Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 46

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	67.9%	1,450	1,979	98.7%	83.2%	Optimized
	Center A Distribution Dallas, TX Center B	42.2%	1,530	1,955	98.8%	78.3%	Improvemen t Needed
	Distribution Atlanta, GA Center C	59.1%	1,889	2,385	97.9%	63.2%	Improvemen t Needed
	Distribution Los Center D Angeles, CA	97.9% \	2,083	3,784	97.9%	78.2%	Improvemen t Needed
	Distribution Newark, NJ Center E	57.5%	2,257	1,933	96.5%	61.6%	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