



SMART & SAFE

THE FIRST EVER FULLY AUTONOMOUS CONNECTED TRAILER

New equations operate in transport: long-haul or distribution, logistics companies nowadays manage their fleets from a distance and in real time. Classical "one-way" telematics systems, only feeding data from the vehicle to transport management database do not meet the new challenges of logistics.

Lamberet unveils its innovative Smart&Safe bi-directional connected trailer package. Smart&Safe aims at giving OTA (over the air) control on any item of the vehicle: cooling unit, body, chassis and internal/external lighting, using the most mobile means such as smartphone apps.



The strong link in the cold chain

Smart&Safe package uses ergonomic smartphone and web application to control all the functionalities associated with the trailer.



It allows a smart management of the vehicle thanks two-ways communication with the cooling unit, through Novacom DG 400 modem and on-board telematics.

Different levels of administration allows the operational manager to provide other employees some access code with full or partial access to data and/or over the air actions. It is possible to customize one's account dashboard to benefit from quick access to information (such as geolocalization, loading area temperature, tank level...).

Smart&Safe is able, even during transport, to send an alarm to logistics management in case of wrong temperature set-point, lack of fuel, cooling unit off...

The operator can answer the alarm by setting himself the cooling unit on, adjusting temperature or even localize it and send the closer located assistance. Smart&Safe package aims at preventing cold chain breakdown and securing transport operations by direct over the air actions on the cooling unit status.

Lamberet has added the following features to enhance the safety level of the trailer:

- Fully autonomous internal and external lighting, distance controlled, supplied by a dedicated battery pack.
- A doubled security on doors, based on a Transafety Lock, TAPA eligible, fully integrated in the trailer threshold.
- A fuel tank sensor level and alarm.
- A monitoring of the additional battery package and of the cooling unit battery. In case of low electricity level, the system sends an alarm and allows to restart from the Smartphone app the cooling unit to reload the batteries.

The interface uses smartphone application and web-based connexions.

Wabco Optilink manages more than 20 chassis equipments using wifi communication. The system is also able to take into account preferential "driver" modus, to automatically ease, for example, docking maneuvers: when reverse gear is engaged, the application jumps directly to the Tailguard function to display incoming obstacles.