

## SOLUTRANS 2023 I-nnovation AWARDS

### A top-level shortlist: 100 entries, 40 world previews and 70 patents

Under the auspices of the tradeshow SOLUTRANS (from 21 to 25 November 2023), the judging panel for the I-nnovation AWARDS met on 12 October at the French Bodywork Federation (FFC), to select the most innovative entries in this 2023 edition.

From around a hundred submissions, 25 innovations were shortlisted: seven in the Body Builders category, seven in the Equipment suppliers category, seven in the Digital Award category, and finally four in the new Cargo bike category.

Additionally, a special “Joseph Libner” award, in tribute to the former FFC Chairman, will be presented to an innovation with a specific environmental aspect from across the Body Builders and Equipment Suppliers categories.

The winners will be announced at the official award ceremony on Tuesday 21 November at 7.00pm at an evening at the Lyon Groupama Stadium.

#### An exceptional vintage

The judging panel of the I-nnovation AWARDS is made up of technical officers from HGV manufacturers, acknowledged industry professionals (partner transport federations, competition clusters, etc.) and specialist journalists. These experts deliberated extensively to ultimately select the best innovative solutions in the various categories. This year, the jury drew attention to the very high standard of entries submitted, which is a sign of the undisputable dynamism of the sector. Among the entries feature 40 world previews and 70 patents.

The judges paid particular tribute to the dedication of entrants, who were keen to showcase their innovations focussing on aspects including vehicle and personal safety, connectivity, fuel economy, carbon emission reduction, efficiency, and biofuels.

#### A highly awaited roll of honour

The Groupama Stadium in Lyon will be the backdrop for the official presentation of:

- 3 awards - Gold, Silver and Bronze - in the **Body Builders category**;
- 3 awards - Gold, Silver and Bronze - in the **Equipment Suppliers category**;
- 3 “**Digital AWARDS**” to reward a winner in each of the categories of “software publishing” and “connectivity solutions”. The judges also present their own “Special Award”.
- **1 special Joseph Libner award** in the Body Builders and Equipment Suppliers categories.

The **Cargo Bike award** will be presented on an experimental basis owing to the lack of regulations governing the product segment at the present time. The winner will be designated by SOLUTRANS and FFC, rather than by the judging panel.

Four companies have been shortlisted for this award:

- **FlexiModal** for the TricyLift;
- **K-Ryole** and its trailer with a liftgate pallet carrier;
- **Pelican Cycles** for the Pelican Train;
- **VUF Bike** pour le XXL Valéo Transporter.

All these innovations can be discovered at SOLUTRANS, from 21 to 25 November at Eurexpo Lyon, on the stands of the respective exhibitors.

Get your accreditation for the show by clicking [here](#)

