

Leadec meets Starship

# Spare Parts Management with Automated Guided Vehicle Systems



Leadec improves your production: Combining mobile technology and self-driving robots, our innovative service makes it possible to coordinate your spare parts management in a fast, flexible and intelligent way. We know what spare parts to store where, at what frequency and for what purpose. In cooperation with our partner Starship Technologies, our employees supply your premises with autonomous deliveries on demand.

**Everything from a single source.  
Everything with one thing in mind:  
Your added value.**

- **Reliable spare parts supply thanks to optimal warehouse stocks**
- **Timely ordering and availability of spare parts; knowledge of the facilities' failure times and wear and tear cycles**
- **Your employees save transit time by using special autonomous robots**

## Targeted spare parts management

Our spare parts management services relate to production processes. We use state-of-the-art technology and devices for support. If required, your own digital warehouse management system can be used. This makes managing your spare parts store both more efficient and transparent.

### Scope of service:

- Service provision during operation
- Our employees perform full inventory counts
- Assessment of demand by means of stocktaking
- Responsibility for inventory
- Receipt of material in stock and special orders
- Handling of material not in stock
- Storage, removal from storage and shipping of material in stock
- Continuous inventory management

### Innovative service using an autonomous robot – cooperation with our partner Starship Technologies

Together with our partner Starship Technologies, we offer you an extended in-plant spare part delivery service. We ensure reliable production processes and production-related measures. The use of an automated guided vehicle system increases productivity and saves transit time and costs – this holds particularly true for multiple shift operation. The automated vehicles move on defined routes inside and outside the factory buildings. They are suitable for almost any internal transport activity.

They can be tailored to specific needs: supplying production facilities, connecting production and storage areas, receiving area and warehouse, production and shipping area. In the case of increased transport needs, routes may be expanded and the number of vehicles increased.

### We offer you a full service:

- Implementation in the factory, robot commissioning, ensuring the desired availability
- Creation of a map showing the premises and the planned routes
- Safety analyses
- Further development of vehicles
- User training
- Provision and maintenance of an internet interface
- Placement of storage boxes for the robots
- Operation of automated battery changing stations

### About the robot: Technical aspects

We ensure smooth and fast spare part supply for your plant. The robot moves safely inside and outside of buildings.

- Sensor technology with 10 cameras, radar sensors and ultrasonic sensors
- Speed: 6 km/h
- The robot can carry up to 15 kg
- GPS navigation, 3D map
- Sensors for human monitoring and control
- Sensor technology to identify objects and obstacles, intelligent traffic routing



## Leadec

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