Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 18

Average Utilization: 70.6% 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	87.2%	2,231	3,657	98.4%	66.0%	Improvemen t Needed
Distribution Dallas, TX Center B	31.7%	2,774	1,910	97.5%	79.7%	Improvemen t Needed
Distribution Atlanta, GA Center C	97.2%	1,574	2,344	96.4%	60.6%	Improvemen t Needed
Distribution Los	87.6%	1,454	3,906	96.0%	85.7%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	^A 62.1%	2,678	1,581	99.3%	60.8%	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