# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 36

Average Utilization: 74.6% 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	52.8%	2,366	3,758	95.7%	85.6%	Optimized
Center A Distribution Dallas, TX Center B	62.9%	2,252	3,877	96.7%	67.8%	Improvemen t Needed
Distribution Atlanta, GA Center C	62.5%	2,635	3,339	96.5%	67.5%	Improvemen t Needed
Distribution Los Center D Angeles, CA	49.2% A	2,924	1,689	96.0%	72.3%	Improvemen t Needed
Distribution Newark, NJ Center E	61.9%	2,853	3,709	96.5%	79.8%	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