

The logo graphic consists of two overlapping chevron-like shapes. The top shape is a dark brown line forming an upward-pointing chevron. The bottom shape is a white line forming a downward-pointing chevron, creating a central negative space.

# STONERIDGE CONNECT

2018 Client Conference



WHAT'S NEW IN WAREHOUSE MANAGEMENT

# About the Speakers



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# What's New in Warehouse Management

Warehouse  
Basics

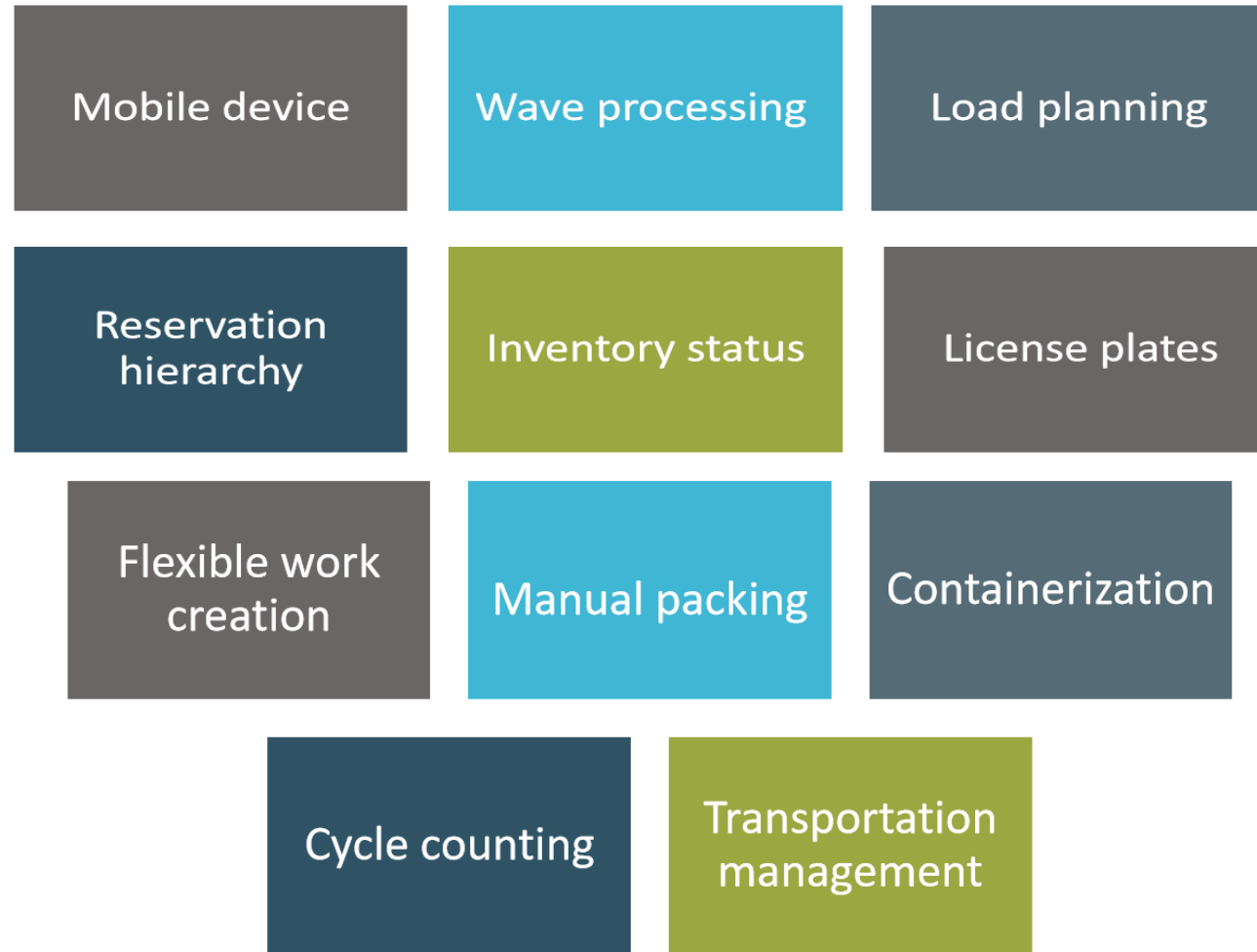
New Features

Warehousing  
Power BI  
Reports

Mobile App

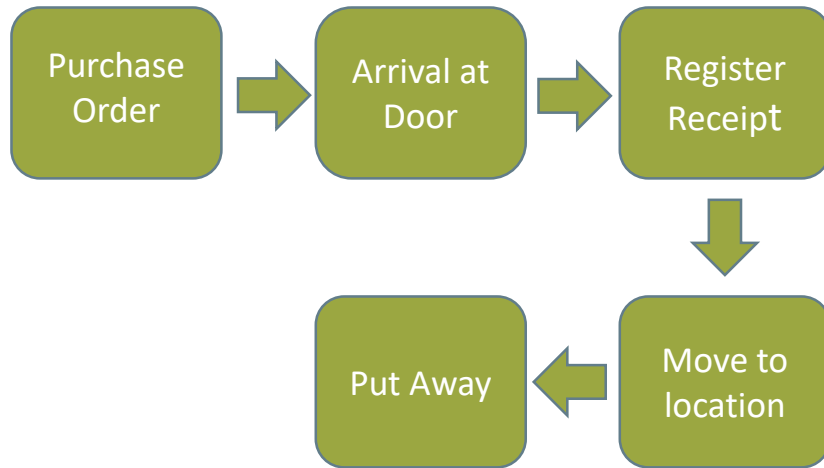
Production

# Advanced Warehouse Management Features

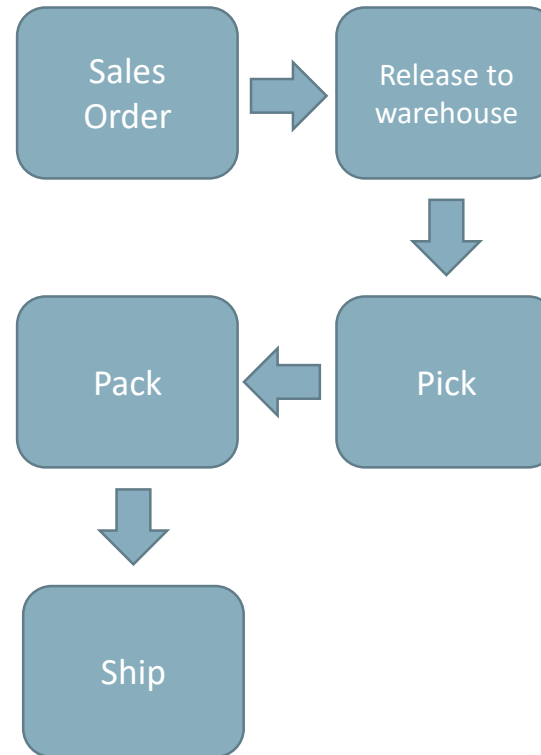


# Warehouse Management Basics

## Inbound Process Flow



## Outbound Process Flow



## Inventory Management



# Dynamics 365 New Features

# What's New in Warehouse Management

## Mobile App

- Scan bar codes using a camera
- System grouping on an open work list

## Outbound shipments

- Partial shipment of load
- Immediate replenishment of locations
- Fulfillment policy added to full or partial batch release of transfer orders
- Tare weight used in containerization is included in the load's gross weight
- Batch and license plate confirmation

## Production

- Partial release of materials and release materials per production operation
- Demand replenishment for raw material picking
- Enable ability to assign a resource instead of resource group at output location
- Flushing principle Available at location
- Warehousing Embedded Power BI reports
- Optimization Advisor

