Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 64

Average Utilization: 70.5% 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	58.7%	1,967	2,622	96.1%	85.6%	Optimized
Center A Distribution D Center B	Oallas, TX	34.0%	1,215	2,891	99.1%	72.4%	Improvemen t Needed
Distribution A Center C	tlanta, GA	56.9%	2,015	2,964	96.3%	63.2%	Improvemen t Needed
Distribution L Center D A	.os .ngeles, CA	84.3%	2,152	1,810	95.1%	67.1%	Improvemen t Needed
Distribution N Center E	lewark, NJ	91.5%	2,862	1,818	96.3%	64.1%	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