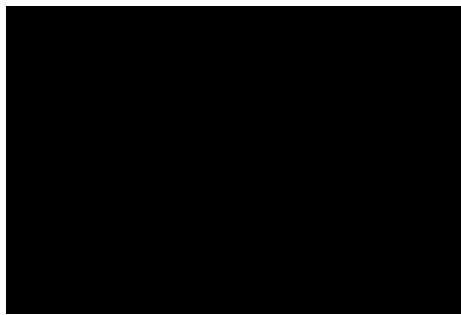


# Seer Inventory Visibility

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

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

---

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

# Seer – What does it do?

- **Daily, automated analysis of inventory**
  - Duplicate stock on hand
  - Alternate sourcing options (other suppliers and manufacturers)
    - $A = B ; A = C ; \therefore B = C$
- **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**
  - Integration with Passport & PIMS
- **FirstEnergy**
  - Integration with SAP
- **Southern**
  - Integration with Maximo
- **Duke**
  - Integration pending
- **NextEra**
  - Intermediate application

## Seer Operating Experience

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- **2013:** Exelon transferred \$3M of inventory items that have non-shared catalog ID's between its sites.
- **2014:** Exelon transferred \$4.6M of inventory items between its sites.
- Exelon directly attributes this increase to the visibility of non-shared common parts provided by Seer.

# Seer 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 Summary Accounting ▶ eError Previous Next

# Seer 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

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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 Summary 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

---

**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

---

**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

**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  
 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

Outline Agreement 46101820  
 OA Lead Time 28  
 PO Lines - 4 Years 4

**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 fleet duplication

Welcome to Seer - [Contact Us](#)

Seer

Catalog ID:  [🔗](#) Manufacturer: **AUTOMATIC SPRINKLER CORP**

Part Number: **86-150** Facility: **Perry NPP**

On Hand: **1** On Demand:

Description: **SWITCH-PRESSURE: ALARM,125/250VAC, 12/12**

---

CURTISS - WRIGHT

Part Number:

Min Quantity:

Q-Level:

My Company

Others

Hide Bad Matches

Merge Results

**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	NSR		✓
<a href="#">88385106</a>	Davis Besse NPP	SWITCH-PRESSURE: ALARM,125/250VAC, 12/12	3	AUTOMATIC SPRINKLER CORP.	86-150	NSR		✓
<a href="#">88385106</a>	Davis Besse NPP	SWITCH-PRESSURE: ALARM,125/250VAC, 12/12	3	UNITED ELECTRIC	J54A-8295	NSR		✓

**Others**

Catalog Id	Facility	Description	On Hand	Manufacturer	Part #	Q Level	Surplus	Match
<a href="#">0001131191-3</a>	Clinton Power Station	SWITCH, PRESSURE, TYPE: DUAL SWITCH,125/250,15 .	0	LES MAN INSTR.CO.	J54A-8295	SR	0	✓
<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	SR	0	✓
<a href="#">0001131395-3</a>	Clinton Power Station	SWITCH, PRESSURE, ALARM, DUAL SWITCH, (IN-LINE)	0	GRINNELL/AUTOMATIC SPRINK	86-150	SR	0	✓
<a href="#">0001701806-4</a>	Calvert Cliffs NPP	SWITCH, ALARM, PRESSURE, AUTOMATIC, USE MATERIAL ITEM NAC34	0	ASCOA FIRE SYSTEMS	86-150	SR	0	✓
<a href="#">0001563330-4</a>	Nine Mile Point NPP	SWITCH,PRESSURE STANDARD ALARM P/N 86-150 DPDT,AC,NEMA 1,ASCOA	5	AUTOMATIC FIRE PROT.SYSTE	86-150	SR	0	✓