# Warehousing Power BI Reports - Embedded



# Shipping performance

280  
Lines shipped

4,29%  
Early

79,64%  
On time

16,07%  
Late

## Shipped

13-12-2015 06-02-2017

## Lines shipped in full

- ☐ Yes
- ☐ No

## Shipments over time



## Shipped late by city



## Shipped by product



## Shipped by customer



## Shipped by site / warehouse



Shipping performance

Inbound performance

Location inventory accuracy

# Inbound performance

142

Total put aways

3,47

Put away average time

22

Received early

114

Received on time

6

Received late

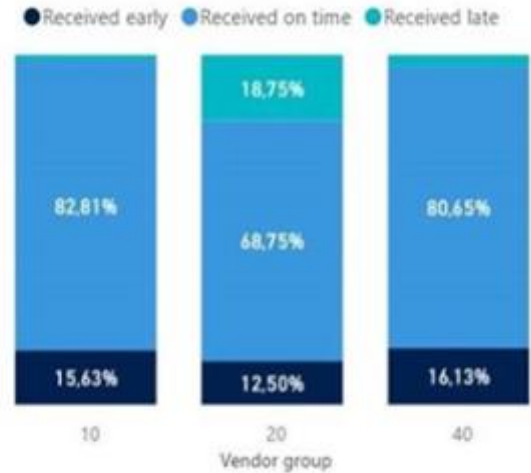
## Received

09-01-2016 21-01-2017

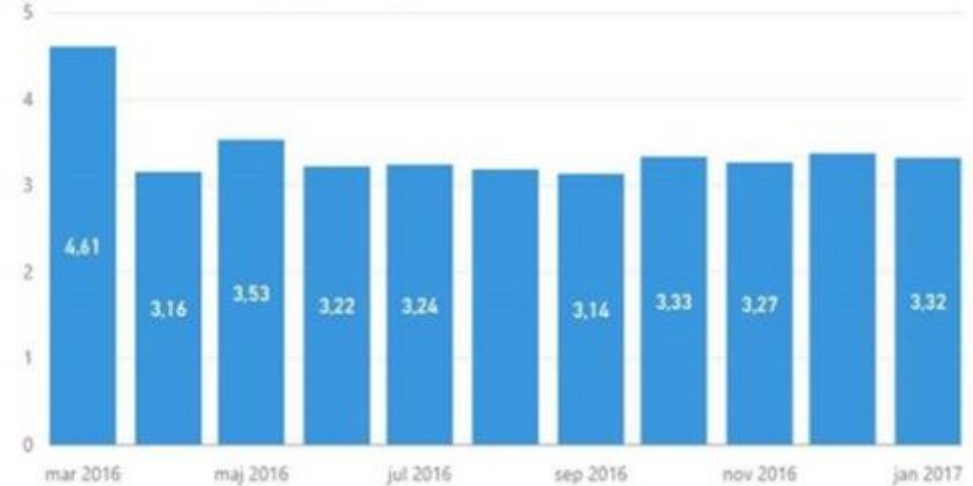
## Warehouse

- ☐ 24
- ☐ 62
- ☐ 63

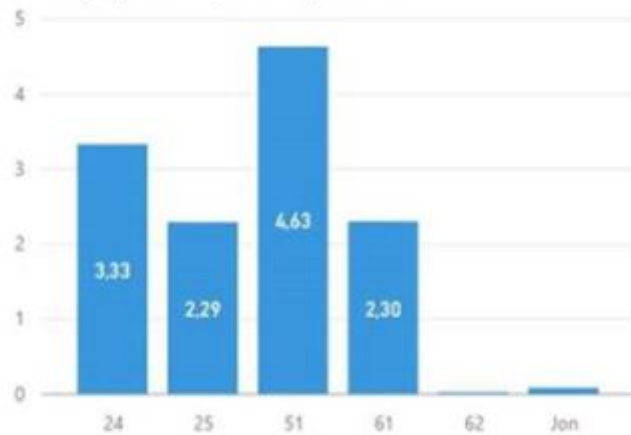
## On time by vendor



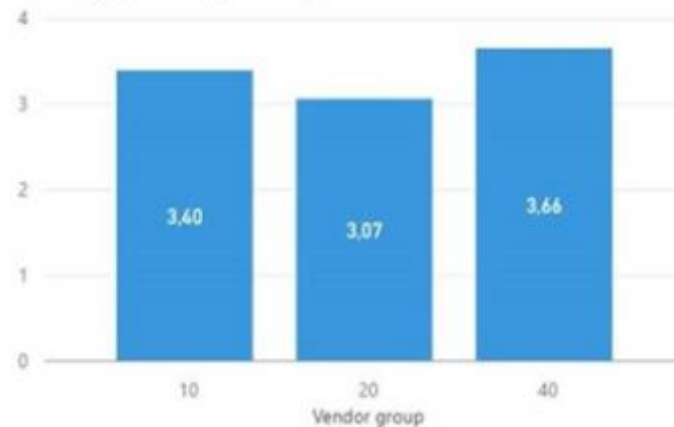
## Dock to stock - average put away (hours)



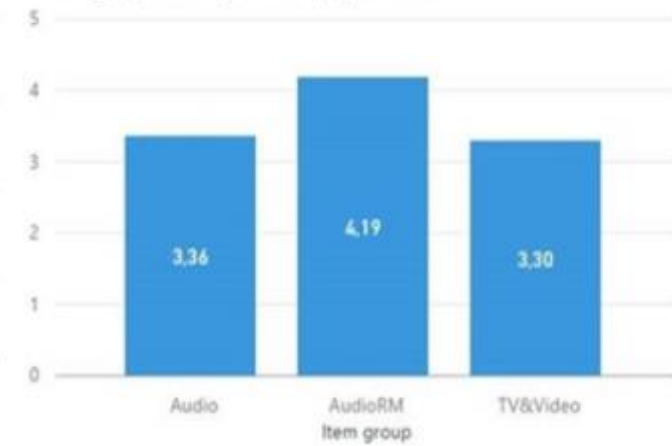
## Average put away hour by worker



## Average put away hour by vendor



## Average put away hour by product



# Location inventory accuracy

820

Total count

7,80%

Discrepancy rate

756

Count without discrepancy

64

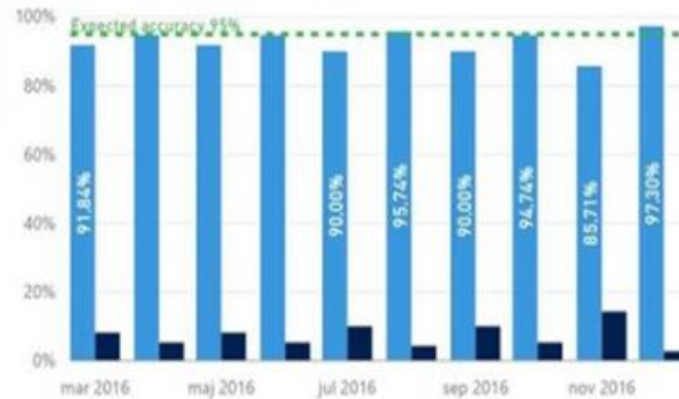
Count with discrepancy

## Locations counted

21-02-2016 15-12-2016

## Items counted over time

Without discrepancy With discrepancy

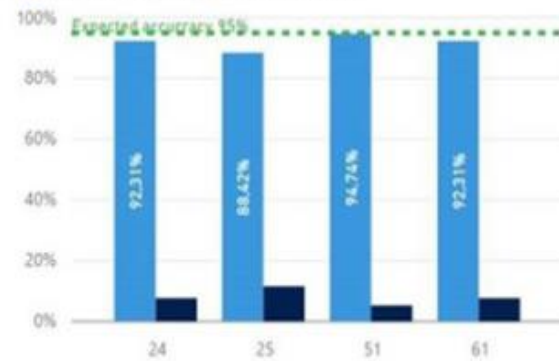


## Item quantity discrepancy greater than 5%

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

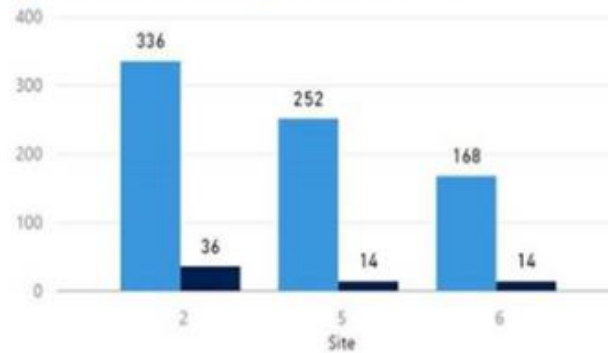
## Item count by worker

Without discrepancy With discrepancy

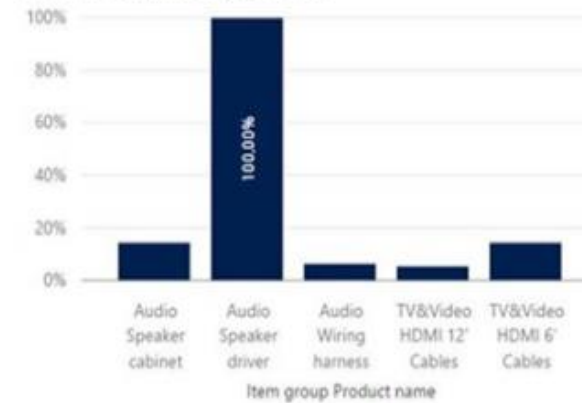


## Item count by site / warehouse

Count without discrepancy Count with discrepancy



## Discrepancy rate by product



# Mobile App

# Dynamics 365 – Warehousing App



- Google Play-Android
- Windows Store-Windows
- Zebra App Gallery
- Scan bar codes using a camera



INVENTORY
Item Inquiry
Location Inquiry
LP Inquiry
Cycle Count Guided
Cycle Count Blind
Spot Counting
Replenishment
Movement
Back

