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The Rise of the Urban DC – How Best Buy is Transforming Its Supply Chain

Presented by:

Bastian Solutions







Objectives

- 1. Modernizing the Supply Chain
- 2. Analyzing the Right Data
- 3. Selecting the Best Technology











The Perfect Storm of Re-Pack & E-Commerce









60%

Units shipped are re-pack

80% of

SKUs Eligible for Repack Explosion
In
E-Commerce

"Just in Time" Inventory



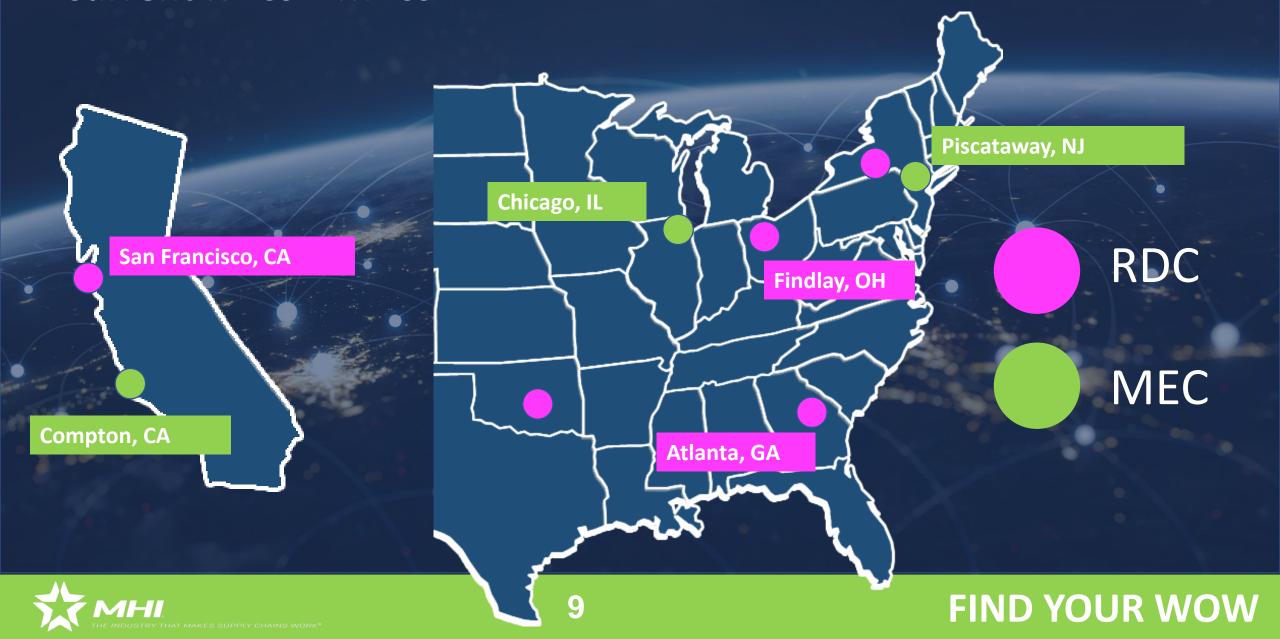








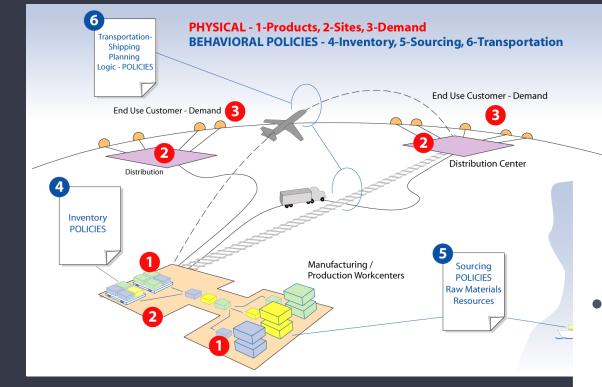
Current RDCs + MECs







Network Modeling/Supply Chain Optimization







Channel Differentiation:

SuppliesConsumablesControlled/BioBasicsPartsEquippage

Sched II and III
 Launch
 Experimental/Sched I

Basics (Fast and Slow)
 Vital Stock (99.7%)

