

SPECIAL ISSUE | NOVEMBER 2019

COLDCHAIN MANAGEMENT

GOOD NEWS FROM THE GREEN COLD CHAIN



LAMBERET
SERVICES LORIENT
MADE IN BREIZH

INDUSTRY
THE RISE OF
SAINT-CYR/MENTHON



SPECIAL EDITION
**LAMBERET
INNOVATIONS**



**CONNECTED TRUCKS:
ERGONOMICS, SAFETY... MULTIPLEX!**



DEVELOPING OUR OFFER TO SERVE YOU BETTER

ERICK MEJEAN, MANAGING DIRECTOR, LAMBERET GROUP

In 2020, Lamberet will have the largest line of refrigerated vehicle bodies it's ever carried. No fewer than 11 new products presented at Solutrans are being released. What they have in common is something we call "ecolomy". This means that we provide concrete operational solutions with positive economic impacts, in order to enable our customers to achieve their environmental and competitive goals.

Innovations made useful

Innovation is how we're able to offer these improved vehicles and bodies, with an approach centered on our expertise. Lamberet is devoted to state-of-the-art manufacturing of insulated bodies and reefer chassis. The Group's other brand, Kerstner, specializes in cooling units dedicated to vans. The only kind of innovation that counts is one that is economically viable. The real challenge is "useful" innovation, the sort that becomes commonplace and changes the way users and carriers do business by helping them improve their productivity. This is who we are,

and it's what sets us apart, making our R&D truly matter.

Lamberet drives a step forward

As part of our long-term growth and investment strategy, Lamberet has kicked off a new industrial development plan. It began by acquiring a 40,000 m² plot of land right next to our historical industrial vehicles plant in Saint-Cyr/Menthon. In 2016, we'd already opened a new plant with 21,000 m² of indoor space in Burgundy, which now has 190 staff, in order to meet the rising demand for our other product line, utility vehicles. Our new buildings and reintegrated workshops will improve our process and productivity. Our new capacities will make it possible to grow in Europe beyond the 10% penetration, all segments combined. In France, our ambition is to be a leader in all three market segments: refrigerated light commercial vehicles, straight trucks, and semi-trailers. Looking forward, I feel strongly that supply will drive demand. When that happens, we'll be equipped to offer you high volumes and short turnaround, while maintaining the best level of quality. ■

COOL NEWS!

The Lamberet network expands in Hungary, Poland, and South Korea



Lamberet welcomes three new approved distribution partners! WANICKI Sp. Z o.o. takes over the Lamberet brand in Poland. DC PLUS SZERVICE Kft distributes FRIGOLINE and EASYFIT products in Hungary. AIRVAN assembles Lamberet refrigerated vehicles for South Korea. Encompassing 41 countries, Lamberet benefits the leading distribution and after-sales network for refrigerated bodies.

Lamberet Deutschland:
Première at the NUFAM show



Lamberet created a stir at the NUFAM light commercial and industrial vehicle trade show in Karlsruhe, Germany. The new FRIGOLINE City body ranger for 7-to-12-tons trucks was previewed there. Kerstner showed off a "single-invoice" Sprinter refrigerated van, from the Mercedes original catalog in Germany.

Lamberet was a partner
in the Driver of the Year contest!

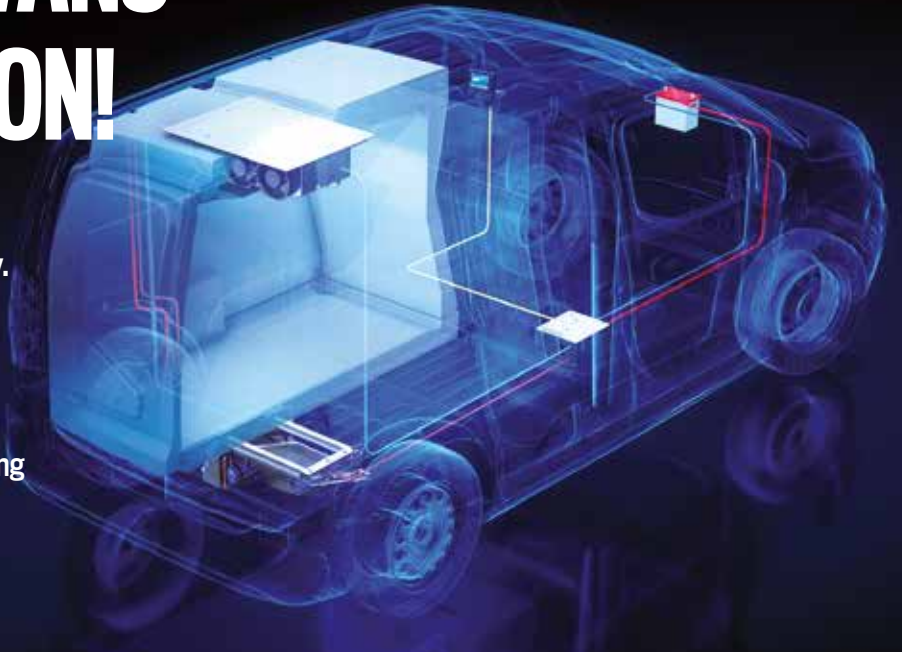


The France Routes "Driver of the Year" finals, officially sponsored by Lamberet, were held on 28 September in Le Mans, France. Two SR2 reefers "faced off" on the famous Bugatti circuit as part of the 24H Camions event. Pierre-Emmanuel Huet, from Transports Gillois in Craon (Mayenne), defeated Daniel Pereira from Transports Alainé in Mâcon (Saône-et-Loire). Congratulations to the champions!

