Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 68

Average Utilization: 74.8% 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	nStatus
Distribution Chicago, IL Center A	90.1%	1,572	3,579	97.9%	75.7%	Improvemen t Needed
Distribution Dallas, TX Center B	103.0%	2,923	3,957	96.8%	74.7%	Improvemen t Needed
Distribution Atlanta, GA Center C	48.6%	1,640	2,848	96.5%	68.2%	Improvemen t Needed
Distribution Los	58.5%	1,275	3,436	97.1%	88.3%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	⁴ 78.5%	1,068	3,710	97.2%	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