

Optimizing Denbury's Procurement Process

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Director EAM & SCM

An aerial photograph of a lush green landscape with a winding river. Sun rays are visible in the upper left corner, creating a warm, golden glow over the scene. The text "Carbon Solutions for a Sustainable Future." is overlaid in white, bold, sans-serif font.

Carbon Solutions for a Sustainable Future.

THE VISION:

To be the premier carbon solutions company, leveraging our expertise and extensive infrastructure system to support industrial decarbonization.



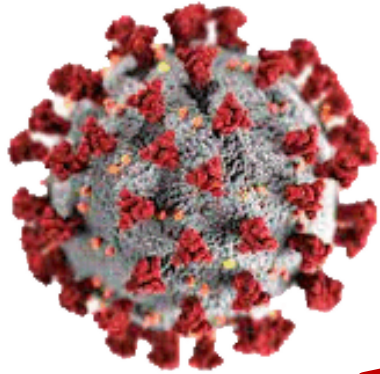
EAM / SCM Mission

The Right People, Parts & Tools
at the Right Place and Time.

2020 – The Year of Opportunity

New Organization – New Goals

- Denbury Restructured its Debt
- Planning / Scheduling & Warehousing Became One Group
- **Covid-19**



ZERO EXCUSES



COVID-19 alert

See top stories and the latest information on coronavirus (COVID-19) prevention, symptoms, and treatment from health authorities >

