Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 52

Average Utilization: 71.3% 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	
		Chicago, IL	46.5%	1,718	2,892	98.1%	84.2%	Optimized
	ter A ibution ter B	Dallas, TX	96.8%	2,362	1,576	97.7%	67.0%	Improvemen t Needed
	ribution ter C	Atlanta, GA	95.3%	1,906	2,777	99.4%	68.3%	Improvemen t Needed
_	ribution ter D	Los Angeles, CA	75.5% \	1,818	1,607	96.1%	76.0%	Improvemen t Needed
	ribution ter E	Newark, NJ	44.7%	1,441	3,327	97.7%	61.2%	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