STONERIDGE CONNECT 2017 Client Conference

Making Sense of Your Options in Warehouse Management



About the Speaker

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Microsoft: 16 years Total Industry Experience: 19 years

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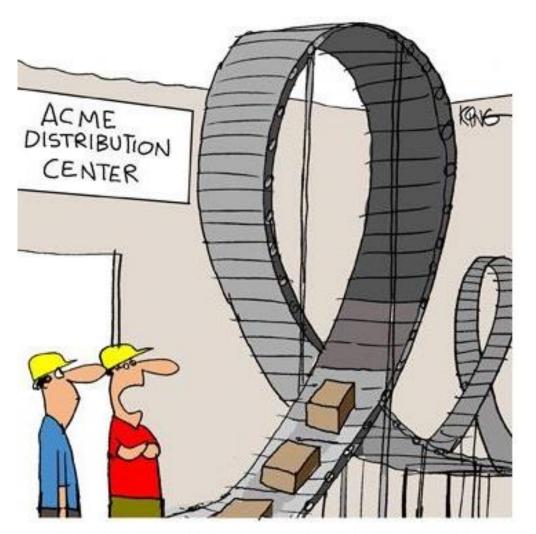
Session Summary

Timeline

WMS and WHS Features

Guidelines for Basic vs Advanced Approach





"It was someone from corporate's idea to improve our inventory turns."

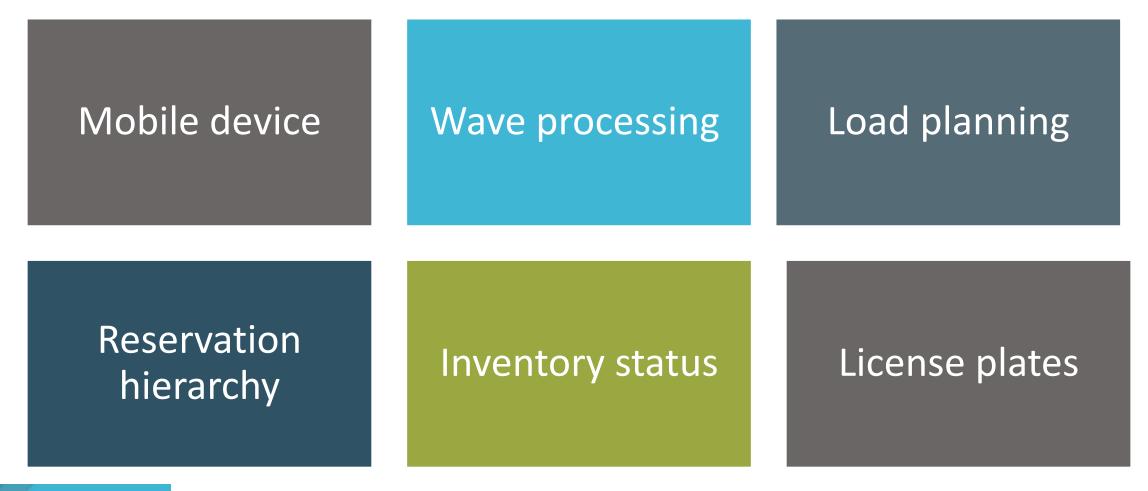


Dynamics AX Release History and Warehouse Management





AX 2012 R3 Advanced Warehouse Management Features



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AX 2012 R3 Advanced Warehouse Management Features

Flexible work creation Manual packing

Cycle counting

Transportation management



AX 2012 R3 - WHS Enhancements

Cumulative Update 8

- 5 Enhancements
- Batch jobs, fulfillment rate, product variants

Cumulative Update 9

- 10 Enhancements
- Work list, Put away location directive strategies, FEFO batch improvements

Cumulative Update 10

- 26 Enhancements
- Performance, split/skip put away, cancel put away, work header maximums

AX 2012 R3 - WHS Enhancements

Cumulative Update 11

- 15 Enhancements
- Multi-threading on wave execution, receive mixed source document lines

