Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 61

Average Utilization: 73.2% 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	58.8%	2,935	2,287	97.6%	72.2%	Improvemen t Needed
Distribution Dallas, TX Center B	35.0%	2,909	2,053	97.8%	62.7%	Improvemen t Needed
Distribution Atlanta, GA Center C	56.0%	1,001	3,645	98.6%	79.9%	Improvemen t Needed
Distribution Los	87.1%	2,311	3,155	97.3%	82.9%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	⁴ 81.8%	1,324	2,165	95.1%	68.1%	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