Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 64

Average Utilization: 77.0% 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	40.6%	2,030	1,701	96.7%	64.7%	Improvemen t Needed
Distribution Dallas, TX Center B	70.4%	1,193	3,448	98.2%	70.2%	Improvemen t Needed
Distribution Atlanta, GA Center C	51.4%	1,158	1,887	97.4%	79.7%	Improvemen t Needed
Distribution Los	93.2%	2,820	2,050	97.4%	92.8%	Optimized
Genter D Angeles, CA Distribution Newark, NJ Center E	⁴ 65.4%	2,884	2,477	98.3%	77.7%	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