ASUG

Community
Conversations

Roundtable The State of the **Oil, Gas, and Energy Industry: Challenges**, Innovations, and What's Next

With:
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ASUG Community Conversation:

The State of the Oil, Gas, and Energy Industry:

Challenges, Innovations, and What's Next

April 9, 2025

**Poll Question 1: Does your company use Work Orders
to track spend in SAP?**

How do you plan for supply chain disruptions?

POWWOP!

Plan Our Work & Work Our Plan

Plan on Demand

In a Perfect World We:

- Know Every Part for all PM work
- Every Failure Before it Happens
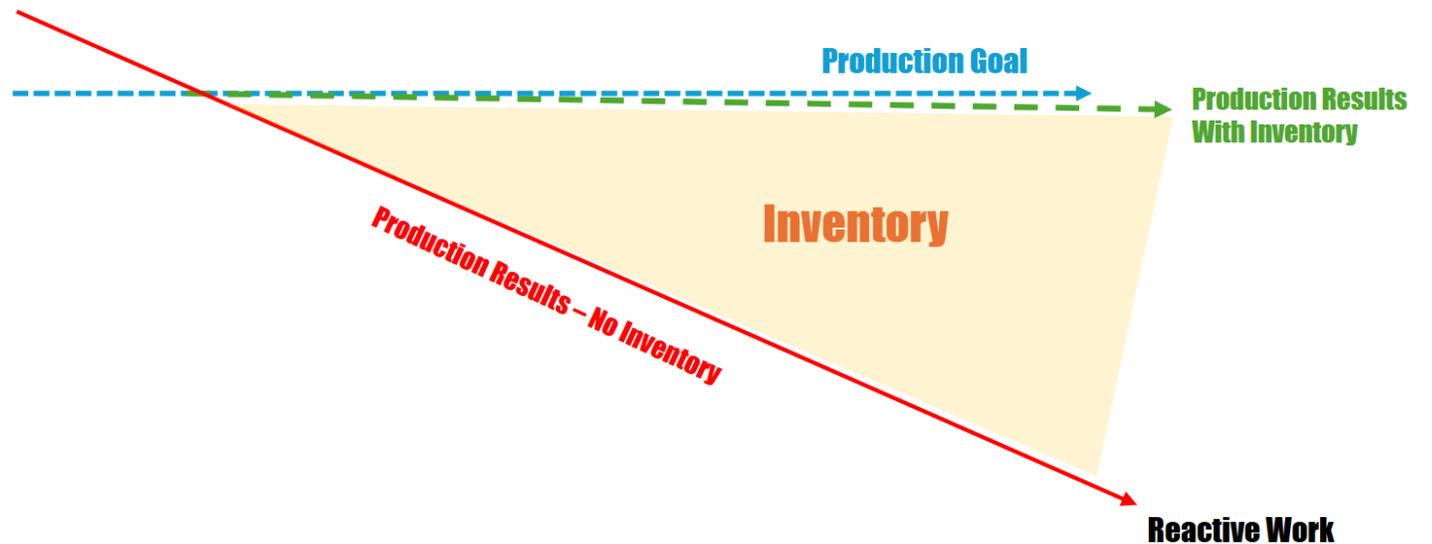- Only hold Critical Inventory.

BUT STUFF HAPPENS!
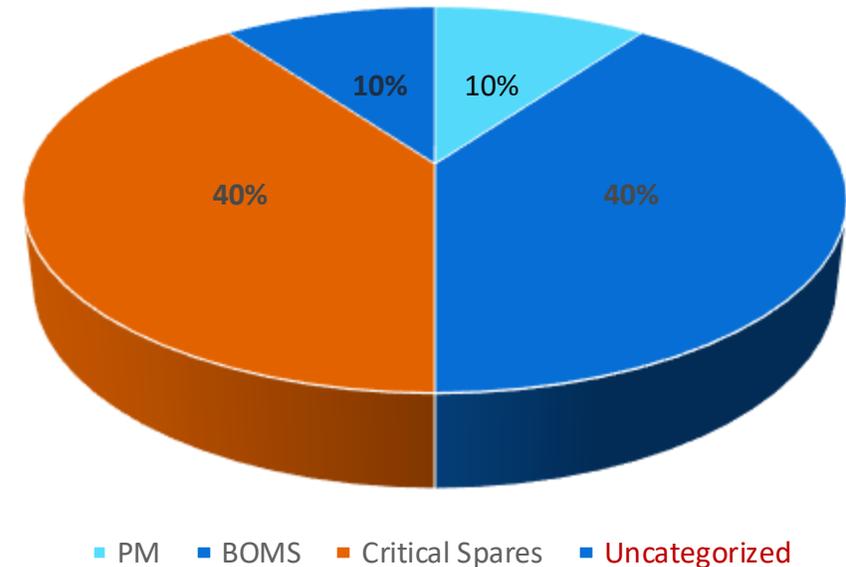
THIS IS WHY WE HOLD INVENTORY

Planned Work

Production Goal

Production Results
With Inventory

Inventory

Production Results – No Inventory

Reactive Work

The Less You Plan, The More Inventory You Need!

