Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 52

Average Utilization: 70.7% 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	Status
Distribution Chicago, IL Center A	86.5%	2,987	2,193	97.6%	64.9%	Improvemen t Needed
Distribution Dallas, TX Center B	44.6%	1,379	3,963	97.0%	66.3%	Improvemen t Needed
Distribution Atlanta, GA Center C	62.7%	1,219	2,467	97.2%	65.3%	Improvemen t Needed
Distribution Los Center D Angeles, CA	84.0%	1,606	1,847	97.8%	67.6%	Improvemen t Needed
Distribution Newark, NJ Center E	61.2%	2,072	3,993	96.0%	89.3%	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