# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 45

Average Utilization: 72.3% 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	Status
Distribution Chicago, IL Center A	53.7%	1,358	3,432	98.1%	61.9%	Improvemen t Needed
Distribution Dallas, TX Center B	61.5%	1,502	2,032	97.1%	74.2%	Improvemen t Needed
Distribution Atlanta, GA Center C	66.6%	1,242	2,432	95.1%	69.1%	Improvemen t Needed
Distribution Los	78.0%	1,000	1,778	96.8%	85.7%	Optimized
Genter D Angeles, CA Distribution Newark, NJ Center E	<sup>1</sup> 56.4%	1,393	3,606	96.7%	70.5%	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