



# Dematic Drone Inspection Services

**The next level of bearing  
inspection - fast and safe.**

# Drone Inspection Services

## Fast and Safe



### The next level of warehouse inspection

Drones in the warehouse are no longer dreams of the future. However, they have so far been used for stocktaking and finding incorrectly positioned warehouse goods.

With the **Dematic Drone Inspection Services**, we go one step further and offer regular inspections of your storage equipment. This includes stacker cranes, racking, stored goods and buildings alike.

For the annual inspection, service technicians protected against falling had to climb up the stacker cranes in personal safety equipment to inspect the upper crossbeam. With **Dematic Drone Inspection Services** this is done in a few minutes and without risk. This allows the majority of inspections to be carried out successfully. Only when the drone pilot detects an irregularity does the service technician climb up.

This service is only carried out by trained and certified drone pilots. **Dematic Drone Inspection Services** is approved by the German Federal Aviation Authority and is available as a service with a protected utility model only from Dematic and only for ambient temperature warehouses.

### The advantages at a glance:

- Less risk for humans
- Less time-consuming, as the majority of operations can be covered with the drone service
- Faster and shorter service calls with lower labour costs
- Shorter plant downtimes and lower downtime costs



# Drone Inspection Services

## Use Cases



### Interim inspection



Support of the customer in the checks to be carried out by himself in accordance with the operating and maintenance instructions of the respective manufacturer between the contractual/regular actions. For example, the following can be examined:

- Wire ropes (e.g. after 450 operating hours)
- Conductor lines at the level of the head crossbar
- Current collectors in the upper section
- Stretcher
- Guide rollers and guide rails (e.g. column head, lift truck)
- Head deflectors on lifters and stacker cranes
- Overhead systems such as hanging garments, conveyor lines, system conveyors, sorters, gantry robots, etc.

### Facility management



Support in the visual inspection of technical installations located in the upper part of the building or roof, such as:

- Sprinkler heads and pipes as well as associated tanks and extinguishing water retention devices
- Skylights and smoke flaps
- Mounting flaps in the roof and wall area
- Lifting equipment for floor jacks, lifts and maintenance stands
- Roof and rain drains
- Damage to the shell/facade of the building
- Solar and photovoltaic systems
- Radio and telecommunications equipment
- Thermographic conditions of buildings
- (heat as well as cold leakage)
- Loading units, gates and loading bridges

# Drone Inspection Services

## Use Cases



### Emergencies / Accidents



In warehousing operations, it can happen that a pallet is not set down correctly, gets jammed in the racking and is in danger of falling. This potentially dangerous situation can first be investigated by **Dematic Drone Inspection Services** before further measures are taken. To minimise the risk of maintenance personnel working alone, the drone can be used especially for work at height or in areas that are difficult to access.

### Shelf inspection



This includes support with all work around the shelf inspection actions according to DIN EN 15635, e.g.:

- Detection of damage to shelf inserts, crossbars, uprights, etc.
- Detection of missing or defective bolted connections, push-through connections, push-through safety devices, excavation safety devices

### Plant optimisation



In the case of frequent malfunctions, our system offers the possibility of analysing specific problem areas, e.g.:

- Congestion situations
- Tote conveyor technology integrated into racking systems
- Logistics processes (to identify optimisation potential)

### Inventory support



- Support with inventory activities in upper shelf areas
- Recording residual quantities on pallets
- Detect, record and document damage and soiling

# Drone Inspection Services

## Contact



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# Drone Inspection Services

## Get-to-know Offer



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Take advantage of our trial offer and let **Dematic Drone Inspection Services** convince you.

**1.250,00 EUR\***

For the one-off inspection of a five-aisle high-bay warehouse.

\* Valid until July 31, 2022

Please contact us for details:  
**cs-sales@dematic.com**