ENABLING THE SMART WAREHOUSE: WAREHOUSING 2020

Zebra’s Warehouse Vision Survey revealed transformational changes in North America for asset visibility, warehouse productivity and supply chain integration.

PICKING & FULFILLMENT

KEY CONCERNS

- Productivity: 50%
- Order accuracy: 47%

WAREHOUSE MANAGEMENT SYSTEMS (WMS)

- Moving to full-featured, best-of-breed WMS: 54% in 2015, 83% in 2020
- Implementing RTLS: 63% in 2015, 77% in 2020

KEY DRIVERS FOR CHANGE

- Lower transportation costs: 37% in 2015, 36% in 2020
- Faster delivery times

CYCLE COUNTING

- Motivating factors:
  - Reduce out-of-stocks: 58%
  - Enhance customer service: 54%
  - WMS accuracy: 49%

MORE WAREHOUSES AND GREATER EXPANSION

- Increasing number of warehouses and DCs: 44% in 2015, 87% in 2020
- Increasing number of space expansions: 62% in 2015, 71% in 2020

AUTOMATION TREND CONTINUES

- From pen & paper: 91% in 2015, 37% in 2020
- To mobile handheld computers & tablets (real-time access to WMS): 53% in 2015, 90% in 2020

VOICE PICKING INCREASING

- Screen only: 39% in 2015, Voice only: 10% in 2015, Voice and screen: 51% in 2015

TOP 5 TECHNOLOGY EXPANSION PLANS

- Equipping staff with technology: 76%
- Barcode scanning: 67%
- Tablet computers: 66%
- Big data/analytics: 61%
- Warehouse/truck loading automation: 56%
- Internet of Things (IoT): 52%