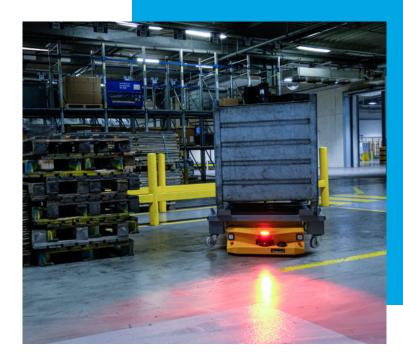
Ontinental

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