# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 33

Average Utilization: 76.4% 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	69.4%	1,406	3,926	98.0%	87.0%	Optimized
Center A Distribution Dallas, TX Center B	85.0%	1,425	1,918	98.4%	71.9%	Improvemen t Needed
Distribution Atlanta, GA Center C	107.7%	2,676	3,148	96.7%	79.2%	Improvemen t Needed
Distribution Los Center D Angeles, CA	57.7% A	2,933	2,135	98.5%	73.4%	Improvemen t Needed
Distribution Newark, NJ Center E	55.4%	1,438	2,530	96.4%	70.4%	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