Cumulative Update 12

- 11 Enhancements
- Reverse ship confirmation, license plate merge, work creation policies for FG put away and raw material picking



Dynamics 365 for Operations – Warehousing Enhancements

AX 7.0 RTW

- 1 Enhancement
- Download a stand-alone WMDP installer

Version 1611

- 13 Enhancements
- Consignment, packing work and container grouping, short-pick reallocation

Version 7.0.1

- 2 Enhancements
- Performance, split/skip put away, cancel put away, work

What's New in Dynamics 365 for Operations – Warehousing – Mobile

- New connection model. No need for intermediate WMDP server.
 - Enables modern devices
- Touch-friendly UI adapted for gloves
- App for Windows 10 or Android
 - Simplified and Responsive UI
 - Dynamic scaling
 - Designed for rough environments







• Current task

displayedTouch-friendlyNo scrolling



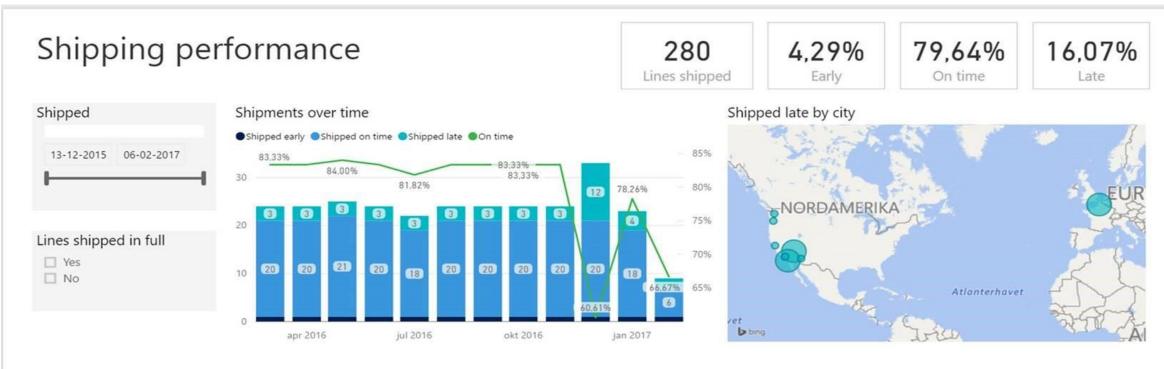
What's New in Dynamics 365 for Operations – Warehousing - Power Bl