## The 7 nominees in the Body Builders category

EXHIBITOR	SHORTLISTED PRODUCT	STAND
BLOCK SHAFT GROUP	<p><b>Product name: Padlock to protect the loading area of commercial vehicles</b> Block Shaft Group has manufactured a mechanical padlock to protect the loading area of any commercial vehicle. The padlock is installed permanently on vehicle doors and can be operated via Bluetooth of the mobile phone. Furthermore, a Web Management Platform has been designed to check and register what is happening with the padlock at all times. The platform allows the padlock to be unlocked remotely, via mobile APP, using the Bluetooth of the mobile phone. Vehicles in the fleet, users (the driver, fleet manager, etc.), locations and journeys will be registered on the web platform, allowing the padlock to operate according to the information registered, being able to modify or cancel them at any time.</p>	Hall 2 D 023
CARRIER TRANSICOLD	<p><b>Product name: Le Vector HE 19 MT low CO2</b> Is the first refrigeration system for semi-trailers in the world to combine a low GWP coolant and a 100% biodiesel fuel, B100, a cleaner fuel than fossil fuel diesel. The use of a coolant whose GWP is 88% lower than that of currently used coolants.</p>	Hall 4 D 065
ELECTRO	<p><b>Product name: ID Fuel</b> ID Fuel is a fuel analysis system that guarantees the exclusive use of B100 or HVO biofuels eligible for a Crit'Air 1 sticker. This system is the brainchild of two innovative companies: SP3H, which has devoted more than 18 years of R&amp;D to design a miniaturized, real-time, on-board infrared fuel analysis solution, and HYPHEN TECH, a brand of ELECTRO MAINTENANCE, which specialises in optimising the dialogue between vehicle, accessories and user. Easy to install, ID Fuel consists of two separate components: the "FluidBOX Micro" optical scanner, which analyses the fuel in real time on the tank side, and the "Atlas Connect" box, which communicates with the optical scanner and the vehicle to ensure strict compliance with regulations. The inadvertent use of non-compliant fuel will ultimately result in the immobilisation of the vehicle. The system can be fitted to all vehicles from Euro6 upwards, with engines compatible with B100 or XTL/HVO type fuels.</p>	Hall 5 C 067
JOST	<p><b>Product name: KKS</b> KKS is an automatic control and monitoring system for the entire coupling process. The KKS enables the driver to couple and uncouple the semi-trailer automatically, quickly and safely using this remote control. This new product alone offers a considerable increase in efficiency, comfort and safety. With all these advantages, the KKS system is the future of logistics and an essential component of autonomous driving. A revolutionary world first. The KKS can also be retrofitted.</p>	Hall 3 A 011
MICHELIN	<p><b>Product name: Tyre for buses containing 58% of sustainable materials.</b> Last October, Michelin presented a tyre for buses containing 58% of sustainable materials. Michelin has taken a new step toward the pre-production and marketing within two to three years of new ranges that will include high levels of sustainable materials. The Group is thus well set to meet its undertakings for global production with 100% of bio-sourced, renewable or recycled materials by 2050, with a 40% step in 2030. Michelin owes this progress to a greater use of natural rubber, together with the inclusion in its tyres of recycled carbon black, oils such as sunflower oil and bio-sourced resins, silica from rice husks and even recycled steel.</p>	Hall 3 B 080
TELMA SAS	<p><b>Product name: HIB</b> Telma has come up with a worldwide unique hybridization innovation: the HIB (Hybrid Induction Brake) system. In addition to the safety function of the retarder, this innovation provides two further functions: a motor function which provides power support for combustion engines, and a generator function which converts braking energy into electrical power for the vehicle's auxiliary systems (air conditioning, refrigeration, concrete mixer, waste compacter, etc.). Just like all of the other</p>	Hall 5 B 055

	<p>Telma retarder systems, the HIB reduces the environmental impact of the vehicle to which it is fitted. Its operation does not emit fine particles during the braking process. Moreover, the motor and generator functions reduce the vehicle's fuel consumption and thus CO2 emissions.</p>	
<p><b>ZEID</b></p>	<p><b>Product name: Z-TEC NOSPRAY</b>  is an active anti-spray system that significantly reduces water spray in wet weather. It consists of mobile brushes that skim the road and absorb the kinetic energy of the water projected by the wheel. The system is raised at low speeds and lowers to the active position when the vehicle exceeds 15km/h. Its robust, balanced mechanism guarantees reliable movement. The system is made integral with the axle so that suspension movements do not affect the effectiveness of the device. Its modular mounting system, which embraces the axle body, means that the system can be offered as original equipment or retrofit.</p>	<p>Hall 6 D 031</p>

