

Presse Release  
Solutrans | Lyon  
November 2023

## **Solutrans 2023: JOST showcases pioneering assistance systems and sustainability with green products**

At Solutrans, taking place from 21 to 25 November 2023 in Lyon, JOST will show a comprehensive range of products: from innovations like the Drawbar Finder to proven products like the Modul landing gears. The industry trends #jostassist #jostgreen and #jostdigital will guide the international audience through the stand A011 in hall 3. Live demonstrations of the innovative KKS automatic coupling system with the new King Pin Finder on the outdoor area are also part of JOST's presentation. Furthermore, the stand will feature the premiere of the JOST Truck Stop Corner. In three daily sessions visitors can experience practical animations that illustrate the importance of maintenance and technical knowledge of JOST products. Preventive maintenance gives the advantage to maintain the best security and performance level during the product life cycle.

“We are pleased to be represented once again at Solutrans, where revolutionary ideas and comprehensive information in the commercial vehicle industry from all over the world come together. JOST will present intelligent assistance systems for drivers, special green products that are weight-optimised as well as proven solutions that increase the efficiency and safety of a transport fleet”, said Frédéric Ménestrot, Managing Director JOST France. “At our stand we will additionally highlight the topic of preventive maintenance. At JOST we offer training workshops and with the JOST Truck Stop video series at YouTube useful tutorials regarding maintenance. We will embed this philosophy to the stand with daily animations around replacing and mounting parts on JOST products. Preventive maintenance is a labour advantage to cut costs by reducing the number of parts replaced and the unexpected time the vehicle is stationary.”

### **Automatic coupling via remote control with KKS: faster, safer, more efficient**

The KKS enables drivers to couple and uncouple semi-trailers via remote control without leaving the driver's cabin, automatically, safely and quickly. The driver is guided through the entire coupling process, with sensor technology providing live information on the KKS remote control throughout every step of the process. For example, the support plate sensor indicates that the trailer plate is touching and the position of the king pin is also monitored by sensors. Climbing out of the cabin to manually open the fifth wheel, cranking down the landing gear and manually connecting the spiral cable, air and brake connections are all a thing of the past for drivers. Time, comfort and safety gains are made possible with just one product.

The KKS also stands for the future of logistics and is a key component of autonomous driving. Alongside the exhibit at the stand, there will also be live demonstrations at the Solutrans: Visitors can see the automatic coupling process for themselves every day on the outdoor area.

The jury of the prestigious Solutrans Innovation Awards set the JOST KKS on the shortlist for this year's awards in the category "equipment suppliers". The prize ceremony will be on November 21.

#### **JOST King Pin Finder: new assistance system**

As an innovation, JOST will be presenting the King Pin Finder in Lyon, a camera integrated in the fifth wheel coupling that supports the coupling process by sending optimum images to the dashboard in the driver's cabin. Securely integrated into the fifth wheel coupling, the JOST King Pin Finder provides assistance during coupling, thereby enhancing both safety and convenience. This latest assistance system allows the driver to find the ideal coupling height and to manoeuvre the tractor perfectly. The King Pin Finder assists by displaying a live camera image in the driver's cabin when driving backwards, making the coupling process considerably easier. On top of this, the system's intuitive handling assists drivers when changing trailers – thereby preventing accidents and damage to the fifth wheel coupling and king pin, as well as the truck and trailer. The King Pin Finder can also be seen live in operation in the outdoor area of the Solutrans.

#### **Drawbar Finder: the smart solution for the coupling process**

ROCKINGER will exhibit a further innovation at Solutrans in the form of the Drawbar Finder. Here, a camera sits in a central and protected position above the towing hitch, functioning as an extra set of eyes and preventing misalignment of the drawbar eye. By providing both horizontal and vertical guidance, it enables precise coupling, which in turn raises efficiency and helps prevent accidents. The driver no longer needs to get out of the truck to check that the drawbar eye is aligned correctly. It is therefore a practical tool for coupling processes, which is a particular advantage when using central axle trailers.

#### **More than just a standard landing gear: the JOST Modul landing gears**

JOST landing gears are extremely versatile and have proven themselves time and again in daily use. Their flexible, modular design makes it easy to adapt to all important customer requirements, from standard implementations to specialised applications. JOST will present several highlights from its Modul family of landing gears at the Solutrans: OPTIMA (the weight-optimised landing gear for long-distance transport), Modul B as an E-Drive version (best-in-class landing gear with additional reinforcement and electric motor for universal application) and Modul CS (for liquid and bulk tippers, which require stabilising landing gears in the rear for support during unloading). For those who particularly value low weight, we will also present Modul CA (an especially light aluminium landing gear with new S foot), which impresses with a weight saving of 41 kg compared to Modul B, as well as the newest and lightest member of the landing gear family, the powerful aluminium drop leg FA027, with a total weight of just 37 kg per set.

