



# PRESS RELEASE

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## RENAULT TRUCKS ADOPTS DRONE INVENTORY AND PHOTOGRAPHY SOLUTIONS

**Renault Trucks has decided to start using drones in its Axle plant in Lyon to overcome challenges and increase efficiency in inventory taking. The manufacturer is also using drones in its used vehicle business to take better photographs of its trucks.**

### **An inventory drone at the Axle plant**

Taking inventory is often a tedious task for employees and the repetitive non-ergonomic movements involved can sometimes lead to musculoskeletal disorders.

That is why the Renault Trucks Axle centre in Lyon Saint-Priest in France is now using a drone to perform inventory control operations, which, until now, have been carried out manually by an employee using binoculars.

Using built-in mapping features and a predetermined flight plan, the drone reads the barcodes on the pallets using three scanners on its front. It can take an inventory of a location in six seconds, which is ten times quicker than with a manual system.

Photographs are also taken of each location, enabling any issues on pallets to be viewed easily.

*"Working with our partner Hardis, we studied the positioning and specific characteristics of our storage racks in order to draw up a precise flight plan and program it on a tablet. The drone can operate in several hundred locations," explained Vincent Marlinge, Renault Trucks Axle Factory Manager.*

It is easy for operators to learn how to use the device due to its intuitive interface. The device is completely autonomous: the operator supervises the flight plan rather than controlling the drone.

Once the inventory is completed, the tool displays a visual indication of compliant and non-compliant locations, enabling logistics operators to focus their efforts on discrepancies with the information system, thus saving a lot of time. The drone guarantees accurate stock information and prevents production downtime.

### **"Photographer" drones for the used vehicle centre**

The Renault Trucks used vehicle centre in Lyon Saint-Priest is also introducing drones to take 360° photographs which will be available on the brand's used trucks e-commerce platform: [www.used-renault-trucks.com](http://www.used-renault-trucks.com). Customers will be able to see high-quality images to help them to choose a used vehicle.

Each drone is connected to eight markers which guide it according to a predetermined flight plan. Controlled by an operator, the device captures images instantaneously, taking just three minutes to photograph the whole vehicle.

"At Renault Trucks we treat customers the same whether they are buying a new or used vehicle. In addition to saving time with the drones, these 360° studio-quality photographs meet the same standards as the ones we take of new vehicles," explained Pascal Philis, Digital Solutions Manager.

This pilot process will be introduced at the Lyon used vehicles centre in autumn 2019 before being rolled out internationally.

### ***About Renault Trucks***

Building on the legacy of more than a century of French truck know-how, Renault Trucks supplies transport professionals with a wide range of services and vehicles (from 2.8 to 120 T) adapted to local and regional distribution, construction and long distance activities. Renault Trucks vehicles are sturdy and reliable with low fuel consumption that enables them to deliver greater productivity and control operating costs. Renault Trucks is distributing and servicing its trucks via a dealership network comprising over 1,500 service points. The design and assembly of Renault Trucks vehicles, as well as the production of most components, is carried out in France.

Renault Trucks is part of the Volvo Group, one of the world's leading manufacturers of trucks, buses, construction equipment and marine and industrial engines. The Group also provides complete solutions for financing and service. The Volvo Group, which employs about 105,000 people, has production facilities in 18 countries and sells its products in more than 190 markets. In 2018 the Volvo Group's net sales amounted to about SEK 391 billion (EUR 38 billion). The Volvo Group is a publicly-held company headquartered in Gothenburg, Sweden. Volvo shares are listed on Nasdaq Stockholm.

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