## The 7 nominees in the Equipment Suppliers category

EXHIBITOR	SHORTLISTED PRODUCT	STAND
<b>BENALU - LEGRAS GROUP</b>	<p><b>Product name: SLIDOOR</b></p> <p>The SLIDOOR system is inspired by the strengths of market-available door solutions and, through its automation and the use of mechanical devices unique in the world of tipper doors (worm screws and slide rails in particular) innovates and allows use from the cabin without risk for the user and with door sweeping space when opening reduced to the minimum necessary. The solution developed consists of unlocking then opening the leaves automatically. Then sliding them along the side faces using actuators. The SLIDOOR system limits the space required on each side, allowing smaller dumping areas for each tipper and allowing the doors to be opened when semi-trailers are parked next to each other. In addition, it does not require significant ceiling height, again reducing the dimensions of the unloading areas. The system therefore provides unrivalled comfort of use and safety for transporters.</p>	Hall 5 B 090
<b>CHEREAU</b>	<p><b>Product name: SmarTrailer</b></p> <p>SmarTrailer brings together CHEREAU's patented innovations and sets a new standard for refrigerated semi-trailers, based on 3 key pillars for hauliers: decarbonisation, employer attractiveness and connected logistics.</p> <p>Even better insulated as standard thanks to HFO foam and VIP (Performance version), SmarTrailer pushes performance levels even further for greater energy efficiency and protection of the transported goods. It can be fitted with an aerodynamic system (retrofitable), reducing the tractor's fuel consumption, and offers customised energies for the refrigeration unit.</p> <p>Connected as standard, SmarTrailer enables hauliers to integrate their vehicles into Logistics 4.0 and reap all the economic and safety benefits of TPMS. SmarTrailer offers unique optional equipment to enhance user comfort and safety: Safeloading anti-start system, easyflex ergonomic bulkhead, KKS automated coupling, etc.</p>	Hall 4 D 122
<b>GRANALU</b>	<p><b>Product name: G-Aero semitrailer</b></p> <p>Within our bulk range (multipurpose transport of bulk loads such as cereal, beets, fertilizer, coal, etc.), Granalu launched its new G-Aero model in January 2022. The new G-Aero represents a revolution in the transport of bulk goods because it manages to optimize the loads of its customers, with a perfect combination of aerodynamics, robustness and payload.</p> <p>The new G-Aero semi-trailer has a useful length from 9m to 10.5m with volumes from 35m<sup>3</sup> to 61m<sup>3</sup>, and its composition is made up of 100% welded horizontal sheets (using robotic welding) and a curved lower profile that gives it aerodynamics and design. Among its main characteristics and added values for the client, the following stand out: greater aerodynamics + maximum payload + lightness, and robustness.</p>	Hall 5 B 140
<b>KÖGEL</b>	<p><b>Product name: MCS</b></p> <p>MCS (Multi Container Stop) eliminates the need for conventional container locks at the front of the container chassis. The load is secured there exclusively via positive locking, the demonstrably best form of load securing in accordance with DIN EN 12642.</p> <p>The Kögel MCS can be operated intuitively, and its use is self-explanatory. Simple, fast and safe handling for the driver and the forwarder.</p> <p>In addition, Kögel has drastically reduced the weight of the front section of the container chassis with the Kögel MCS. This also results in a higher payload. Furthermore, the Kögel MCS sets new standards in terms of occupational safety, operating costs, and reliability. In summary: With Kögel MCS, Kögel is strengthening climate-friendly, multimodal transport, which combines the strengths of the individual modes of transport.</p>	Hall 4 D 086
<b>LAMBERET</b>	<p><b>Product name: SAFESTAIR</b></p> <p>Work accidents are regularly observed when climbing or descending from vehicles. Current vehicles are equipped with basic means of access, such as fixed steps or retractable running boards. The shapes of the steps, their depth and position of steps have not really been adapted to the requirements of intensive use as required by urban delivery for example. SAFESTAIR is the ergonomic and</p>	Hall 4 D 121

	<p>secure answer to a modern means of rear access. Based on the VASL standard for motorhomes, LAMBERET has created a retractable ladder with 3 or 4 steps + 1 shelf with a side ramp allowing a third point of contact, a guarantee of safety when climbing or descending. Thanks to its exclusive kinematics, with no pinch-shear zones, handling is simple and self-lockable. Compatible on both trailers and tractor units, as OE or as retrofit.</p>	
<b>LECAPITAINE</b>	<p><b>Product name: Recircle solution</b>  Produce, recycle, repeat - that's the principle behind our new recyclable refrigerated bodywork solution: Recircle solution.  The LECAPITAINE teams have been thinking about the environmental impact of its bodywork and this project is the result. We aim to produce a more environmentally friendly body, with a production process that is part of a circular economy. The sandwich panels, profiles and injected parts will be made from a single recycled and recyclable material: PET. This new generation of patented bodywork has the same technical performance as our traditional bodywork. Through a Life Cycle Assessment (LCA), we were able to demonstrate a significant improvement in environmental performance.  By reducing our CO2 emissions by 72% and enabling us to recycle over 97% of our bodywork, the Recircle solution will help us move towards a greener industry.</p>	Hall 4 B 085
<b>SCHMITZ CARGOBULL</b>	<p><b>Product name: S.CS X-TOUGH</b>  The S.CS X-TOUGH semi-trailer has been specially developed for countries with regulations authorising a GVWR of 44 tonnes, so-called severe or intensive use and for all demanding clients. Its new chassis fits in perfectly with the Schmitz Cargobull range, with its fully galvanised and bolted structure. The S.CS X-TOUGH has cross beams in the chassis structure, which add strength and robustness. The stability of the chassis is particularly evident with rear loading and high frequency of forklift loading. The chassis can be combined with various equipment options, such as the slatless POWER CURTAIN or the SPEED CURTAIN quick-opening tarpaulin. Schmitz Cargobull offers a 10-year warranty against rusting through on all galvanised parts in the chassis. Galvanisation offers optimum protection against rusting through.</p>	Hall 4 F 122

