BALYO: The Next Generation AGVs

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Sponsored by:

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What’s at stake?

72% of MHE Cost at stake (*)

(*) uses typical warehousing structure
What is in the Next Generation?

- Full forklift functionality
- Speed and ease of implementation
- Flexibility
- Compelling Economics
Full Functionality

• A Next Generation AGV can:
  – Pick-up and drop pallets automatically
  – Move where necessary, efficiently
  – Offer flexibility in allocation of AGV capacity

• Work in stand-alone mode: “let me find work”

• Integrate with WMS
  – Read pallet license plate
  – Provide full pallet traceability
  – Support interleaving
Ease of Implementation

• No changes to the environment
  – No reflectors, wires, tape, etc.
• Plain forklift base
• Variable fleet capacity from 1 to many AGVs
• Co-exist with teammates
Flexibility

• Adapt to existing environment
• Work in stand-alone or integrate with WMS
• Integrate
  – PLCs, WCS
  – Fire doors, etc.
• Granular
  – Progressive rollout
Compelling Economics

• Low entry cost
• Granular
  – Progressive rollout
• Fast return on investment
  – 12-18 months
  – Permanent cost reduction
Case Study

- 1.4MM sq. ft. D.C.
- 110 pieces of equipment
- 9 Yale End-Rider Pallet Jacks
- 2-months on-site rollout
- Client (major 3PL)
- Targeted ROI: less than 1 year

- Phase 1: standalone
- Phase 2: WMS integration
- Phase 3: going vertical…
For More Information:

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