# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 62

Average Utilization: 70.3% 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	n Status
Distribution Chicago, IL Center A	36.2%	1,946	2,905	95.4%	68.9%	Improvemen t Needed
Distribution Dallas, TX Center B	44.5%	1,003	3,937	98.6%	68.3%	Improvemen t Needed
Distribution Atlanta, GA Center C	46.8%	1,853	1,926	95.1%	61.2%	Improvemen t Needed
Distribution Los	43.5%	2,692	2,834	97.6%	81.7%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	<sup>A</sup> 67.5%	2,528	3,612	96.1%	71.5%	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