Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 45

Average Utilization: 75.0% 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	Status
Distribution Chicago, IL	56.3%	1,876	2,492	97.7%	80.9%	Optimized
Center A Distribution Dallas, TX Center B	50.7%	1,474	3,920	96.2%	63.1%	Improvemen t Needed
Distribution Atlanta, GA	63.1%	1,427	3,939	98.4%	92.4%	Optimized
Center C Distribution Los Center D Angeles, CA	89.1% \	2,460	3,293	97.6%	74.2%	Improvemen t Needed
Distribution Newark, NJ Center E	67.9%	1,284	3,393	96.5%	64.5%	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