Outbound performance

Inbound performance

Inventory accuracy





Shipped by product

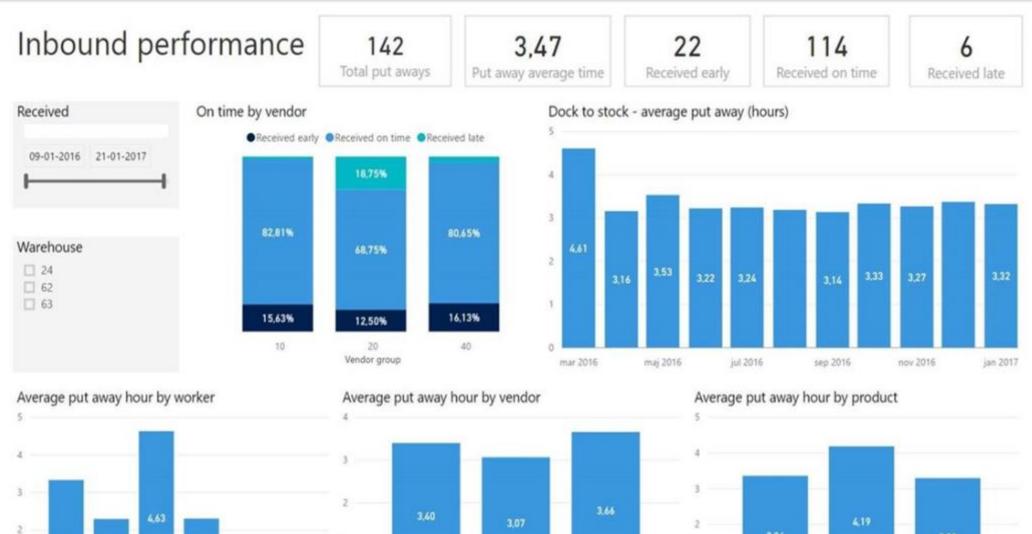


Shipped by customer



Shipped by site / warehouse



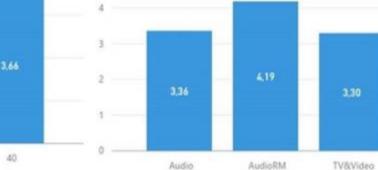


Vendor group

3.33

Jon

0 -



Item group

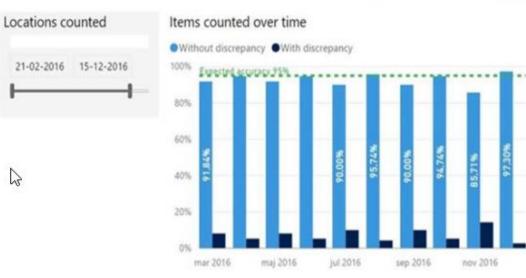
Location inventory accuracy





756 Count without discrepancy

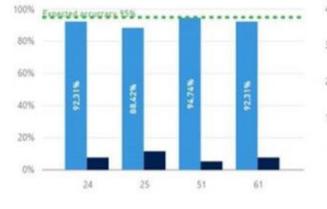




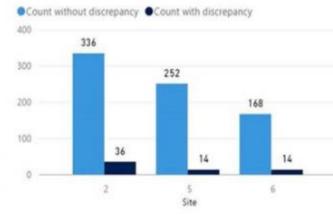
Item quantity discrepancy greater than 5%

Item number	Location id	Average	Total count	Discrepancy	Average quantity	Expected quantity	Counted quan 🔻
A0002	BULK-001	20,00 %	140	14	4	1.540.00	1,484,00
M9215	STAGE01	25.00 %	98	14	5	1.120.00	1.050.00
A0001	FL-001	45.00 %	98	14	9	1.120.00	994.00
M9212	STAGE01	15,00 %	8	8	3	160.00	136.00

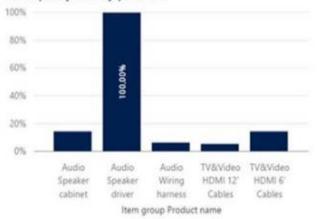
Item count by worker • Without discrepancy • With discrepancy



Item count by site / warehouse



Discrepancy rate by product



Demo



Basic vs Advanced Capabilities

Capability	WMSI (Basic)	WMSII	WHS (Advanced)
Integrated bar code scanning	No - ISV solution	No - ISV solution	Yes – App or device with browser
License plates	No	Yes - Pallet IDs	Yes
Advanced transportation requirements	No	No	Yes-Load planning workbench
On-hand calculation per location	Yes – after posting (paper driven)		Yes – Real time, mobile device driven
Multiple item locations per item	No		Yes
Stocking limit	Yes (Min Max Coverage)	Yes - (Max. pallets)	Yes (Location stocking limits or volumetrics)
Zones	No	Yes-Store zones, Store areas	Yes
Location directives	No	Yes-Warehouse items (Picking location, refill requirements)	Yes-Flexible rules for pick from-put to
Work templates	No	Yes-Shipment templates, Outbound rules	Yes-Used to create work; pick/put pairs, work breaks
Reservation strategies	No-always all dimensions	No-always all dimensions	Yes-Site, warehouse, inventory status, license plate, batch, serial number

Capabilities - Outbound

Outbound	WMSI	WHS
System directed replenishment, pick, movement	No (only one pick location)	Yes (Location, pick face, forward pick locator)
Replenishment	No – Not complete	Yes - Min Max – batch job Yes - Wave demand
Counting	Paper registration Journal posting	Yes – Mobile Spot counting Yes – Mobile Threshold cycle counting
Cycle Counting	Yes	Cycle count plans
Inventory Status	No	Yes - Configurable with blocking
Task tracking	No	Yes – Warehouse worker is User location Work list pages

Capabilities - Outbound

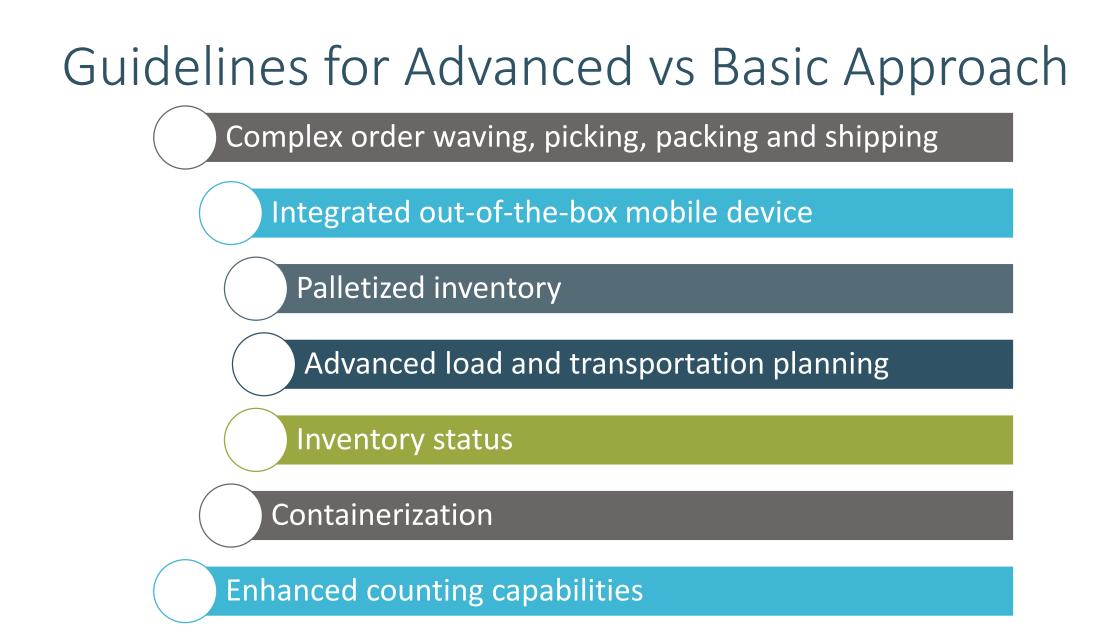
Outbound	WMSI	WHS
Cross-docking	Yes – incomplete	Yes
Task interleaving	No	 Pick when a shortage: create pick work – demand replenish work – resume pick work Change equipment: Put pallet in "Pick and drop" location at end of each aisle - pass the work to a forklift who completes the put-away; reverse for pick to replenishment Pick - short-pick - spot count – adjust out- put-away Pick – threshold driven count – put-away Group tasks – using work group (e.g.10 pick-puts; when grouped becomes 10 picks one put)



Capabilities - Inbound

Inbound	WMSI	WHS
Item arrival journal	Yes	No
Receive – Put away	Journal posting driven	Mobile – PO receiving Mobile – License Plate receiving Mobile - Load receiving 1-step and 2-step put away







Resources

Stoneridge Software Blog

Introduction to Dynamics 365 for Operations

Dynamics 365 Help Wiki

Introducing the new Warehouse Management and Transportation Management modules in Dynamics AX 2012 R3

Supply Chain Management in Dynamics AX

Dynamics AX Manufacturing R&D Blog

Vanya Kashperuk's Blog

OrganicAX - Lachlan Cash



Questions?

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