

# Fortune 500 Tier 1 automotive supplier achieves ROI in 11 months

## CHALLENGE

Manual transport pulled workers from value-added tasks and reduced delivery reliability.

- Operators had to leave their workstations to move materials across the facility
- Rows of inventory were left on valuable floorspace to maximize production
- Needed lower costs and higher productivity in competitive market
- Tight brownfield facility did not have room for cluttered aisles

## SOLUTION

Deployed 14 OTTO 100 AMRs across multiple phases and workflows within the facility.

- Cart attachments interface with AMRs to autonomously move between zones
- AMRs deliver just-in-time inventory to defined locations on the floor
- Workers call OTTO on demand, reducing buffer sizes and freeing floor space
- Workers remain in their stations and focused on value-added tasks

**11-month ROI and 15% reduction in work cell sizes**

**Redeployed workers to more value-added tasks**

## OTTO AMRs that enable this use case:



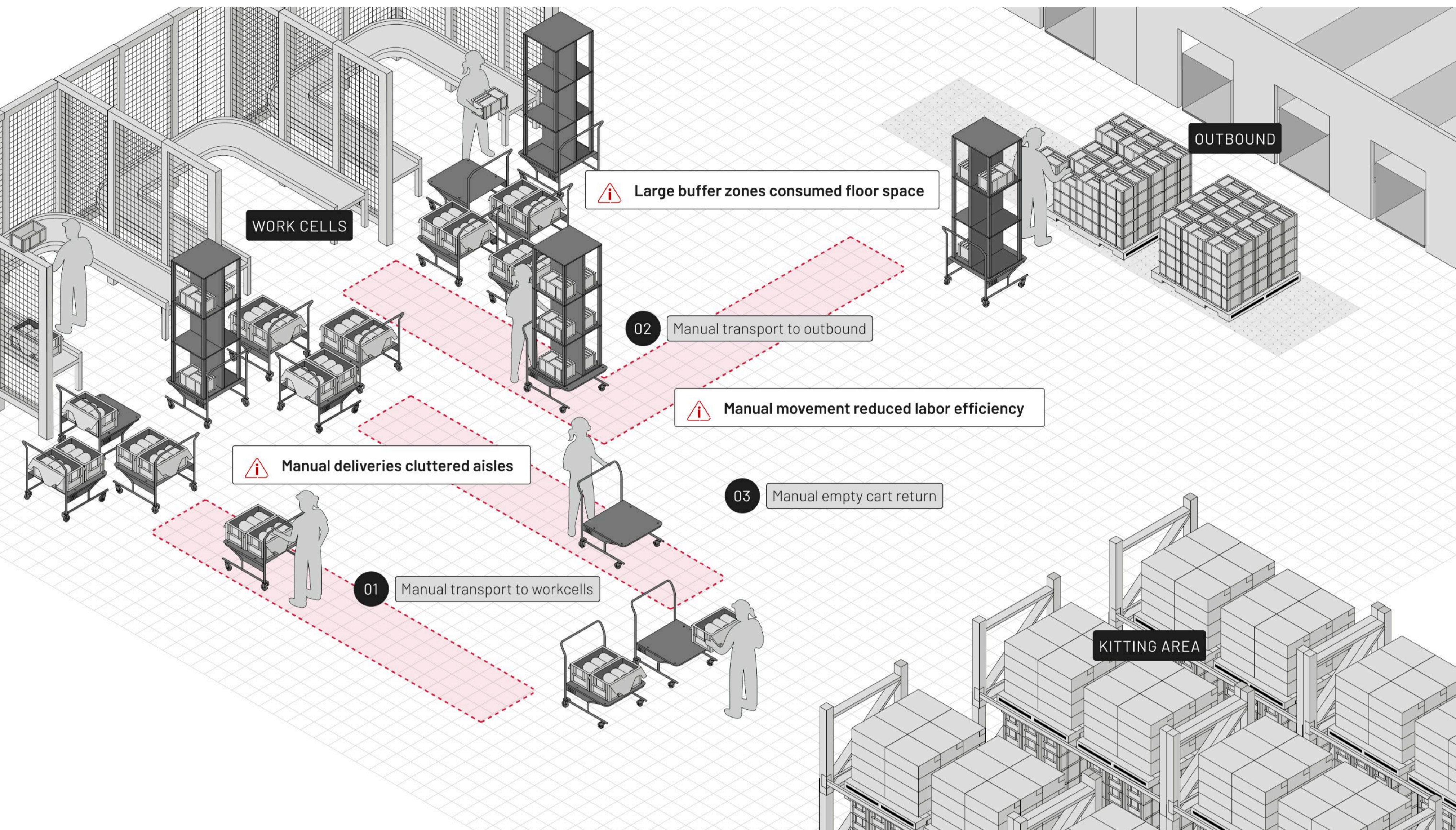
**OTTO 100**



**OTTO 600**

# LEGACY WORKFLOW

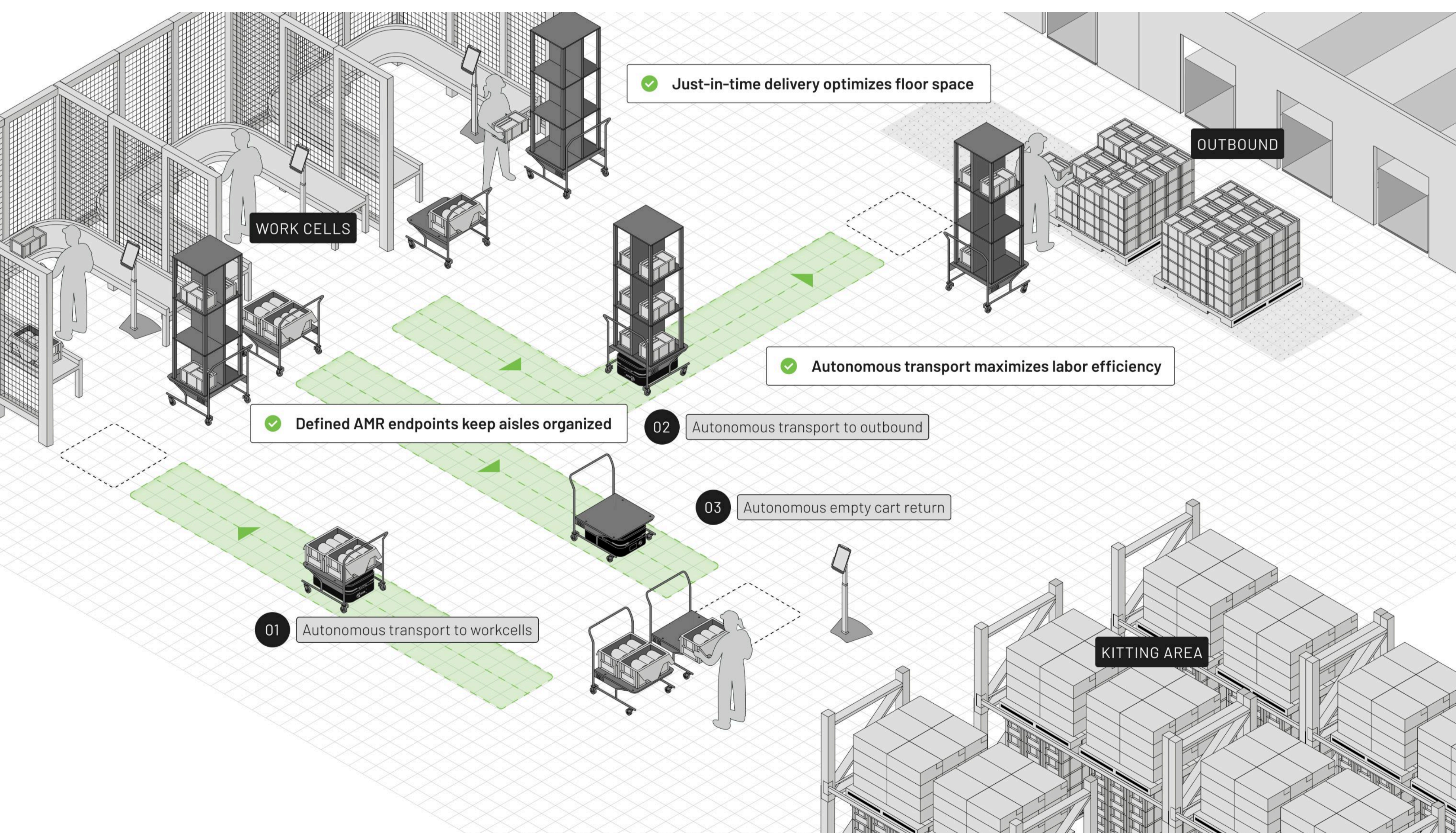
Manual transport consumed valuable labor and floor space.



- Large buffer zones consumed floor space**  
Parts deliveries were left in aisles to ensure continued work cell productivity during breaks, consuming valuable floor space.
- Manual deliveries cluttered aisles**  
Parts deliveries were often dropped off in the middle of aisles or far from operators.
- Manual movement reduced labor efficiency**  
Skilled operators had to leave their work cells to move finished goods across the facility.

# AUTONOMOUS WORKFLOW

AMRs increase labor efficiency, optimize floor space, and improve delivery reliability.



- Just-in-time delivery optimizes floor space**  
AMRs move parts and finished goods between stations, keeping operators focused on value-added tasks.
- Defined AMR endpoints keep aisles organized**  
AMRs have defined pick-up and drop-off locations, decluttering aisles.
- Autonomous transport maximizes labor efficiency**  
Through manual dispatch, AMRs are called to stations when needed, maximizing usable floor space and worker productivity.