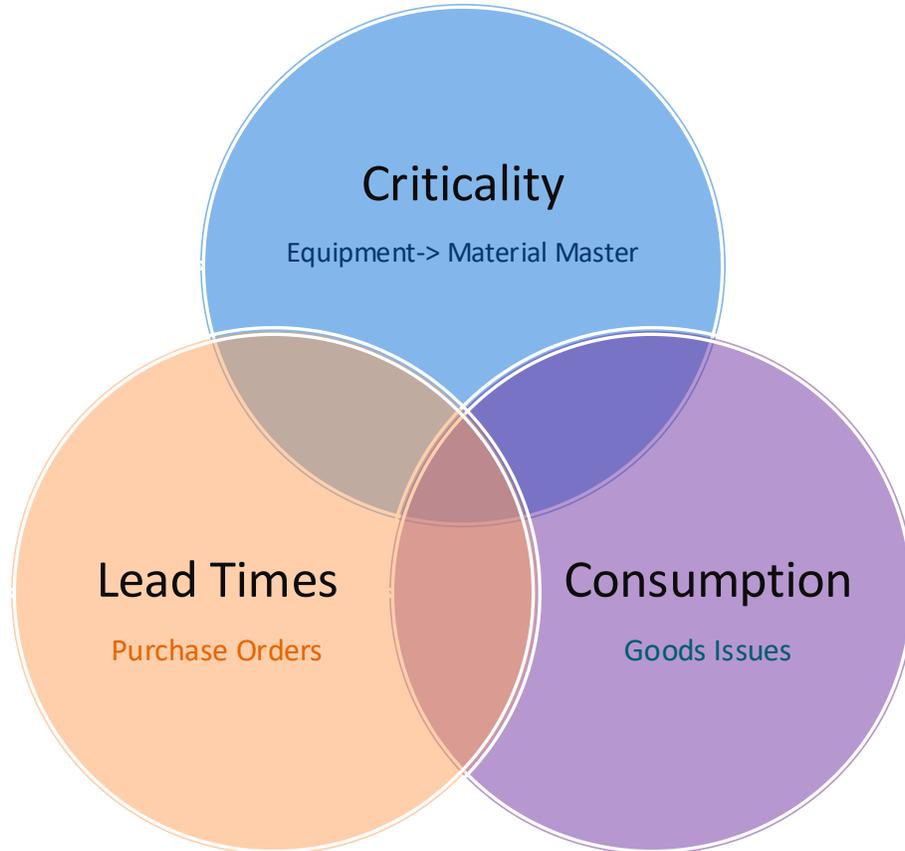# How can I minimize inventory and still support Operations?

Spare Parts Review

- **Can we tie all Parts (Maintenance & Repair) in the Warehouse to an Equipment BOM or Task List?**

- **Are Identified Spare Parts (in inventory or not) on a Source List and set to Auto Source through MRP?**

- **Are Lead Times Managed?**

- **Are Long Lead, Frequent Failure Parts Stocked (and Counted) to mitigate unplanned downtime?**

INVENTORY CATEGORIZATION

10%   10%   40%   40%

■ PM   ■ BOMS   ■ Critical Spares   ■ Uncategorized

Right Size Inventory with DATA, NOT Emotions

Criticality

Equipment-> Material Master

Lead Times

Purchase Orders

Consumption

Goods Issues

Criticality Questionnaire

Refresh   Submit   Cancel

Results

| Is Critical? | Is Held In Stock? | Is Repairable? |
| No | Not Stocked | No |

| Computed Lead Time | Recommended Stock Class |

Please indicate the impact of failure if replacement part is not available (refer descriptions at right).

○ Production Stopper - Key components with no work arounds

○ Maintenance delays - increased downtime

○ No Impact

Is failure a safety risk to people or the environment?

○ Yes

○ No

The frequency of failure is important to understand for both existing equiptment and new equiptment which is why reliability staff should be included in this process.

○ Tortoiselike - Once every 1 to 5 years

○ Slow - Once per year

○ Moderate - 2 to 3 times per year

○ Frequent - 4 to 12 times per year

○ Fast - 12+ times per year

What can I do to manage cost and minimize the impact of the new tariffs?