## The 7 nominees in the Digital Awards category

EXHIBITOR	SHORTLISTED PRODUCT	STAND
BÄR CARGOLIFT FRANCE SAS	<p><b>Product name: VisionAssist</b></p> <p>Safety first! Safety and digitalization - how about the platform stopping automatically if there is a risk of collision? The new VisionAssist assistance system uses AI rear-view cameras. If the camera detects a person within the platform's movement radius, the operating command immediately stops automatically. Combined with Bär SmartControl CabinControl, the hazardous situation is directly displayed to the driver on the monitor in the cab. VisionAssist thus supports the driver in reacting quickly to unforeseen events. When the function is selected again, the tail lift can continue to be operated. VisionAssist can be used regardless of the control element. At the Bär Control EVO operating unit, the detected danger can be signalled by a red LED status display.</p>	Hall 3 B 051
GROUPE MICHELIN	<p><b>Product name: MICHELIN Smart Predictive Tyre</b> is the automated solution for tyre inspection, alert and predictive maintenance combining TPMS* temperature and pressure sensors, the patented MICHELIN QuickScan wear monitoring system and MICHELIN predictive algorithms.</p> <p>*TPMS = Tyre Pressure Monitoring System</p>	Hall 3 B 080
KOSKISEN CORPORATION	<p><b>Product name: SENSi Panel</b></p> <p>is a mass-calculating smart panel for the trailer- and cargo industry. It enables cloud-based telematics, giving its user invaluable real-time data and logistics control.</p>	Passage 4/5 F 026
MAN TRUCK & BUS FRANCE	<p><b>Product name: MAN eManager</b></p> <p>The digital service MAN eManager enables comprehensive charging management as well as vehicle and battery monitoring for the entire new MAN eTruck fleet.</p> <p>With the MAN eManagerS, battery charging and air conditioning of the vehicle or the entire new MAN eTruck fleet are controlled simply and efficiently.</p> <p>In addition to the charging management options of the MAN eManagerS, the MAN eManagerM offers extended information for detailed analysis and history, for example, battery-relevant performance indicators such as temperature, voltage or charging or discharging current.</p>	Hall 3 C 011
RENAULT	<p><b>Product name: openR link with convertor companion</b></p> <p>Pre-disposition of the vehicle's Renault multimedia screen so that bodybuilders can display their application on it.</p> <p>Renault openR link multimedia allows converters' applications to run on the Renault ecosystem in order for the customer be able to pilot and control defined conversion functions.</p>	Hall 4 E 026
TIRSAN TREYLER SAN. VE TIC.A.S.	<p><b>Product name: Kässbohrer integrity protection device</b></p> <p>Kässbohrer constantly develops its' vehicles to address efficiency of operations, load and road safety while associations like TAPA work to increase the security of the entire supply chain.</p>	Hall 4 G 122
ZF FRIEDRICHSHAFEN AG	<p><b>Product name: SCALAR New generation fleet management</b></p> <p>SCALAR is ZF's new digital Fleet Orchestration Platform (FOP). It builds on ZF's world-class experience in delivering advanced fleet management and digital connectivity solutions, as well as in designing autonomous vehicle operation algorithms. SCALAR offers real-time, AI-based automated decision-making and efficiency improvement tools for fleets of human-driven, autonomous as well as mixed vehicles. It supports fleets transporting people or goods.</p>	Passage 3/4 A 026

