



Liftians Inc.  
Material Handling Solutions

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# Company Case Study

Significantly enhancing the client's warehouse operations with Liftians AMRs

Turning Warehouses



Into Powerhouses





## Case Study

# Enhancing Client's Warehouse Operations with Liftians AMRs

## INTRODUCTION

The client – a leading provider of premium pet food and products – faced significant challenges in its warehouse operations. To address these challenges, they partnered with Liftians to implement AMRs to enhance efficiency, accuracy, and overall productivity. This case study explores the implementation process, benefits achieved, and overall impact of Liftians AMRs on the client's warehouse operations.

## BACKGROUND

The client operates multiple distribution centers to supply its network of retail stores and e-commerce customers. As demand grew, the company experienced:

- » Bottlenecks in order fulfillment
- » High labor costs & labor shortages
- » Increased error rates in order picking
- » Difficulty scaling during peak periods

## OBJECTIVES

The primary objectives of implementing Liftians AMRs were:

- 1 Boost Operational Efficiency:** Streamline material handling processes to meet growing demand.
- 2 Reduce Labor Costs:** Decrease reliance on manual labor and associated costs.
- 3 Improve Order Accuracy:** Minimize errors in order fulfillment to enhance customer satisfaction.
- 4 Boost Scalability:** Enable the warehouse to handle fluctuations in demand seamlessly.

## AT A GLANCE

### Challenges

- Bottlenecks in order fulfillment
- High labor costs
- Error rates in order picking
- Difficulty with scaling

### Objectives

- Increase operational efficiency
- Reduce labor costs
- Improve order accuracy
- Boost Scalability



Liftians system is easily expandable and highly flexible. You can scale up or down on-demand. The efficiency is off the charts; it's not often you see a goods-to-person system give you 5-6x the efficiency of a manual picking system right after deployment. Our pickers averaged 100 lines per hour with a manual system and Liftians system boosted that to 300-400 lines per hour.

**Client C.T.O.**  
Hollywood Feed Inc.



# Case Study

## IMPLEMENTATION PROCESS

- 1 Consultation and Assessment**
  - Conducted a thorough analysis of Hollywood Feed's existing warehouse operations.
  - Identified key areas for improvement and developed a tailored integration strategy.
- 2 Design and Customization**
  - Designed custom AMR solutions to fit client's specific warehouse layout and workflows.
  - Integrated AMRs with client's Warehouse Management System for seamless operation.
- 3 Installation and Training**
  - Installed AMRs with minimal disruption to ongoing operations.
  - Provided comprehensive training for warehouse staff to ensure effective use of AMRs.
- 4 Ongoing Support and Optimization**
  - Liftians provided continuous monitoring and support.
  - Regular updates and enhancements were implemented to keep the system at peak performance.

## RESULTS



### Operational Efficiency

- AMRs significantly reduced picking times.
- Streamlined material flow, leading to faster order processing.
- Significantly reduced amount of forklift touches from 3-4 to 1.
  - Reduced damaged and punctured goods by 90%.



### Labor Cost Reduction

- Reduced the need for manual labor by automating repetitive tasks.
  - Labor costs reduced by 70%.
- Reallocated labor to more strategic roles within the warehouse.



### Order Accuracy

- AMRs improved order accuracy, reducing errors and returns.
  - Order accuracy increased to 99.99%.
- Enhanced customer satisfaction due to reliable and timely deliveries.



### Scalability

- The modular AMR system allowed client to scale operations effortlessly.
- Successfully managed peak periods without additional temporary labor.



### Overall Productivity

- Significant increase in overall warehouse productivity and throughput.
  - Throughput increased by 250%.
- Improved ability to meet growing customer demand efficiently.



## Case Study

### BENEFITS



**2.5x Increased**  
Throughput



**70% Reduced**  
Labor Cost



**90% Reduced**  
Damage Rate



**99.99%**  
Order Accuracy



**400% Increase**  
Pick Capacity



**2.5x Workers**  
Replaced



**20% Increase**  
Storage Density



**30% Increase**  
Revenue

### CONCLUSION

The implementation of Liftians AMRs at the client's warehouse has been a resounding success. By automating key processes, the client has achieved significant improvements in efficiency, labor cost reduction, order accuracy, and scalability. Liftians' system has enabled the client to quadruple their pick rate while reducing labor costs by 70%. This partnership has strategically positioned the client to meet future growth and customer demands effectively.

### CONTACT INFORMATION

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