereby reducing energy consumption and the maintenance cycles of cooling units, while enhancing the safety of the cold chain.

Lamberet Energy: electrification of refrigerated transport

Lamberet unveils its new **Lamberet Energy** offer, dedicated to the electrification of SR2e refrigerated semi-trailers, as well as all types of retrofit. The modular **Energy Packs**, available for hire, enable cooling units to be powered by intelligent, energy-saving batteries. This solution helps to reduce the carbon footprint while offering sufficient autonomy for long distances. Thanks to connected platforms, users can monitor energy performance in real time and benefit from proactive maintenance.

A lasting commitment

Lamberet is pursuing its goal of **carbon neutrality by 2040**. In collaboration with Segula, the group is assessing the environmental impact of its products and adopting concrete measures such as installing photovoltaic panels and recycling cooling units to construct modular buildings.
Lamberet is thus positioned as a key player in temperature-controlled transport, combining sustainability, innovation and performance to meet the challenges of the sector.

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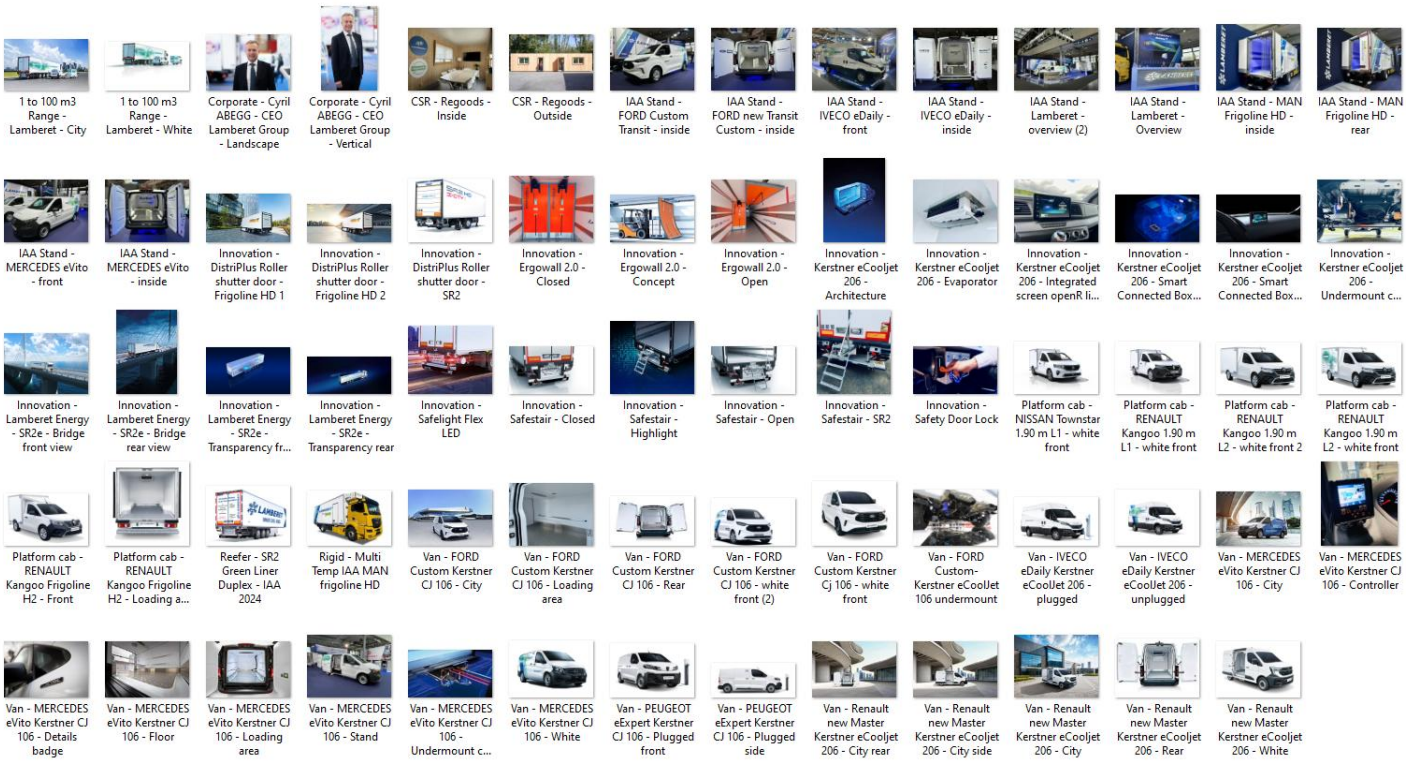

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