Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 38

Average Utilization: 73.8% 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 Level	n Status
Distribution Chicago, IL Center A	70.7%	2,279	3,128	98.7%	68.3%	Improvemen t Needed
Distribution Dallas, TX Center B	87.5%	1,995	2,984	97.8%	76.0%	Improvemen t Needed
Distribution Atlanta, GA Center C	64.1%	2,071	2,001	97.5%	71.3%	Improvemen t Needed
Distribution Los Center D Angeles, CA Distribution Newark, NJ Center E	55.2%	2,383	3,769	95.3%	86.0%	Optimized
	^A 53.2%	1,277	2,134	96.9%	67.4%	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