# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 39

Average Utilization: 72.9% Throughput Increase: 34.2% Labor Cost Reduction: 28.5%

ROI Period: 2.3 years

## **Warehouse Performance**

Warehouse Location	Capacity Used	Inbound/ Day	Outbound/ Day	Picking Accuracy	Automation Level	n Status
Distribution Chicago, IL Center A	45.6%	1,719	3,678	97.3%	74.4%	Improvemen t Needed
Distribution Dallas, TX Center B	49.6%	2,013	3,166	95.7%	74.7%	Improvemen t Needed
Distribution Atlanta, GA Center C	85.5%	1,424	2,397	96.0%	69.2%	Improvemen t Needed
Distribution Los	87.2%	1,720	2,895	95.4%	85.1%	Optimized
Center D Angeles, Conter E Angeles, Conter E	<sup>4</sup> 98.4%	1,858	2,039	97.2%	61.1%	Improvemen t Needed

# Optimiz ation O pportun ities

Deploy 5 additional AGVs in Warehouse 3 to increase throughput by 20%

- Imple ment voicepicking system to improve accuracy to 99.8%
- Upgra de WMS integration for real-time inventory visibility
- Add au tomated sortation system for small package handling
- Imple ment predictive analytics for demand-based staffing
- Consid er AS/RS system for highvelocity SKUs