

PEAKLOGIX

AN ALTA MATERIAL HANDLING COMPANY

REDUCING COSTS AND INCREASING EFFICIENCIES

Automation of industrial dry cleaning services to improve inventory control and create greater operational efficiencies.



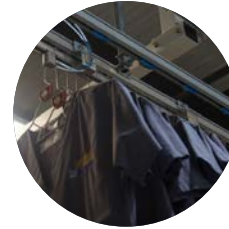
CUSTOM SOLUTION BY PEAKLOGIX RESULTED IN
20% REDUCTION IN TIME TO FULFILL

CASE STUDY: INCREASE EFFICIENCY + REDUCE COSTS

Automated Laundry Service, an Industry First

The Challenge

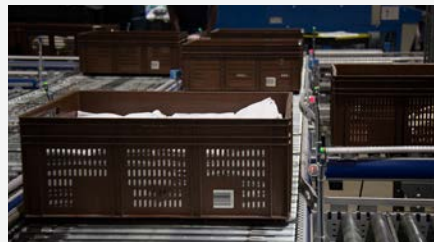
The client fulfills nearly 8 million pounds of linens and apparel annually. When the company moved into a new fulfillment center, three key goals were outlined to advance its business performance: improve inventory tracking and control, create greater operational efficiencies, and increase the utilization of floor space.



This client specializes in linens and apparel for the healthcare and hospitality industries.

The Solution

We designed and implemented an automated goods-to-man picking process, effectively moving clean, folded linens to storage and then to transportation as needed. This state-of-the-art operational system centers on a warehouse management system (WMS) and radio-frequency identification (RFID) technology and pairs custom conveyor equipment and vertical storage to increase operational efficiencies.



Key Results

We were able to help our client expand storage; increase productivity; reduce errors, labor costs and fulfillment time; and improve workforce scalability and employee safety.

13%
GROWTH
with no impact
to operations

3-4
YEAR
payback on
investment

20%
REDUCTION
in time to
fulfill

WORKING WITH PEAKLOGIX:

“This facility was set up to be the most efficient plant ever built. It’s the most dream-like plant you’ll ever see in the laundry industry.”

- Facility Manager

Innovation in Action

The technologically advanced operations design reduces the space needed for fulfillment, increases the space for storage, and allows flexibility to grow without expanding the facility’s footprint.

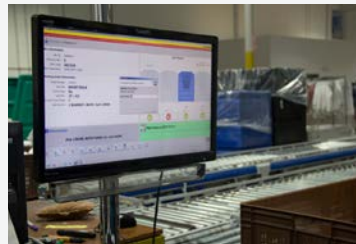


Photo eyes + traffic control logic

Helps avoid collision with other stacks during fulfillment



Technology integration

Interfaces with warehouse/inventory management systems



24" accumulation zones

Queues linen stacks to feed induction station



RFID technology

Scans and places linens in appropriate storage totes



Weight + height check

Ensures max load and space capacities are not exceeded

Integration Insights

With up to 27,000 pieces of linen shipped daily, even small errors can significantly impact operations.

IMPROVED INVENTORY

- ▶ Reduction in human error
- ▶ Higher inventory accuracy resulting in ~95% reduction in emergency orders/emergency deliveries

Inventory accuracy is vital to financial projections when managing nearly 700 customers annually.

INCREASED PROFITABILITY

- ▶ Greater accuracy of inventory, resulting in precise and increased billings
- ▶ Reduced labor costs and greater ability to scale workforce cost effectively
- ▶ Less inventory breakage and shortage

To allow for additional storage without increasing the footprint, we implemented vertical storage.

GREATER EFFICIENCY

- ▶ Design increases storage space using smaller footprint and vertical storage
- ▶ Allows for growth without interruption to operations
- ▶ Safer work environment through less touch points and limited work zones