

# Seer Inventory Visibility

Josh Bartlett – Manager, Mobile & Supply Chain Solutions



# What's the problem?

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- **Inventory growth rate, caused by:**
  - Duplicate purchases – invisible inventory
  - Contingency buys & return-to-stock
- **Inventory overstock**
  - High inventory values
  - Difficulty identifying parts to be let go
  - Difficulty matching sellers to buyers

# What's the problem? **What's the solution?**

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- **Visibility to...**
  - Duplicated stock codes that already exist in the warehouse
  - Alternative parts or sources identified by others
  - Surplus parts available from other utilities
- **...but without adding work.**

# Seer – What does it do?

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- **Daily, automated analysis of inventory**
  - Duplicate stock on hand
  - Alternate sourcing options (other suppliers and manufacturers)
- **Results pushed to supply chain and planning personnel**
  - Seer indicator button in your ERP system
  - Users don't need to search for matched inventory

# Who's Using Seer?

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- Exelon
- FirstEnergy
- Southern
- Duke
- NextEra
- Palo Verde
- Diablo Canyon

# Integration Experience

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- Passport
- SAP
- Maximo (browser extension)
- Asset Suite
- SWMS & MLIS

# See Example: Passport Requisition Window

TIMP200 - PURCHASE REQUISITION LINE - [ NuclearProduction(PN4P) ]

File Edit Navigate Options View Help

More Detail to review description. Execute to view stock model.

Facility= BV Warehouse: 1 **Seer:** Request Status= INPROG 05/30/2014

Requisition= 01425007 0001 Matl Analyst=

Request Type= MRAUTO Invoice Appr: Requested By= DRDVY 05/28/2014

Catalog ID= 00706104154 1 Stock Type= S Reference=

Description: SPRING,TYPICAL, QA 2, VALVE, STEEL UNIQUE DESC = SPRING, TYPICAL, Q LEVEL: QA 2, APPLICATION: VALVE.

Commodity= 13 FUS \*\*\* PE: 0080422 Material Request/Pri:

Need Date= 11/22/2013 eCat: N Ship-to Code:

Request Qty: 25 Expd Pri= Hot=

Required Qty: 14 Ut: EA Est Unit Price: \$890.000000

Awarded Qty: Est Line Value: \$22,250.00

Manufacturer= MR02 M/V: M Post-Purchase:

Model Number: ASL Only:

Part Number: 9F60BDD001 Taxable:

Buyer Code: DRDVY Sugg Vendor= 00142429

PO Number: BPO:  CPO:


Description Summary/Notes Accounting eError Previous Next

# Seer Example: Passport Requisition Window

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File Edit Navigate Options View Help

More Detail to review description. Execute to view stock model.

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Model Number: ASL Only:

Part Number: 9F60BDD001 Taxable:

Buyer Code: DRDVY Sugg Vendor= 00142429

PO Number: BPO:  CPO:

Description Summary/Notes Accounting eError Previous Next



# Seer Example: SAP ZM120

**Change MRP Settings**

Go Back Save & Exit MD03 MD04 MD05 ME54N ZM131 MMBE BFO ZM48 StkPln MM02 Product ZM164

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**Reference MRP Information**

Material	100018687	GASKET-SPIRAL WOUND, FLEXITALLIC CGI	UOM EA	Each
Plant	G201	Davis-Besse Nuclear Pwr P1t	Qual Indicator	N
MAP \$	51.30		Critical Part	
MRP Controller	D02	George Fifer	Last MRP Update	03/03/2008
Shelf Life	0	Days	Last Update User	Fifer George L 15250

**Function Location Info**

Num Fun Loc	0	Sub Critical
Critical	0	
Non-Critical	0	Run to Fail 0

**MRP Statistics**

Unrest Use Stock	2.000
Main Unrest Use	2.000
Total Resv Qty	4.000
QM Stock	0.000
Blocked Stock	0.000
Stock in Trans	0.000
Open Req Qty	0.000
Open PO Qty	4.000
Resv (Mvmt Allow)	4.000
GDC QTY	0.000

**X Plant Mat Status**

Plant Spec Mat Status

Revised Status

Actual 12 Months Usage 0.0

Actual 48 Months Usage 14.0

[Review Consumption History](#)

