Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 37

Average Utilization: 73.9% 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 Level	n Status
Distribution Chicago, IL Center A	62.4%	2,932	3,670	99.4%	62.1%	Improvemen t Needed
Distribution Dallas, TX Center B	48.8%	1,106	1,577	96.7%	66.6%	Improvemen t Needed
Distribution Atlanta, GA Center C	107.7%	2,732	3,246	99.2%	77.0%	Improvemen t Needed
Distribution Los	44.3%	1,689	2,850	98.2%	91.2%	Optimized
Genter D Angeles, CA Distribution Newark, NJ Center E	⁴ 55.2%	2,501	2,571	96.6%	72.7%	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