Temp (DF, F, C, Ch, Cl)
 Emergency/Disaster







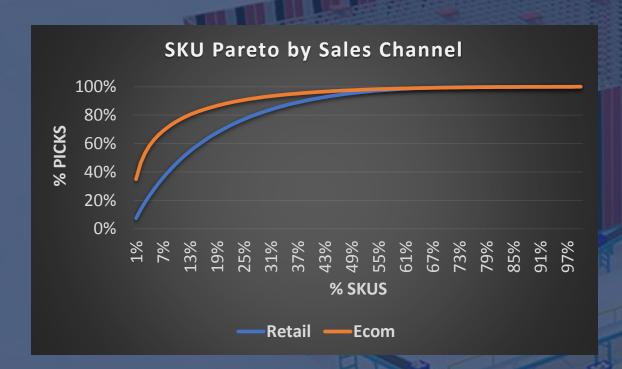


Sales Channel Characteristics

Metric	Retail	E-Commerce
Units/Line	3.1	1.1
Lines/Order	160	1.65
Active SKUs/Day	6,400	1,640
Avg Lines/Day	53,500	5,000
Avg Units/Day	165,000	5,500

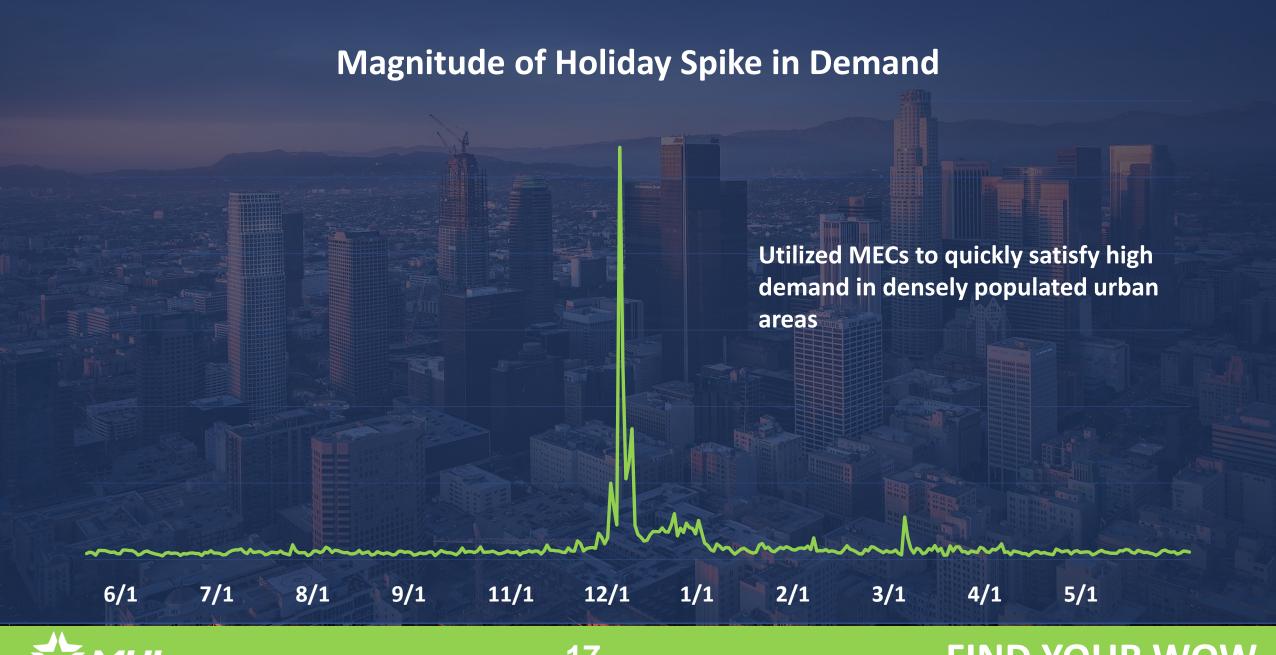


SKU Pareto by Sales Channel



% SKUs	# SKUs	% Retail Picks	% E-Com Picks
1%	162	7%	35%
2%	324	13%	46%
5%	812	28%	63%
10%	1,624	46%	75%
20%	3,248	69%	87%
50%	8,120	96%	98%
75%	12,180	100%	100%