Return Ratio (4 yr) 12.50

Excess Qty / Value 1 / 51.30

Issued / WO 0 / 0

PIPE 6

Open PEF(s) 0

**Repairable Indicator**

Maint Philosophy

Maintenance Rule No

Total Cont Parts 0.000

Cont Parts TRLT 0.000

Outline Agreement 46101820

OA Lead Time 28

PO Lines - 4 Years 4

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**MRP Parameter Adjustments**

	Current	Revised
MRP Type	PD	<input type="checkbox"/>
Reorder Point	0	<input type="checkbox"/>
Calculated EOQ	8	<input type="checkbox"/>
Lot Size	EX	<input type="checkbox"/>
Minimum Lot Size	0.000	<input type="checkbox"/>
Maximum Stock Level	0	<input type="checkbox"/>
Rounding Value	0	<input type="checkbox"/>

**Stocking Criticality Adjustments**

	Current	Revised
ABC Indicator		<input type="checkbox"/>
MRP Group	1000	<input type="checkbox"/>
SPT Code		<input type="checkbox"/>
SPT Reviewed	<input type="checkbox"/>	04/17/2015
Planned Delivery Time	28	<input type="checkbox"/>
Last Update Date		02/28/2014
Avg Lead Time (# POs)	5 (3 POs)	

# Seer Example: SAP ZM120

**Change MRP Settings**

Go Back Save & Exit MD03 MD04 MD05 ME54N ZM131 MMBE BFO ZM48 StkPln MM02 Product ZM164 **SEER**

**Reference MRP Information**

Material 100018687 GASKET-SPIRAL WOUND, FLEXITALLIC CGI UOM EA Each  
 Plant G201 Davis-Besse Nuclear Pwr P1t Qual Indicator N  
 MAP \$ 51.30 Critical Part  
 MRP Controller D02 George Fifer Last MRP Update 03/03/2008  
 Shelf Life 0 Days Last Update User Fifer George L 15250

**Function**

Seer Match

Non-Critical 0 Run to Fail 0

**MRP Statistics**

Unrest Use Stock	2.000
Main Unrest Use	2.000
Total Resv Qty	4.000
QM Stock	0.000
Blocked Stock	0.000
Stock in Trans	0.000
Open Req Qty	0.000
Open PO Qty	4.000
Resv (Mvmt Allow)	4.000
GDC QTY	0.000

**X Plant Mat Status**      **Repairable Indicator**

Plant Spec Mat Status      Maint Philosophy

Revised Status

Actual 12 Months Usage 0.0      Maintenance Rule No

Actual 48 Months Usage 14.0      Total Cont Parts 0.000

[Review Consumption History](#)      Cont Parts TRLT 0.000

Return Ratio (4 yr) 12.50      Outline Agreement 46101820

Excess Qty / Value 1 / 51.30      OA Lead Time 28

Issued / WO 0 / 0

PIPE 6      PO Lines - 4 Years 4

Open PEF(s) 0

**MRP Parameter Adjustments**

	Current	Revised
MRP Type	PD	<input type="checkbox"/>
Reorder Point	0	<input type="checkbox"/>
Calculated EOQ	8	<input type="checkbox"/>
Lot Size	EX	<input type="checkbox"/>
Minimum Lot Size	0.000	<input type="checkbox"/>
Maximum Stock Level	0	<input type="checkbox"/>
Rounding Value	0	<input type="checkbox"/>

**Stocking Criticality Adjustments**

	Current	Revised
ABC Indicator		<input type="checkbox"/>
MRP Group	1000	<input type="checkbox"/>
SPT Code		<input type="checkbox"/>
SPT Reviewed	<input type="checkbox"/>	04/17/2015
Planned Delivery Time	28	<input type="checkbox"/>
Last Update Date		02/28/2014
Avg Lead Time (# POs)	5 (3 POs)	

# Seer screen shows catalog duplication

Seer

Catalog ID:

Part Number:

Min Quantity:

Q-Level:

My Company

Seer Members

Merge Results

Hide Bad Matches

**My Company**

Catalog Id	Facility	Description	On Hand	Manufacturer	Part #	Q Level	Surplus	Match
<a href="#">100028147</a>	Perry NPP	SWITCH-PRESSURE: ALARM,125/250VAC, 12/12	1	UNITED ELECTRIC CONTROLS CO.	J54A-8295	NON-SAFETY	1	<input checked="" type="checkbox"/>
<a href="#">88385106</a>	Davis Besse NPP	SWITCH-PRESSURE: ALARM,125/250VAC, 12/12	2	UNITED ELECTRIC	J54A-8295	AUGMENTED QUALITY	1	<input checked="" type="checkbox"/>
<a href="#">88385106</a>	Beaver Valley NPS	SWITCH-PRESSURE: ALARM,125/250VAC, 12/12	1	AUTOMATIC SPRINKLER CORP.	86-150	AUGMENTED QUALITY	1	<input checked="" type="checkbox"/>
<a href="#">465569</a>	FT. MARTIN	PULVERIZER-PT C-E 823RPS COVER	0	ABB COMBUSTION ENGINEERING INC	86-150	NON-SAFETY		<input checked="" type="checkbox"/>

**Seer Members**

Catalog Id	Facility	Description	On Hand	Manufacturer	Part #	Q Level	Surplus	Match
<a href="#">0001131395-3</a>	Clinton Power Station	SWITCH, PRESSURE, ALARM, DUAL SWITCH, (IN-LINE)	0	GRINNELL/AUTOMATIC SPRINK	86-150	COMMERCIAL GRADE	0	<input checked="" type="checkbox"/>
<a href="#">0001165569-4</a>	Clinton Power Station	BOM OBSOLETE, ONLY, ALARM, SWITCH, SUPERCEDED BY S/C NR3158	0	UNITED ELEC CONTL.CO.	J54A-8295	NON-SAFETY		<input checked="" type="checkbox"/>
<a href="#">0001131191-3</a>	Clinton Power Station	SWITCH, PRESSURE, TYPE: DUAL SWITCH,125/250,15	0	LESMA INSTR.CO.	J54A-8295	COMMERCIAL GRADE	0	<input checked="" type="checkbox"/>
<a href="#">0001701806-4</a>	Calvert Cliffs NPP	SWITCH, ALARM, PRESSURE, AUTOMATIC, USE MATERIAL ITEM NAC34	0	ASCOA FIRE SYSTEMS	86-150	NON-SAFETY	0	<input checked="" type="checkbox"/>
<a href="#">0001563330-4</a>	Nine Mile Point NPP	SWITCH,PRESSURE STANDARD ALARM P/N 86-150 DPDT,AC,NEMA 1,ASCOA	3	AUTOMATIC FIRE PROT.SYSTE	86-150	NON-SAFETY	0	<input checked="" type="checkbox"/>
<a href="#">0001265356</a>	XXXXX	SWITCH, ..., PRES ALRM SPRINKLER	0	UNITED ELECTRIC CONTROLS	J54A-8295	SAFETY-RELATED		<input checked="" type="checkbox"/>

**RAPID Search Results - [Go To RAPID](#)**

Catalog Id	Facility	Description	On Hand	Manufacturer	Part #	Q Level	Surplus
<a href="#">00740913154</a>	ROXBORO PLANT	SWITCH, SWITCH, ..., PRES,AIR,LOW MDL# 8295	3	UNITED ELECTRIC CONTROLS	J54A-8295		0
<a href="#">SMF016</a>	MONTICELLO NPP	SWITCH, PRESSURE, DUAL, 125/250VAC 15AMP 1/2 HP, 1/2 IN MNPT, 0.7-1.7 PSI ON/OFF, OBSOLETE - DO NOT SELL	2	UNITED ELECTRIC CONTROLS	J54A-8295		0
<a href="#">0434401</a>	TRIMBLE COUNTY POWER PLANT	SWITCH,PRESSUREE,FIRE PROTECTION,TYPE J33AX FOR SPRINKLER SYSTEMS #8817 WATER TREATMENT FIRE PROTECTION	2	UNITED ELECTRIC CONTROLS CO.	J54A-8295		0
<a href="#">0434401</a>	MILL CREEK GENERATING STATION	SWITCH,PRESSUREE,FIRE PROTECTION,TYPE J33AX FOR SPRINKLER SYSTEMS #8817 WATER TREATMENT FIRE PROTECTION	1	UNITED ELECTRIC CONTROLS CO.	J54A-8295		0
<a href="#">307-S98685</a>	GEORGE NEAL	SWITCH,PRESSURE,FLOW INDICATOR,DPDT SWITCH,PRESSURE,FLOW INDICATOR,DPDT - NNC FIRE PROTECTION DELUGE SYSTEMS	1	UNITED ELEC CON	J54A-8295		0

