



INNOVATION DRIVES YOU FORWARD

Press release

14/10/2022

## **CHEREAU AT TECHNOTRANS**

*CHEREAU will be present at the Technotrans exhibition, in Nantes, from October 20<sup>th</sup> to 22<sup>nd</sup>. You will discover a CityTrailer semi-trailer dedicated to the distribution and gathering many innovations. This exhibition is also the opportunity to meet our customers of the Grand-Ouest to share a friendly moment, which will be particularly appreciated in the current context.*

### **An electric cooling unit with battery pack and energy recovery axle**

This vehicle is equipped with an electric group powered by a battery pack. The battery pack is recharged from the mains and while driving, thanks to the energy recovery axle (E-Axle 24 Kw).

### **A vehicle equipped with the new EasyFlex-C partition**

This new partition is lighter and more ergonomic to facilitate the life of the users.

It is also more compact, to allow loads of 33 pallets in a multi-temperature trailer.

Finally, it is a flexible partition (hence the name EasyFlex-C), so that it can be protected from forklift truck blows. If you hit it with paddles, it does not break, but retracts towards the front. It also benefits from a specific coating at the foot of the partitions, which improves its protection and its longevity.

### **A semi-trailer with SafeLoading-C loadbrake system**

As a reminder, SafeLoading-C, which won the Bronze medal at the Innovations Awards at Solutrans, is a patented system that automatically locks the vehicle's brakes at the dock as soon as the dock door is opened. In concrete terms, the vehicle and the dock are equipped with a communicating box.

When the dock door opens, the information is shared with the vehicle via a wireless connection and the vehicle's brakes lock when the vehicle receives the signal.

When the vehicle is secured, a blue light located on the inside right side or on the dock, illuminates to inform the dock operator. The driver also receives the information via a light in front of the vehicle or directly on the dashboard.

As soon as the dock door closes, the safety device is released and the vehicle can depart.

This allows the dock operators to work in complete safety.

After a first conclusive test on a loading base, a second base is about to be equipped in order to finalize all the tests prior to the marketing and mass deployment of this solution.

### **A new ergonomic step with ramp**

We continue with the theme of user safety, with the step equipped with a ramp. It secures the access to the vehicle by allowing three points of support during the access or the exit of the vehicle. The ramp is fully integrated into the step and deploys automatically when installed. Two models are available: A narrow model for rigid and a wide model for semi-trailers.



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### News from the CHEREAU Performance range

In June, Cemafruid published (jointly with CHEREAU) in the Revue Générale du Froid, the tests performed on semi-trailers equipped with vacuum insulation. These tests show that the theoretical gain in consumption of the refrigeration unit is exactly proportional to the gain in insulation. Thus, a semi-trailer with a 27% improved K coefficient will consume 27% less energy.

These theoretical values will be verified in practice through long-distance activities that do not require door openings during the journey. It is indeed the number of door openings that will determine the relevance of this "super insulation". As an example, our tests in operation have shown a real gain of 16% for a theoretical gain of 20% for a carrier working in distribution.

At a time when a strong focus is put on energy savings, the direction taken by CHEREAU, to propose less energy consuming vehicles, proves to be quite relevant and many carriers consider investing in this type of semi-trailer, the financial return being immediate. Indeed, from the first day of use, energy savings are noticeable compared to a standard vehicle.

Of course, the financial cost of a VIP vehicle will be higher, but this will be partially or even fully compensated, depending on the use, by the reduction in fuel or energy consumption.

This CHEREAU Performance VIP range offers many other advantages: fewer refrigeration unit hours, therefore less maintenance of the unit and a better resale value of the vehicle; and depending on the economic model chosen by the carrier, a longer operating time of the vehicle.

This super insulation also allows to limit the risks of litigation in case of dry running or problems related to the refrigeration unit. Indeed, the temperature rise is up to three times slower than in a conventional trailer.

Finally, in the case of a new energy semi-trailer, the gain in insulation will mathematically allow a proportional gain in autonomy.

### CONTACT

#### CHEREAU

Aurore Leroyer  
Communication and press relations officer



[www.chereau.com](http://www.chereau.com)



[aurore.leroyer@chereau.com](mailto:aurore.leroyer@chereau.com)



+33 (0)6 65 55 80 78