PROCESS IMPROVEMENT

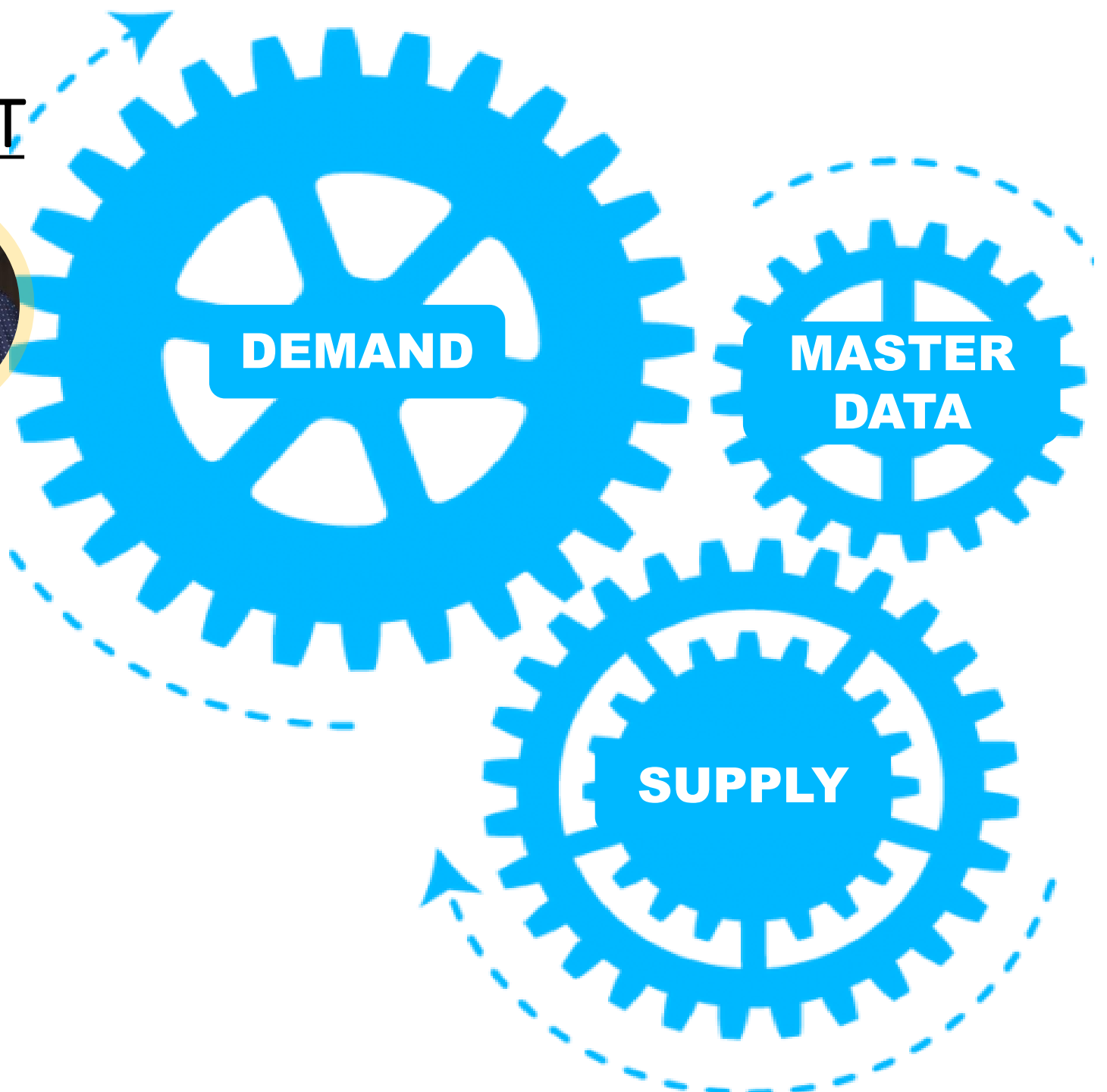


(FUNCTIONAL INTEGRATION TEAM MEETINGS)



DATA DRIVES

- Work Prioritization
- Inventory Management Decisions
 - Inventory Optimization
 - Reduced “Dead Stock”
 - Reduced Administrative Tasks
 - Cash Flow Savings
- Vendor Selection & Management



UNDERSTANDING SUPPLY AND DEMAND MD04

DATES DRIVE DECISIONS

Material

2025479

BUSHING 3/4" M X 1/2" F NPT SS-12-RB-8

Plant

4200

MRP type

PD

Material Type

ERSA

Unit

EA

BRENDAN

Displ. Filter

Selection rule

Individual List

Cross-Plant View

A..	Date	MRP ...	MRP element data	Rescheduli...	E..	Receipt/Reqmt	Available Qty	S...
	11/09/2020	Stock					0	
	11/10/2020	POitem	4300173079/00040			2	2	01
	11/11/2020	OrdRes	000210990452			2	0	01
	11/09/2020	SLocSt	41C SLoc Not Planne				0	41C

Available Inventory




Supply- Driven by PO Delivery Date

Demand- Driven by Work Order Priority

Material Availability Check




















(Our Old Way)

Material Availability Information



Order status

☒ Outst ☒ In procss ☐ Completed ☐ Histor.

Order	<input type="text"/>	to	<input type="text"/>	
Order type	M02	to	<input type="text"/>	
Functional location	<input type="text"/>	to	<input type="text"/>	
Equipment	<input type="text"/>	to	<input type="text"/>	
Material	<input type="text"/>	to	<input type="text"/>	
Serial number	<input type="text"/>	to	<input type="text"/>	
Notification	<input type="text"/>	to	<input type="text"/>	
Maintenance planning plant	<input type="text"/>	to	<input type="text"/>	
Entered by	<input type="text"/>	to	<input type="text"/>	
Date entered	<input type="text"/>	to	<input type="text"/>	
Basic start date	09/11/2023	to	09/30/2023	
Basic finish date	<input type="text"/>	to	<input type="text"/>	
Scheduled start	<input type="text"/>	to	<input type="text"/>	
Scheduled finish	<input type="text"/>	to	<input type="text"/>	
Actual start date	<input type="text"/>	to	<input type="text"/>	
Material (reservation)	<input type="text"/>	to	<input type="text"/>	
Plant (reservation)	<input type="text"/>	to	<input type="text"/>	
Storage Location (reservation)	<input type="text"/>	to	<input type="text"/>	
Scheduled release date	<input type="text"/>	to	<input type="text"/>	
Output variant	<input type="text"/>			

Print

☐ Print immediately
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Number of footer lines

