Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 45

Average Utilization: 76.8% 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 Center A	57.9%	2,639	3,848	99.2%	66.7%	Improvemen t Needed
,,	74.9%	2,359	3,241	95.0%	86.8%	Optimized
Center B Distribution Atlanta, GA	96.7%	2,883	3,658	97.3%	93.0%	Optimized
Center C Distribution Los Center D Angeles, CA	91.0% A	1,073	2,528	95.6%	74.7%	Improvemen t Needed
Distribution Newark, NJ Center E	71.0%	1,855	3,140	99.0%	62.9%	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