# System Grouping on an Open Work List

Mobile device menu items

Menu item name: Work List-Sys Group    Title: Work List-System Gro...    Mode: Indirect    Use existing work: No ☐

General

Activity code: Display open work list    Maximum number of records displayed: 0    Records per page: 0    Allow users to filter by work transacti...: Yes ☐    Display work list grouping filter: Yes ☐

System grouping field: ShipmentId

System grouping label: Shipment ID

Work classes

+ New    Delete

✓ Work class ID    Work order type

## Common Fields

- Load ID
- Shipment ID
- Wave ID
- Work Pool ID
- Work Priority
- Order Number

# System Grouping on an Open Work List

WORK LIST-SYSTEM GROUPING

TASK DETAILS

Scan Shipment ID

SHIPMENT ID

SHIPMENT ID

USMF-000032

WORK LIST-SYSTEM GROUPING

All

USMF-000018

USMF-000019

USMF-000021

# Production



# Partial Release of Materials

Partial release of materials and release materials per production operation

- Previously, when a production order was released, all the material for the order was released to the warehouse.
- Users now have the ability to release to warehouse a specified quantity or specified operations.

## Release

Select Default values

Overview General Run in the background

References

Yes ☒

Print job card

No ☐

Print route job

No ☐

Print route card

No ☐

Setup

Setup

Setup

### RELEASE TO WAREHOUSE

From Oper. No.

To Oper. No.

Released quantity

# Production Replenishment

Demand replenishment for raw material picking

- Wave demand replenishment has been enhanced to include raw material picking.
- In previous versions, demand replenishment was only supported for sales orders and transfer orders.


Wave template

Wave template name	Wave template description	Wave template sequence	Site	Warehouse	Template status
51 Production	51 Production	1	5	51	Valid

General

Methods

**REMAINING METHODS**

✓	Method name	Name
 <p>We didn't find anything to show here.</p>		

**SELECTED METHODS**

✓	Method sequen...	Method name	Name
	1	prodPickQty	prodPickQty
	2	prodAllocateWave	prodAllocateWave
	3	prodReplenish	Replenishment
	4	prodCreateWork	prodCreateWork

# Production Flushing Principle

## Flushing Principle Available at Location

- A new flushing principle, available at location, allows you to indicate that material should be automatically consumed with a picking journal when it becomes available on the production input location.

Steel Bulk : Steel Bulk 144 Inch

Engineer ea BOM ^

BOM unit <b>ea</b>	Planning level <b>0</b>	Width <input type="text"/>	<b>PRODUCTION</b>	Arrival <b>No</b> <input type="checkbox"/>
Constant scrap <input type="text"/>	Phantom <b>No</b> <input type="checkbox"/>	Depth <input type="text"/>	Production pool <input type="text"/>	Flushing principle <b>Available on location</b>
Variable scrap <input type="text"/>	Auto-report as finished <b>No</b> <input type="checkbox"/>	Density <input type="text"/>	Production group <input type="text"/>	<b>FORMULA PLANNING</b>
Costing level <b>0</b>	<b>MEASUREMENT</b>	<b>CALCULATION</b>	Property <input type="text"/>	Production type <b>BOM</b>
	Height <input type="text"/>	Calculation group <input type="text"/>		Planning formula <input type="text"/>

# Production Output Locations

## Production Output Locations

- Production output locations have been enhanced to allow an output location to be specified at the resource level instead of the resource group.

### Resource groups

Resource group

Description

Site

Cutting

Cutting

5

### Resources

+ Add

Remove

Edit

View

Calendar

Dispatching

Gantt chart

Resource	Description	Expiration	Input warehouse	Input location	Output warehouse	Output location
Saw1	Saw1	Never	51		51	Saw1-Out
Saw2	Saw2	Never	51		51	Saw2-Out

# Resources

[Microsoft Docs What's New and Changed](#)

[Stoneridge Software Blog](#)

[Introduction to Dynamics 365 for Operations](#)

[Supply Chain Management in Dynamics AX](#)

[Dynamics AX Manufacturing R&D Blog](#)

A stylized logo graphic consisting of a dark grey line forming a right-angled triangle pointing upwards and to the right, with a white line extending from the right angle, also pointing upwards and to the right.

# STONERIDGE CONNECT

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Questions?

# What's Next?

## More Information?

Talk to us! Or contact your account manager or project manager

## Need Support?

[axsupport@stoneridgesoftware.com](mailto:axsupport@stoneridgesoftware.com)

## Stay Connected

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