IWBK

Availability list for materials for operations

Exce...	ICT	Order	Order short text	Reqmt Date	Earl.start date	OpAc	Item	Material	Material Description	Received	Reqmt Qty	Unit	Quantity	Qty Withdr.
										67.000	67.000	H	0.000	67.000
											17	JO	0	17
											3	CAN	0	3
										207,905.650	427,646	LB	4,620	207,905.650
										190	190	MI	0	190
										223	353	PAA	24	353
										70	99	PAC	6	94
											21	PL	9	12
										16	30	RL	12	22
				06/06/2023							1	EA	0	0
		L	211676214 replace blow case float assembly Sec 7	09/12/2023		0010	0010	2027127	SWITCH LEVEL DUMP VALVE OPERAT LS200NDVO		1	EA	0	0
				09/05/2023							8	EA	0	8
										200.00		FT	0.00	200.00
		L	211605933 300 scrubber add heat trace and insul	09/15/2023		0010	0050	2067157	HEAT SINK:HT TRACE,15W/FT 240V		100.00	FT	0.00	100.00
		L	300 scrubber add heat trace and insul			0010	0010	2067154	HEAT SINK:RTES ENDSEAL KIT		1	EA	0	1
		L	300 scrubber add heat trace and insul			0010	0020	2067155	TAPE,HEAT TRACING:ALUM,AT-18		1	EA	0	1
		L	300 scrubber add heat trace and insul			0010	0030	2067156	TAPE,HEAT TRACING:FIBRGLASS,PT-66		1	EA	0	1
		L	211605934 180 flare stack bridle and disch line			0010	0040	2067157	HEAT SINK:HT TRACE,15W/FT 240V		100.00	FT	0.00	100.00
		L	180 flare stack bridle and disch line			0010	0050	2058402	KIT POWER CONNECTION		2	EA	0	2
		L	180 flare stack bridle and disch line			0010	0010	2067154	HEAT SINK:RTES ENDSEAL KIT		1	EA	0	1
		L	180 flare stack bridle and disch line			0010	0020	2067155	TAPE HEAT TRACING:ALUM AT-18		1	EA	0	1

Stock/Requirements List as of 11:33 hrs

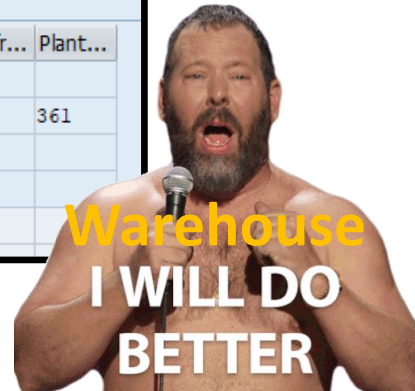
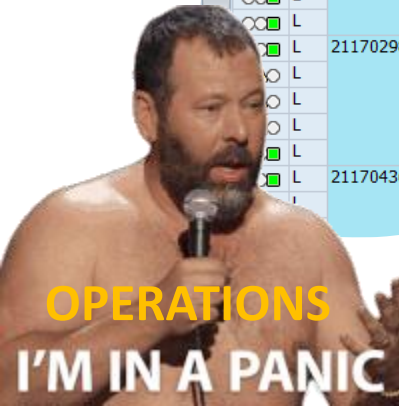
Show Overview Tree

Material SWITCH LEVEL DUMP VALVE OPERAT LS200NDV ...
 Plant MRP type Material Type Unit

Individual List Cross-Plant View

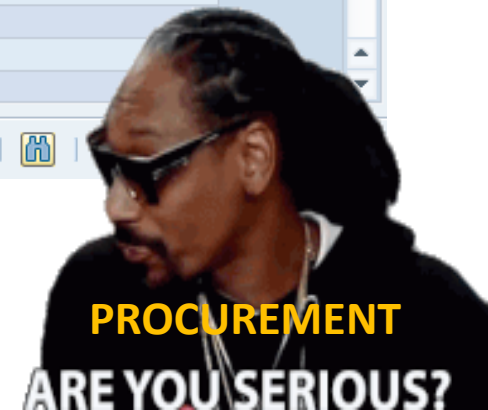
A..	Date	MRP ...	MRP element data	Rescheduli...	E..	Receipt/Reqmt	Available Qty	S...	Work Order Description	Priority fr...	Plant...
	09/11/2023	Stock						0			
	09/12/2023	OrdRes	000211676214			1-		1-01	replace blow case float assemb	Medium	361
	09/11/2023	SLocSt	01C SLoc Not Planne					0 01C			
	09/11/2023	SLocSt	41C SLoc Not Planne					0 41C			

MD04



Let's Dig a Little Deeper

Action Log				
Order: 211676214 Created By JEREMIAH6000 Created On: 04/19/2023				
Date	Time	Subobject	Changed Field	Field contents (new)/(old)
09/11/2023	11:26:12	Order	Basic finish date	09/12/2023
				06/06/2023
			Basic Start Date	09/12/2023
				06/06/2023
			Status	Material shortage
06/05/2023	16:12:01		Reset:	Material committed
				Awaiting Material
				Material committed
			Reset:	In Planning
			Reset:	More Info Needed for Plann
06/05/2023	16:12:00		Basic finish date	06/06/2023
				05/02/2023
			Basic Start Date	06/06/2023
				04/26/2023
			Status	In Planning
04/26/2023	12:20:55			More Info Needed for Planning
			Reset:	Scheduled
			Priority	2
				1
			Revision for Plant Maintenance and Custo	
04/26/2023	12:20:54			23W18
			Basic finish date	05/02/2023
04/26/2023	11:50:52			



There MUST be
a better way...



Remember MD04?

Stock/Requirements List as of 12:08 hrs

Show Overview Tree

Material: 2003179 VALVE BALL 3" 750 RP DUCTILE IRON BODY
Plant: 4200 MRP type: PD Material Type: ERSA Unit: EA 01000165 03/08/23

Displ. Filter Selection rule

Individual List Cross-Plant View

A..	Date	MRP ...	MRP element data	Rescheduli...	E..	Receipt/Reqmt	Available Qty	S...	Work Order Description	Priority fr...	Plant...
	09/11/2023	Stock					0				
	09/16/2023	OrdRes	000211742633			1-	1-41	RD Oil tank Valve	Medium	371	
	09/26/2023	POitem	4300252375/00010	09/16/2023	10	1	0 41				
	09/11/2023	SLocSt	41C SLoc Not Planne				0 41C				