# Seer screen shows catalog duplication *and* industry matches

Seer

Catalog ID:

Part Number:

Min Quantity:

Q-Level:

My Company

Seer Members

Merge Results

Hide Bad Matches

**My Company**

Catalog Id	Facility	Description	On Hand	Manufacturer	Part #	Q Level	Surplus	Match
<a href="#">100028147</a>	Perry NPP	SWITCH-PRESSURE: ALARM,125/250VAC, 12/12	1	UNITED ELECTRIC CONTROLS CO.	J54A-8295	NON-SAFETY	1	✓
<a href="#">88385106</a>	Davis Besse NPP	SWITCH-PRESSURE: ALARM,125/250VAC, 12/12	2	UNITED ELECTRIC	J54A-8295	AUGMENTED QUALITY	1	✓
<a href="#">88385106</a>	Beaver Valley NPS	SWITCH-PRESSURE: ALARM,125/250VAC, 12/12	1	AUTOMATIC SPRINKLER CORP.	86-150	AUGMENTED QUALITY	1	✓
<a href="#">465569</a>	FT. MARTIN	PULVERIZER-PT C-E 823RPS COVER	0	ABB COMBUSTION ENGINEERING INC	86-150	NON-SAFETY		✓

**Seer Members**

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<a href="#">0001131191-3</a>	Clinton Power Station	SWITCH, PRESSURE, TYPE: DUAL SWITCH,125/250,15	0	LESMA INSTR.CO.	J54A-8295	COMMERCIAL GRADE	0	✓
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<a href="#">0001265356</a>	XXXXX	SWITCH, ..., PRES ALRM SPRINKLER	0	UNITED ELECTRIC CONTROLS	J54A-8295	SAFETY-RELATED		✓

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# Contingent Parts Manager (CPM)

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- Allows reservation of parts from other companies' inventories
- Avoid adding contingent parts to inventory if they're not needed
- CPM interface manages inbound and outbound reservations

# 7<sup>th</sup> Seer Inventory Visibility Meeting – Report

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- April 27<sup>th</sup>, 2017 in Kennett Square, PA
- 19 Attendees – 11 companies represented
- Discussed Seer/Inventory Metrics and Product Roadmap
- Several minor changes, and two major enhancements

# Seer Enhancement – Inventory Snapshot

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- Quarterly inventory data capture
- Compare inventory to next quarter
- Metrics:
  - Count of duplicates identified & eliminated
  - Count of new catalog IDs created
  - Dollar value of savings from consolidation and reduction efforts

# Seer Enhancement – Duplicate Catalog ID Exception Report

- Creation of duplicate CatIDs is sometimes the result of ERP system shortfalls
- Seer will identify matches for newly-created CatIDs in the RAPID data feed
  - Seer will email daily report to utility with potential duplication
  - Target cycle time: **2 days** after CatID creation, utility will receive email with duplicate information from their inventory



# 8<sup>th</sup> Seer Inventory Visibility Meeting

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- **Thursday, May 18<sup>th</sup>, 2017** (yes, two days from now)
- **8:00 am – 3:00 pm**
- **Sheraton Sand Key – Conch Room, 6<sup>th</sup> Floor**
- **Discussion topics**
  - Seer enhancements
  - Inventory metrics
  - Implementation using browser extension for easy deployment

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**CURTISS -  
WRIGHT**

Josh Bartlett

[jbartlett@curtisswright.com](mailto:jbartlett@curtisswright.com)

727.669.3114



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[www.curtisswright.com](http://www.curtisswright.com)