Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 36

Average Utilization: 75.8% 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	107.4%	1,512	2,613	98.8%	93.5%	Optimized
	Center A Distribution Dallas, TX Center B	104.6%	1,522	3,520	97.1%	72.2%	Improvemen t Needed
	Distribution Atlanta, GA Center C	60.9%	1,041	1,793	95.9%	71.3%	Improvemen t Needed
	Distribution Los Center D Angeles, CA	44.4% \	2,873	1,650	95.9%	73.1%	Improvemen t Needed
	Distribution Newark, NJ Center E	83.8%	1,527	1,789	95.7%	68.7%	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