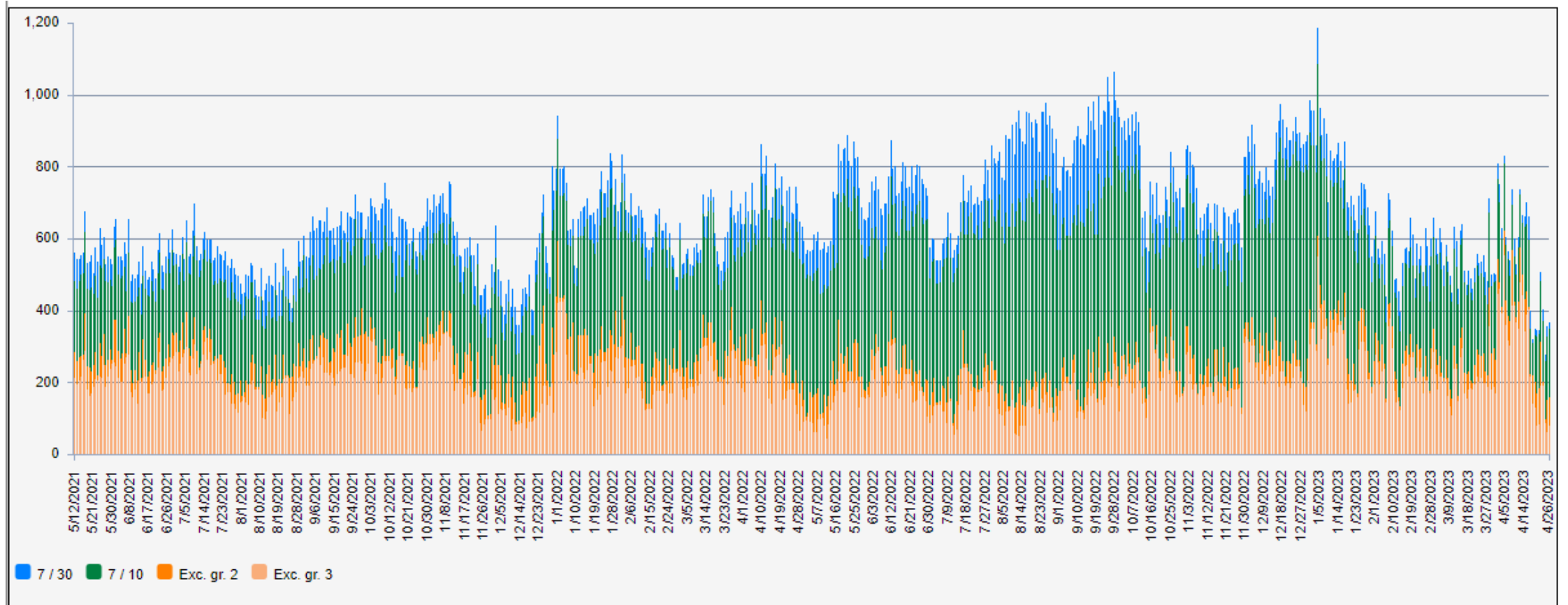
THESE NUMBERS MEAN SOMETHING!

First Things First – Managing By Exception Through STANDARD SAP MRP Exceptions

DAILY FIT STEPS ZMD06			
Step	Task	Group & Exceptions & Transaction	Who Attends? (Required / Optional)
Top Priority (Reactive)	1 Master Data Issues (Before the meeting if possible)	5 & 8	MRP Controller
	2 Review 0:Unschld Emergency & 1: High Priority reservations	MB25- (Layout /WMAT) WMAT by Priority -> ZMD07	MRP Controller, Planner, Foreman, Purch. Coord
Supply Issue Demand Issue Supply Issue Supply/Demand Issue	3 Demand in the Past (Find MRP Elements Tab)	"Find MRP Element" Tab To Date = Today Look at OrderRes Column Only	MRP Controller, Planner, Foreman, Purch. Coord
	4 Start Date in the Past (Planned to Schedule)	2	MRP Controller, Planner, Foreman, Purch. Coord
	5 Finish Date in the Past (Parts are Late)	3	MRP Controller, Planner, Foreman, Purch. Coord
	6 Demand we need to address & Possibly Move WO Dates	7 10/30	MRP Controller, Planner, Foreman, Purch. Coord
Finding Tomorrow's Problems Today (Proactive)	7 Stuff that should have been delivered	"Find MRP Element" Tab To Date = Today Look at PO Item, PurchReq, SubcRqmt	MRP Controller, Planner, Foreman, Purch. Coord
	8 Safety Stock Issues	6	MRP Controller, Planner, Foreman, Purch. Coord
	Reschedule Out (Parts are coming in too soon) 15		
	9 Cancel the PO (Demand is gone) 20	7 15/20	MRP Controller, Planner, Foreman, Purch. Coord
	10 New Proposals	4	MRP Controller, Planner, Foreman, Purch. Coord