#### **JOST CSA and TRIDEC EF-S: Command Steer Axle with electronic steering system**

Tight depots, narrow city streets and a 16.5-meter-long trailer that needs to be steered safely – all challenges that push conventional axle systems to their limits and demand a command steer axle. Following the successful market launch of the CSA with the 9-tonne version, a 10-tonne axle has been added to the portfolio in 2023. Like the 9T, the CSA 10T can also be used in all conventional steering

systems whether mechanical, hydraulic or electronic. It impresses with outstanding performance characteristics and in particular the lowest roll radius. This has a positive effect on the actuation force, which is up to 70% lower than that of comparable axles as a result. Additional batteries are rendered obsolete and there is greater flexibility when designing steering systems. The low space requirement of the CSA is unparalleled, enabling smaller mud guard designs and thus wholly new vehicle designs, even when space is tight.

The JOST CSA is perfectly tailored to TRIDEC-brand steering systems: the TF mechanical system, the HF and HF-E hydraulic systems and the EF-S electronic steering system, with which the CSA can be seen at Solutrans. Up to three JOST CSA axles can be used. The steering angle can be easily adapted to the available space for installation and the required maneuverability.

#### **DCA WEIGHTMASTER PLUS: new weight-optimised axle**

Reducing emissions, protecting resources and maximising efficiency were the key aims when developing the lightest axle in its class. The optimised structure of the entire axle reduces the total weight by 51 kg. In combination with the optional Weight Optimiser 27, the air bellows support with a lightweight aluminium tail end structure, further weight savings of 27 kg are possible in the total. The highlight of DCA WEIGHTMASTER PLUS is its wheel head with optimised weight, wear properties and performance. This includes the new DCA X7 brake, the lightest brake in its segment. The aim during its development was to achieve ideal interplay between the brake disc and lining, thereby reducing emissions while maximising the payload and performance.

The PLUS series of DCA axles offers benefits for all trailer applications. That is why it is not limited to the WEIGHTMASTER series. The new features will also be available for DCA AIRMASTER, DCA STEERMASTER, DCA PAVEMASTER, DCA MEGAMASTER and DCA RAILMASTER.

#### **For the French market: ROCKINGER RO\*50 BNA**

As a further highlight, JOST will exhibit the ROCKINGER RO\*50 BNA towing hitch with remote control incl. Drawbar Finder at Solutrans. The ROCKINGER RO\*50 BNA was developed especially for the French market, as it is used for the trailers used here with ring drawbar eyes according to the BNA design (68 mm). The special second-generation hydraulic damping system with by-pass system prevents play of the drawbar eye on the pivoting pin and thus ensures low wear and maximum driving comfort. The new second-generation hydraulic unit is also integrated into the coupling in such a way that it can be bolted to the rear crossbar from the outside without having to be dismantled, making the RO\*50 BNA extremely easy to install.

#### **TRIDEC TRITRONIC: Wireless Trailer Management System**

As a developer and producer of axle and manufacturer-independent steering systems, TRIDEC offers not only mechanical, but also hydraulic and electronic steering systems for trailers. TRIDEC presents TRITRONIC at the exhibition stand: TRITRONIC is a wireless trailer management system for heavy-duty transporters and is a supplement to the hydraulic TRIDEC steering and suspension systems. It offers the possibility of operating several functions on the trailer, such as steering, automatic toe-in, ride height control and many more, by means of a single powerful remote control. In terms of functionality,

ease of operation and safety, TRITRONIC offers a solution for heavy transport that is unique on the market.

**JOST World stand: Hall 3/ stand A011**

## Image material

**Automatic coupling system KKS:**



**King Pin Finder assistance system:**



**ROCKINGER Drawbar Finder upgrade kit:**



**Weight-optimised landing gear OPTIMA:**



**Aluminium drop leg:**



**Command Steer Axle JOST CSA with electronic steering system TRIDEC EF-S:**



**DCA WEIGHTMASTER PLUS weight-optimised axle:**



**ROCKINGER RO\*50 BNA**



**Wireless Trailer Management System TRITRONIC:**



**About JOST:**

JOST is a world-leading producer and supplier of safety-critical systems for the commercial vehicle industry. Under the umbrella brand of JOST, the comprehensive range of products is broken down into systems for the transport as well as agriculture and construction industries:

The JOST brand includes fifth wheel couplings, landing gears, ball bearing turntables, king pins and container locks as well as components for alternating systems. Truck and trailer axles are also sold under the JOST brand. The tradition-steeped ROCKINGER brand comprises the core components of towing hitches, drawbar eyes and drawbars for transporters and trucks. TRIDEC offers steering systems and axle suspensions for trailers.

Products of the ROCKINGER brand are also used in agricultural applications and equip agricultural vehicles from hitches to three-point linkages.

The Quicke brand specialises in agricultural front loaders and equipment. This additionally includes products for the mining, construction and forestry machinery industries.

JOST currently employs over 4,500 staff worldwide and has sales and production sites in over 25 countries and on six continents. JOST has been listed on the Frankfurt Stock Exchange. Further information on JOST can be found here: [www.jost-world.com](http://www.jost-world.com)

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