> NEW KERSTNER E-COOLJET 106 COOLING UNIT

EFFICIENT, QUIET, ELECTRIFIED: COOLING VANS REVOLUTION!

The KERSTNER e-CoolJet 106 is innovative in more than one way. This is the first 100% integrated refrigeration unit: compressor, condenser, and evaporator. It's also an environmentally sound, ultra-low-consumption unit owing to its record efficiency.



NOMINATED



The e-CoolJet 106 unit fits for ATP-class "A" (above-zero cold) temperature-controlled vans up to 5 M3. The compressor and condenser are installed under the vehicle chassis, where the spare tire would go. They do not take up space on the roof, making it more aerodynamic. This preserves the vehicle's original WLTP qualification. The evaporator is integrated into the roof insulation to maximize cargo space and optimize internal airflow. The onboard technology offers the best energy efficiency in its field, with an EER of 1.55 and maximum consumption of 45 Amperes to suit any commercial vehicle, particularly

electric ones (EVs), without imposing a heavy, expensive add-on battery pack. The e-CoolJet 106 was chosen by Mercedes for use on its new eVito concept as part of the "Arctic Fox" project. The new e-CoolJet 106 uses never-before-seen technologies for refrigerated road transport in order to achieve its performance levels in terms of compactness and consumption. Its power management comes from development carried out for Frigovan H2, the first hydrogen-powered refrigerated vehicle, awarded with the Gold Innovation Trophy at Solutrans, in 2017. ■



HIGH EFFICIENCY

Brushless variable-speed hermetic compressor and microchannel condenser stowed in the spare tire housing.



INTUITIVE CONTROLS

The unit is controlled with a color screen that offers a battery monitoring function, including alerts and safeguards if there is a voltage drop.



IN THE RIGHT DIRECTION

One-of-a-kind: the built-in evaporator does not take up space in the cargo area, and blows inward to avoid losing cold during distribution times.



THE INNOVATIVE LINK IN THE COLD CHAIN

Lower consumption, “Easy-Maintenance”, ergonomics and safety: Lamberet makes R&D useful to its Clients.

Benefiting our complete range of refrigerated trucks and trailers, the 2019 IAA Trailer Innovation Award and the nomination for the innovation trophy at the SOLUTRANS show are highlights of our commitment.



AEROTAILS

These aerodynamic spoilers effectively reduce fuel consumption, saving up to 1%. They innovate with automated deployment and retraction mechanism, fully transparent for the driver.



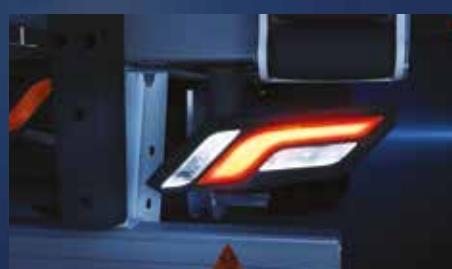
DISTRI+

This new 100% Lamberet roller-shutter door, featuring an exclusive pneumatic mechanism, opens up new horizons in distribution: it combines the best useful-height/overall-height ratio, the widest passageway on the market with 2.42 m, and the first insulated curtain developed for frozen temperatures applications.



ERGOWALL

SR2 and Frigoline multi-temperature bodies benefit from the new Ergowall partition. It uses new, lightweight, strong materials like polycarbonate and a sturdy memory-foam insulating core. Less heavy, more ergonomic, more durable!



SAFELIGHT

SR2 reefers are launching a new rear that includes a patented LED light signature. Based on an exclusive impact-retraction system because it rotates 180°, the lights combine design style and protection against breaking. Illuminating!



ERGOBEEF

An exclusive partnership between LAMBERET and the specialist NORMAN, the new Ergobeef hanging-meat racks uses X-Plast technology. Its composite network (stronger than steel) is a breakthrough innovation on the traditional tubular metal network. Noiseless, it requires no lubrication and keeps metal particles from falling.



MULTIPLEX

Using a multiplexed Can-Bus, the Multiplex connected solution controls, synchronizes, and secures all of a straight truck's functions: engine on-off and interactions with the cooling unit, the tailift, the doors and the body equipment. A First: a smartphone Bluetooth application is used by the driver as a “general” remote control!

