Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 63

Average Utilization: 78.6% 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	Status
Distribution Chicago, IL	66.0%	2,497	2,538	96.7%	88.2%	Optimized
Center A Distribution Dallas, TX	84.9%	2,748	3,233	97.8%	85.2%	Optimized
Center B Distribution Atlanta, GA Center C	67.3%	1,699	2,829	98.5%	65.5%	Improvemen t Needed
Distribution Los Center D Angeles, CA	41.2% A	2,755	2,743	96.5%	75.9%	Improvemen t Needed
Distribution Newark, NJ Center E	56.5%	1,058	2,411	97.1%	78.3%	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