Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 63

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 C	Chicago, IL	48.3%	1,482	2,816	97.9%	93.2%	Optimized
Center A Distribution D Center B	Dallas, TX	51.8%	2,500	2,927	95.7%	65.4%	Improvemen t Needed
Distribution A Center C	Atlanta, GA	66.8%	2,283	2,267	96.4%	71.7%	Improvemen t Needed
Distribution L Center D A	.os Angeles, CA	39.5%	2,134	3,831	99.3%	69.4%	Improvemen t Needed
Distribution N Center E	Newark, NJ	44.4%	2,808	3,972	96.9%	64.6%	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