Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 65

Average Utilization: 73.3% 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 Level	n Status
Distribution Chicago, IL Center A	38.1%	1,025	2,320	98.3%	71.8%	Improvemen t Needed
Distribution Dallas, TX Center B	104.5%	2,090	3,879	96.2%	60.4%	Improvemen t Needed
Distribution Atlanta, GA Center C	72.4%	1,815	2,227	96.6%	64.5%	Improvemen t Needed
Distribution Los	72.0%	2,007	2,143	95.6%	93.1%	Optimized
Genter D Distribution Newark, NJ Center E	72.8%	1,030	2,003	99.0%	76.5%	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