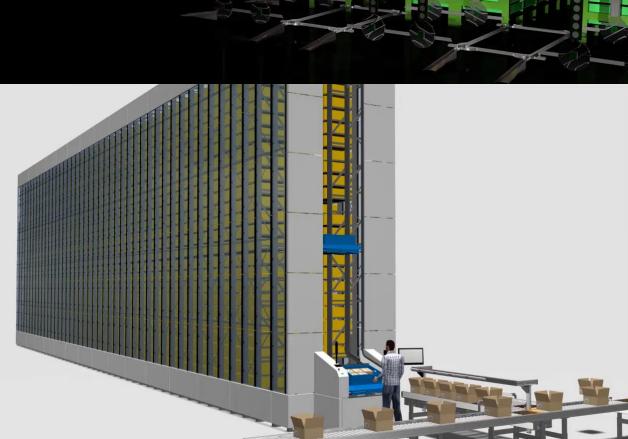














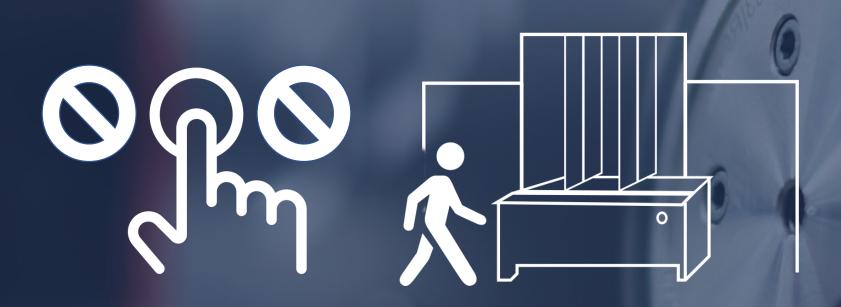
Throughput Comparison











Reduce

Touchpoints

Ability to Batch

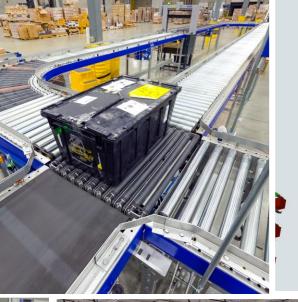
From GTP Port

1 AS/RS for

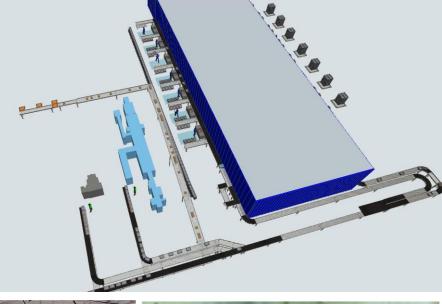
Both Sites



















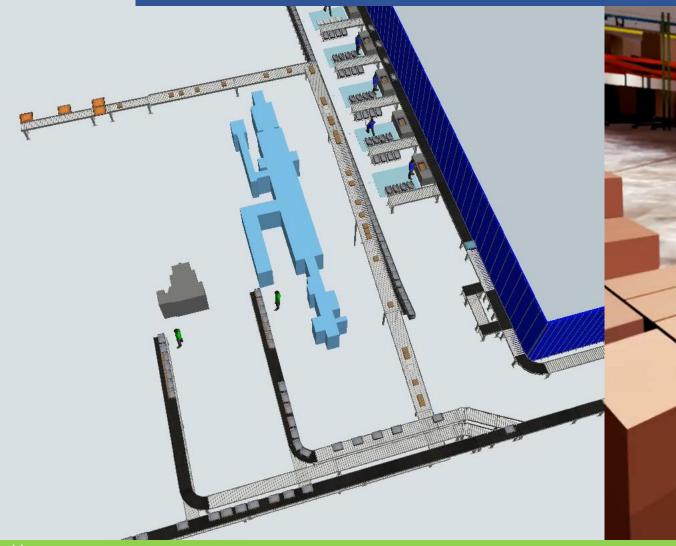
150,000 bins 195 robots







Computer Simulations Modeling







Process for Achieving New Supply Chain Initiatives







