



# Transforming Logistics with KINEXON AMR/AGV Fleet Management

Continental's Success with Over  
>**250%** ROI in Autonomous  
Mobile Robot (AMR) Operations



## The Situation

In 3 international Continental factories, the production processes for brake systems encountered challenges tied to **manual transport** using forklifts for **heavy materials**, despite efforts towards **automation**.

Complex **material movement, safety considerations** concerning loads exceeding a ton, and **intricate layouts** posed continuous issues.

## The Challenge

Within Continental's vast global manufacturing footprint, the production of critical automotive components presented two major challenges. First, the imperative to **automate these factories with cutting-edge mobile robots**; second, the need for a **robust fleet management solution** that would seamlessly connect diverse mobile robots and ensure future scalability and expansion.

## The Solution

With KINEXON Fleet Manager, Continental harnessed the power of **centralized control** for their fleet of AMRs in specified use cases. This centralization unlocked an array of capabilities, enabling them to **effectively oversee diverse robot types, allocate tasks** with precision based on AMR positions, and seamlessly integrate a **forklift avoidance system**.



Our tasks are seamlessly completed, and **errors have become a thing of the past.**

The fleet management solution from KINEXON has saved us time and resources and **positively impacted our overall production quality.**

**Prof. Dr.-Ing. Tobias Bornemann**  
Continental AG

## The Benefits

### Improved Flexibility

Minimizing integration efforts due to VDA5050

### Increased Efficiency

Replacement of 8 manually operated forklifts

### Enhanced Productivity

Ensuring of a 24/7 production with 350.000 order executed successfully per year