## The 4 nominees in the Cargo Bike category

EXHIBITOR	SHORTLISTED PRODUCT	STAND
FLEXI MODAL	<p><b>Product name: TricyLift</b></p> <p>The TricyLift is a utility cargo bike designed for parcel delivery professionals. Fully embracing the principle of containerisation thanks to its unique patented Lift&amp;Go technology, the TricyLift splits in two to lift the load effortlessly directly from the ground onto the rear frame of the bike. Quick to assemble, the TricyLift allows you to make a series of deliveries without stopping or reloading, for greater efficiency.</p> <p>This facility for separating the front and rear parts makes for compact storage that meets the space requirements of urban logistics operators. A genuine innovation, the TricyLift offers a unique seat that aims to democratise the use of cargo bikes for last-mile delivery by providing a comfortable driving seat that is close to that of a motor vehicle. The simplicity of its design makes it a low-tech bike, easy to handle and maintain, to guarantee the safety and therefore the efficiency of deliverers.</p>	Hall 1 C 001
K-RYOLE	<p><b>Product name: Trailer with lift gate pallet carrier</b></p> <p>A 100% autonomous pallet carrier, enabling 350 kg pallets to be loaded, transported and unloaded in a way that is safe for both the delivery driver and his or her goods. The trailer is attached to a bicycle, and thanks to the world-patented Kaptor technology, the rider no longer has to exert any effort at all. This trailer allows deliveries to be made right down to the last metre and pallets to be dropped off directly at the delivery site. This trailer was co-designed with DB Schenker.</p>	Hall 1 C 019
PELICAN CYCLES	<p><b>Product name: Pelican Train</b></p> <p>Pelican has developed a solution: the logistics train, or pelicanTrain. This is a cargo bike that can be ridden like a conventional bicycle without any training. It has a flexible carrying capacity, ranging from 100L to 3,000L with the addition of one or more trailers, and can load up to 500kg.</p> <p>To be this modular, each element (bike or trailer) is powered and fitted with brakes. We've developed and patented our own technology for synchronising the motors and brakes to ensure that the ride is as smooth and safe as possible: whether you're riding the bike alone or with one or two trailers, the feeling is still fluid, and the rider doesn't feel the weight of the trailers, which follow the bike without pulling or pushing it. PelicanTrain is made in Europe, using German engines and batteries.</p>	Hall 1 A 002
VUF BIKES	<p><b>Product name: VUF XXL Valeo Transporter</b></p> <p>The Valeo Transporteur VUF XXL is an electrically assisted three-wheeler "made in France" designed for transporting heavy loads and large volumes (up to 150 kg and 1.5m<sup>3</sup>). Its large loading area and electric assistance make it a safe and comfortable utility solution, thanks to its ergonomic design and reduced footprint for users between 1.5m and 2m tall.</p> <p>The scooter is equipped with the Valeo Cyclee pedal motor: a unique concentrate of technologies combining a 48V motor with an integrated adaptive gearbox (7 speeds). The VUF XXL can reach a speed of 25 km/h (in compliance with e-bike standards) with a maximum torque of 130 Nm.</p> <p>The Transporter Poly box is waterproof and robust. Its structural polypropylene panels make it very light, 100% recyclable and UV-protected. The box is equipped with a rear door and a side door, both fitted with an RFID badge opening system for easy loading and unloading.</p>	Hall 1 C 010

## About SOLUTRANS

SOLUTRANS: THE GLOBAL HUB FOR HEAVY & LIGHT COMMERCIAL VEHICLES

SOLUTRANS, bringing together market players from across the heavy and light commercial vehicle industry, will hold its 17th edition from 21 to 25 November 2023 at Lyon Eurexpo, France.

The event, belonging to the French Bodywork Federation FFC and certified by the International Organization of Motor Vehicle Manufacturers (OICA), brings together, over 90,000 sqm, nearly 50,000 professionals along with 1,000 exhibitors and brands from all over the world, under a shared banner: "Energy transition: all players in a greener industry."

SOLUTRANS is the two-yearly rendezvous of one of the most innovative sector verticals, from industry to services. Global economic conditions make SOLUTRANS a showcase for the exceptional performances of HGV builders, bodywork manufacturers, vehicle fitters, OEMs, manufacturers of workshop equipment, tyre professionals and distribution networks.

SOLUTRANS also aims to echo the challenges of the sector, with a specific focus on energy sources, retrofitting, city centre deliveries and its constraints, etc. Moreover, this year the show will present its vision of the "last yard", with an approach centring on city centre access restrictions, and low emission zones in particular. New delivery methods, notably cargo bikes, which are becoming a part of the transport ecosystem, will have a large educational and test area allotted to them in the centre of Hall 1.

With its status as a global industry event, SOLUTRANS has set itself the goals of supporting the industrial sector, promoting solutions to professionals, and anticipating the challenges that lie ahead.

### SOLUTRANS press office:

CLC Communications - Tel.: +33 1 42 93 04 04

Jérôme Saczewski – Laurence Bachelot – Eglantine Douchy – Marine Broustal

[j.saczewski@clccom.com](mailto:j.saczewski@clccom.com) – [l.bachelot@clccom.com](mailto:l.bachelot@clccom.com) – [e.douchy@clccom.com](mailto:e.douchy@clccom.com) – [m.broustal@clccom.com](mailto:m.broustal@clccom.com)

### FFC media contact:

Frédéric Richard – +33 6 82 87 69 34 - [frederic.richard@ffc-carrosserie.org](mailto:frederic.richard@ffc-carrosserie.org)

