# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 33

Average Utilization: 71.6% 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	60.4%	1,151	2,754	97.5%	72.8%	Improvemen t Needed
Distribution Dallas, TX Center B	87.0%	1,201	3,834	96.1%	64.9%	Improvemen t Needed
Distribution Atlanta, GA Center C	45.6%	2,151	3,250	95.8%	61.3%	Improvemen t Needed
Distribution Los	74.5%	2,876	3,727	96.6%	85.6%	Optimized
Genter D Distribution Newark, NJ Center E	<sup>A</sup> 36.1%	2,309	1,950	96.0%	73.3%	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