

Retrofit High Bay Racks

Use case 1

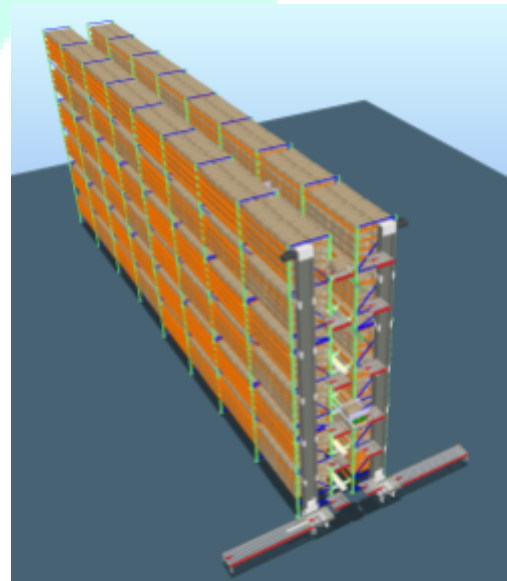
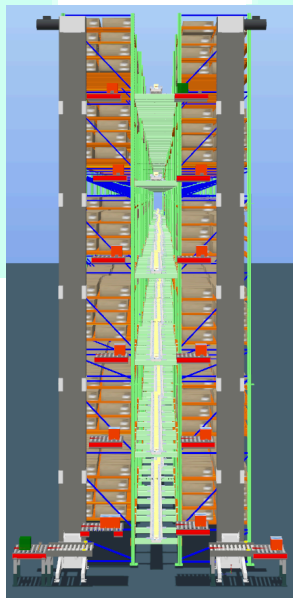
Industry

B2B Fulfillment Manufacturer : Specializing in apparel and accessory products.

Business Challenge

High bay case picking operation where legacy crane technology no longer works and is obsolete. Unusable space consisting of 5 aisles, 150 bays, 23 levels high.. Other robotic technologies required rip and replace solutions at \$18M+.

The Solution



Solution Differentiators

- Carte+ retrofits into existing racking structure

- No additional permits required to integrate solution
- Carte+ software rolls into customer WES, which controls all automation within the DC.

Ceiling Height	42'
Number of totes	11000
Number of Robots	6
Cases Per Hour	250
Footprint	3250 square feet
Number of Operators	1/ shift
Process Automated	On-demand case retrieval from storage
Integration	Tote requests from WES

Business Impact

Access to additional storage for 11,000 SKUs from previously inaccessible shelving. Projected ROI < 3 years

Use case 2

3PL picking automation in DC

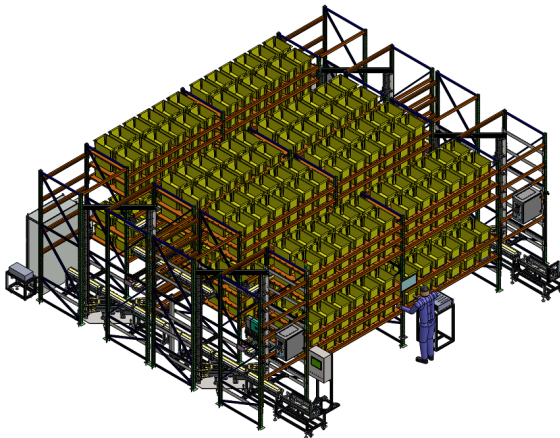
Industry

3PL Multi-Tenant : Ecommerce Picking

Business Challenge

Finding automation for their pick process with minimal disruption; using a retrofit technology that can easily scale as business grows. A solution that is highly flexible with the ability to simultaneously manage order and batch picking, while aggregating volumes and SKUs across multiple tenants (at least 4) with 3-5 days of IOH.

The Solution



Solution Differentiators

- Multi-tenant solution, ability to change process based on tenant/ order profile
- Retrofit into existing racking structure, no floor prep required
- Peak Flex - Upscale/ downscale picking walls based on order volumes
- Capability to relocate solution if needed (Within same site/Multi-site)

Ceiling Height	42'
Number of totes	600, including partitioned totes (4 sections)
Number of robots	10
Units Per Hour	6000 picks per shift
Footprint	750 square feet
Number of Operators	2/shift, capable to scale up/down for peaks
Process Automated	Order and Batch Picking
Integration	Order batch/ streaming from WMS

Business Impact

5x-7x faster picking Productivity, 57% reduction in manual picking labor. Projected ROI ~ 2.5 years.