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

Catalog Id	Facility	Description	On Hand	Manufacturer	Part #	Q Level	Surplus
<a href="#">0001563330-4</a>	NINE MILE POINT NPP	SWITCH,PRESSURE STANDARD ALARM P/N 86-150 DPDT,AC,NEMA 1,ASCOA	5	AUTOMATIC FIRE PROT.SYSTE	86-150	NSR	
<a href="#">88385106</a>	DAVIS BESSE NPP	SWITCH-PRESSURE: ALARM,125/250VAC, 12/12	3	AUTOMATIC SPRINKLER CORP.	86-150	NSR	
<a href="#">333553</a>	CLIFFSIDE STATION	COVER,JOURNAL OPENING,COMPLETE W/ SPRING TENSION ASSY    NO ADDITIONAL MFG / PART # INFO::	3	ALSTOM POWER INC	86-150	NSR	
<a href="#">333553</a>	MARSHALL STATION	COVER,JOURNAL OPENING,COMPLETE W/ SPRING TENSION ASSY    NO ADDITIONAL MFG / PART # INFO::	3	ALSTOM POWER INC	86-150	NSR	
<a href="#">0006002780</a>	HUNTER STATION	COVER,DOOR,JOURNAL,OPENING,FABRICATED,	1	ABB C-E SERVICES INC	86-150	NSR	

# Seer screen shows fleet duplication *and* industry matches

Welcome to Seer - [Contact Us](#)

Seer

Catalog ID:  [🔗](#) Manufacturer: **AUTOMATIC SPRINKLER CORP**

Part Number: **86-150** Facility: **Perry NPP**

On Hand: **1** On Demand:

Description: **SWITCH-PRESSURE: ALARM,125/250VAC, 12/12**

---

CURTISS - WRIGHT

Part Number:

Min Quantity:

Q-Level:

My Company

Others

Hide Bad Matches

Merge Results

### 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	NSR		✓
<a href="#">88385106</a>	Davis Besse NPP	SWITCH-PRESSURE: ALARM,125/250VAC, 12/12	3	AUTOMATIC SPRINKLER CORP.	86-150	NSR		✓
<a href="#">88385106</a>	Davis Besse NPP	SWITCH-PRESSURE: ALARM,125/250VAC, 12/12	3	UNITED ELECTRIC	J54A-8295	NSR		✓

### Others

Catalog Id	Facility	Description	On Hand	Manufacturer	Part #	Q Level	Surplus	Match
<a href="#">0001131191-3</a>	Clinton Power Station	SWITCH, PRESSURE, TYPE: DUAL SWITCH,125/250,15 .	0	LESMAN INSTR.CO.	J54A-8295	SR	0	✓
<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	SR	0	✓
<a href="#">0001131395-3</a>	Clinton Power Station	SWITCH, PRESSURE, ALARM, DUAL SWITCH, (IN-LINE)	0	GRINNELL/AUTOMATIC SPRINK	86-150	SR	0	✓
<a href="#">0001701806-4</a>	Calvert Cliffs NPP	SWITCH, ALARM, PRESSURE, AUTOMATIC, USE MATERIAL ITEM NAC34	0	ASCOA FIRE SYSTEMS	86-150	SR	0	✓
<a href="#">0001563330-4</a>	Nine Mile Point NPP	SWITCH,PRESSURE STANDARD ALARM P/N 86-150 DPDT,AC,NEMA 1,ASCOA	5	AUTOMATIC FIRE PROT.SYSTE	86-150	SR	0	✓

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

Catalog Id	Facility	Description	On Hand	Manufacturer	Part #	Q Level	Surplus
<a href="#">0001563330-4</a>	NINE MILE POINT NPP	SWITCH,PRESSURE STANDARD ALARM P/N 86-150 DPDT,AC,NEMA 1,ASCOA	5	AUTOMATIC FIRE PROT.SYSTE	86-150	NSR	
<a href="#">88385106</a>	DAVIS BESSE NPP	SWITCH-PRESSURE: ALARM,125/250VAC, 12/12	3	AUTOMATIC SPRINKLER CORP.	86-150	NSR	
<a href="#">333553</a>	CLIFFSIDE STATION	COVER,JOURNAL OPENING,COMPLETE W/ SPRING TENSION ASSY    NO ADDITIONAL MFG / PART # INFO::	3	ALSTOM POWER INC	86-150	NSR	
<a href="#">333553</a>	MARSHALL STATION	COVER,JOURNAL OPENING,COMPLETE W/ SPRING TENSION ASSY    NO ADDITIONAL MFG / PART # INFO::	3	ALSTOM POWER INC	86-150	NSR	
<a href="#">0006002780</a>	HUNTER STATION	COVER,DOOR,JOURNAL,OPENING,FABRICATED,	1	ABB C-E SERVICES INC	86-150	NSR	

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**CURTISS -  
WRIGHT**

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