Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 46

Average Utilization: 80.1% 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	73.3%	1,431	3,040	95.7%	77.5%	Improvemen t Needed
Distribution Dallas, TX Center B	79.8%	1,237	3,739	95.6%	69.7%	Improvemen t Needed
Distribution Atlanta, GA	113.5%	1,991	3,799	99.1%	86.0%	Optimized
Center C Distribution Los	83.9%	1,455	3,465	99.1%	88.2%	Optimized
Genter D Angeles, CA Distribution Newark, NJ Center E	⁴ 73.1%	1,254	1,589	96.9%	79.4%	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