Forecasting Materials

- TCODE- S_ALR_87013426

Sum of Quantity	Column Labels												
Row Labels	01/2023	02/2023	03/2023	04/2023	05/2023	06/2023	07/2023	08/2023	09/2023	10/2023	11/2023	12/2023	Grand Total
⊞ CATHODIC	17	20	17	15	25	9	16	14	1	6	6		146
⊞ CHEMICALS		3							3				6
⊞ COOLERS									4		6		10
⊞ ENGINES											1		1
⊞ FILTERS	327	300	158	258	406	207	252	358	199	351	320	199	3,335
⊞ FITTINGS	42	42	44	45	43	48	42	42	44	42	52	43	529
⊞ HSE_M001	1	24	12	24	13	1	12			24	1	1	113
⊞ HSE_M004	9			9		9	3		9			9	48
⊞ LUBE	260	329	322	195	368	252	371	247	85	179	429	86	3,121
⊞ MAINSUPP	170	78	127	110	89	60	178	20	385	87	150	54	1,508
⊞ PART_COMP	1,348	1,845	462	1,624	653	972	2,142	95	1,062	1,319	866	1,365	13,753
⊞ PART_ELEC	35												35

⊟ FILTERS													
	327	300	158	258	406	207	252	358	199	351	320	199	3,335
BAG FILTER 20 MIC RNG TP POLY F/ANY FTF	4	4	4	4	6	4	4	4	4	6	4	4	52
BAG FILTER 5 MIC RING TOP POLY F/FTF MOD	6	4	4		4	4	4	6	4	4	4	4	52
COALESCER F/ FRICK M9-1990820-DOE					1						1		2
ELEMENT AFTER FILTER F577IGE IR DRYER			1							1			2
ELEMENT AS 105-9741	4	4	6	6	4	6	4	6	4	6	4	6	60
ELEMENT PRE FILTER F577IHE IR DRYER			1							1			2
ELEMENT, FILTER WIX_551684 16" 7 MICRON	1			1	1			1	1		1	1	8
FILTER F LUBR 150 MIC A-8723								4					4
FILTER 10 MICRON 47500222	1												1
FILTER 10 MICRON 47500309	2				1				2		1		8
FILTER 16" X 25" X 2" F/ HVAC					4						4		8
FILTER AFTER #040AR						1	1						2
FILTER AFTER 045AO			2	1	2		1		2		2		10
FILTER AFTER 85565943										2	1	1	4
FILTER AFTER E081-P								1				1	2
FILTER AFTER EGH-0700PP	2								1	1			4
FILTER AFTER F15095J-PU								1					1
FILTER AFTER FMF2023J-PW										1			1
FILTER AIR 49108 WIX					1								1
FILTER AIR 6211-4723-50			1										1
FILTER AIR INNER SULLIVAN PALATEK										2			2
FILTER AIR 00521-112	1	1	1	1	1	1	1	1	1	1	1	1	12
FILTER AIR 20" X 30" X 2" GEN USE PLEATD						16					16		32
FILTER AIR 2013400003	1								2	1	2		6
FILTER AIR 23388275	2			2					2		2		8
FILTER AIR 23429822		2		2					2		2		8
FILTER AIR 23458-2 OEM	3	2		3	3		3	4		3	1		22
FILTER AIR 49109 WIX					1								1
FILTER AIR 8021591										1			1

Poll Question 2: Does your company use SAP MRP to Create Requisitions?

MRP is for EVERYONE!

Yes!

Maintenance Too!

How would you maximize the ROI of your SAP investment?

Poll Question 3: Does your company monitor MRP exceptions daily?

Manage by Exception

Built in Functionality YOU ALREADY OWN!

el..	Exc.	Exception Message
	69	Recursive BOM components possible
	02	New, and opening date in the past
	05	Opening date in the past
	03	New, and start date in the past
	06	Start date in the past
	63	Production start before order start
	04	New, and finish date in the past
	07	Finish date in the past
	64	Production finish after order finish
	01	Newly created
	42	Order proposal has been changed
	44	Order proposal re-exploded
	46	Order proposal has been manually changed
	61	Scheduling: Customizing inconsistent
	62	Scheduling: Master data inconsistent
	80	Reference to retail promotion
	82	Item is blocked

5	50	No BOM exists
	52	No BOM selected
	53	No BOM explosion due to missing config.
	54	No valid run schedule
	55	Phantom assembly not exploded
6	25	Excess stock
	26	Shortage in individual segment
	40	Coverage not provided by master plan
	56	No requirements coverage
	57	Disc. matl partly replaced by follow-up
	58	Uncovered reqmt after effective-out date
	59	Receipt after effective-out date
	70	Max. release qty - quota exceeded
	96	Stock fallen below safety stock level
7	10	Bring process forward
	15	Postpone process
	20	Cancel process
	30	Plan process according to schedule
8	98	Abnormal end of requirements planning

How would you maximize the ROI of your SAP investment?

Wrap it Up

- **POWOP!**

- **KNOW WHY YOU HOLD INVENTORY**

- **RUN MRP & USE ALL OF THE SAP YOU HAVE**

Oil, Gas & Energy Community

We will host monthly virtual Oil, Gas & Energy Community Conversations:

- Dates and topics for June to December to be finalized

Additional Year-Round Engagements from ASUG:

- Watch for Oil, Gas & Energy articles in ASUG's First Five weekly newsletter and coverage in ASUG Talks podcast in 2025.

- Check out and engage with ASUG's Oil, Gas & Energy - focused private LinkedIn group.

Engage Your Community

ASUG

Oil, Gas & Energy on ASUG: