# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 36

Average Utilization: 75.9% 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 Level	Status
Distribution Chicago, IL Center A	58.5%	1,041	1,863	97.7%	71.3%	Improvemen t Needed
Distribution Dallas, TX Center B	50.0%	2,209	2,898	97.3%	76.7%	Improvemen t Needed
Distribution Atlanta, GA Center C	47.7%	2,254	3,249	98.2%	79.0%	Improvemen t Needed
Distribution Los Center D Angeles, CA	93.3% \	1,856	3,167	98.9%	71.8%	Improvemen t Needed
Distribution Newark, NJ Center E	43.0%	2,944	3,422	98.1%	80.6%	Optimized

# 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