Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 71

Average Utilization: 72.5% 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	36.3%	1,075	3,275	98.2%	70.2%	Improvemen t Needed
Distribution Dallas, TX Center B	80.5%	1,160	1,679	99.4%	63.2%	Improvemen t Needed
Distribution Atlanta, GA Center C	116.5%	2,057	3,733	98.5%	67.2%	Improvemen t Needed
Distribution Los Center D Angeles, CA	75.2% \	1,663	2,512	99.0%	71.5%	Improvemen t Needed
Distribution Newark, NJ Center E	90.5%	2,383	3,064	98.5%	90.4%	Optimized

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