Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 42

Average Utilization: 75.5% 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 Level	n Status
Distribution Chicago, IL Center A	63.9%	2,609	1,957	95.9%	72.5%	Improvemen t Needed
Distribution Dallas, TX Center B	43.0%	1,233	3,227	98.3%	73.6%	Improvemen t Needed
Distribution Atlanta, GA Center C	83.5%	1,587	2,213	98.2%	75.1%	Improvemen t Needed
Distribution Los	63.9%	2,512	2,409	98.6%	86.0%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	⁴ 133.6%	2,653	3,505	97.1%	70.4%	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