# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 58

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 Status Level	
Distribution Chicago, IL Center A	56.4%	2,642	3,751	96.1%	66.8%	Improvemen t Needed
Distribution Dallas, TX Center B	66.0%	2,247	2,127	96.5%	61.1%	Improvemen t Needed
Distribution Atlanta, GA Center C	40.0%	1,884	3,092	95.1%	70.1%	Improvemen t Needed
Distribution Los	59.3%	1,828	2,112	98.5%	94.6%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	<sup>4</sup> 67.4%	2,610	1,667	95.6%	71.7%	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