NOMINATED



FRIGOLINE CITY, THE MISSING LINK

There's a Frigoline refrigerated body for any business!

First, there were the Frigoline and Frigoline Pro lines for chassis with GVW up to 7 tons, then the Frigoline HD for straight trucks of 12 to 26 tons. Now the brand-new Frigoline City body comes, fully designed for the growing 7-to-12 tons small trucks market. Lamberet is planning to accelerate development on this new segment for lightweight, easy-handling trucks, as anti-pollution standards and the need for mass distribution in cities are beco-

ming more burdensome. With its well-known expertise in the market for vehicles dedicated to downtown delivery, Lamberet has developed a special set of specifications for that activity. Frigoline City offers a competitive advantage when it comes to design, sturdiness, insulation, lightness, and ergonomics. Its range of dimensions and rear openings was built with last-kilometer containers and distribution best-practices in mind. ■



The integrated door-handles are a unique feature of Frigoline City design.

LAMBERET SERVICES WEST MADE IN BREIZH

France's top fishing market port by sales, Lorient is home to one of the 11 integrated after-sales Lamberet Services sites in Europe. Haul in the catch!

The Lamberet Services West location has 30 employees, refrigeration specialists, composite processors, bodywork repairers, sheet-metal assemblers, and painters. Although most of their work is centered on maintenance and repairs, the assembly and customization of new vehicles is also within their skillset. The indoor facility (5000 m²) and secure parking lot make it possible to assemble nearly 150 custom-made vehicles there each year. "To meet our clients' demand, we work directly with Lamberet's engineering office and production plants, which send us vehicle bodies in ready-to-

assemble kits, already prepared for finishing in our shops. We meet the utmost requirements of our maritime customers," explains Erwan Guiloux, Director of the location. "For instance, we equip vehicles with a controlled-temperature oxygenator for seawater tanks. Crustacean specialists are looking for a constant temperature, but not necessarily a very cold one. This is where the insulation and sealing quality of Lamberet bodies make a difference." Note that Lamberet Services West is Cemafron-certified, has an insulated booth for renewing ATP certificates, and holds a Hydrotest tail-lifts label. ■



1. With more than 30 years in the business area of the port of Lorient, Lamberet Services West has built a reputation for professionalism. 2 & 3. The location provides after-sales servicing for all brands of refrigerated bodies. The technicians have 12-tonne hoists, electronic diagnostics kits, welding stations for aluminum and steel, and more.



> INDUSTRY

A 40,000 M² EXPANSION FOR THE FUTURE OF THE SAINT-CYR/ MENTHON PLANT!

Production capacities suited for more technical or alternative-energy vehicles.

Lamberet's Saint-Cyr/Menthon site was founded 50 years ago in 1969. Located next to Lyon, France, it includes the Group's head office, one of its R&D centers, and the brand's largest plant. Its 210,000 m² of space includes two assembly lines, one for straight trucks and one for semi-trailers. It features autonomous production of panels, doors, frames, and chassis. The plant combines traditional expertise and cutting-edge technologies, like robots, laser cutting, a 450-tons press, and automated box-assembly benches.

This is a major industrial project to expand the site by 40,000 m². Lamberet plans to

build two new production units. The first will be devoted to manufacturing the chassis of straight trucks and semi-trailers. The second will be devoted to the assembly of bodies for straight trucks larger than 12 tons. The current production lines will be fully devoted to the reefer semitrailers range.

Loyal to its tradition of innovation, Lamberet will implement brand-new technologies at its freshly built workshops. Developed in-house by its R&D center, they will enable the brand's customers to benefit from exclusive competitive advantages in sustainability and performance, both economically and environmentally. ■

SHOPPING

FRIGOVAN H₂ is the first refrigerated vehicle to run on a hydrogen fuel cell, developed by Lamberet with Symbio. It features a custom-built low-consumption Kerstner CoolJet cooling unit. It won the Gold Innovation Trophy at SOLUTRANS 2017.



MERCEDES eVito "Arctic Fox" is the 100% electric (motion and refrigeration) cooling van concept based on the new electric Vito. It is at the cutting edge of innovation, with the new KERSTNER eCoolJet 106 unit fully built-in!



The new IVECO Daily Natural Power FRIGOLINE City: All the benefits of a brand-new 7-tons GVW refrigerated body, driving on natural gas and cooled by a Carrier Pulsor electric generator.



MERCEDES Econic FRIGOLINE HD: The distribution straight truck reinvented, with its low cab, natural gas drivetrain and refrigeration unit with an Eco-Drive generator or Blueeze cryogenic system.



GREEN TRUCK, a First! Lamberet Spa, Thermo-King, and Scania have created a reefer set that seeks to reduce CO₂ emissions, fuel consumption, and noise. An R410 truck running on liquid methane (LNG) is combined with a SR2 Green Liner reefer equipped with the new SLXi Hybrid unit connected to a generator.