# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 41

Average Utilization: 76.4% 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	74.2%	2,470	3,374	98.7%	76.3%	Improvemen t Needed
Distribution Dallas, TX Center B	42.5%	1,068	1,561	96.5%	71.9%	Improvemen t Needed
Distribution Atlanta, GA Center C	92.6%	2,232	2,165	96.5%	75.8%	Improvemen t Needed
Distribution Los	87.8%	1,706	2,341	98.6%	82.5%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	<sup>4</sup> 90.7%	1,944	2,366	95.4%	75.4%	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