* Exceptions Happen When Supply Doesn't Line Up With Demand*

Exception Monitoring 2 Years Later



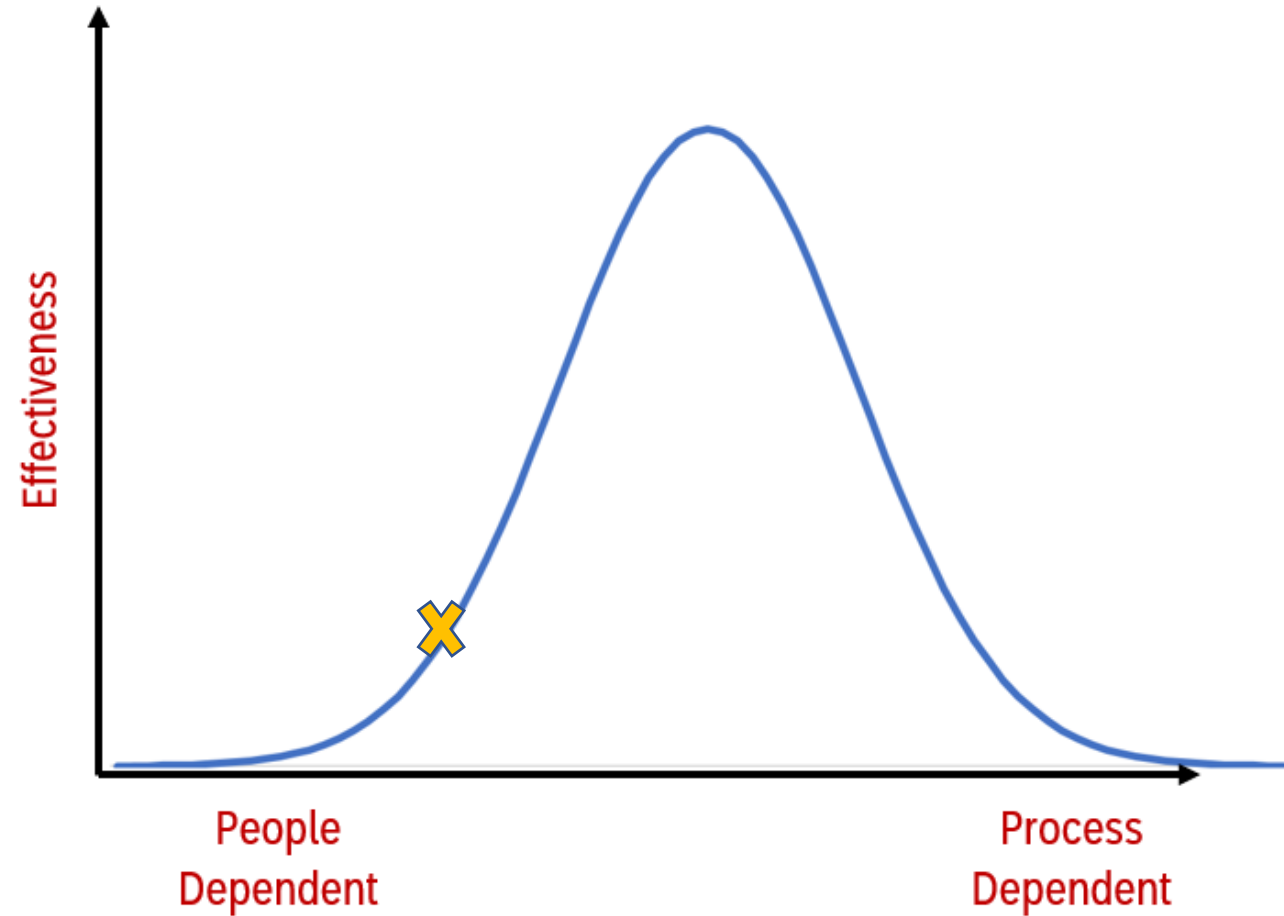


We Still Had Room to Grow



“What if we don’t change at all ...
and something magical just happens?”

Leader's Work



A Typical Procurement Team Meeting



from *Drive*,
by Daniel Pink

Autonomy

To be trusted to do what's best

Thousand Yard Stare

Mastery + Autonomy
No Purpose

*"I leave my soul at the front
door when I come in"*

Replaceable Cog

Autonomy + Purpose
No Mastery

*"I am a warm body sitting in a chair
getting softer every day"*

Motivation
***Autonomy + Mastery
+ Purpose***

Mastery

To manifest special
skills in meaningful
ways

Employee #101010

Mastery + Purpose
No Autonomy

"My job is to do exactly as I am told."

Purpose

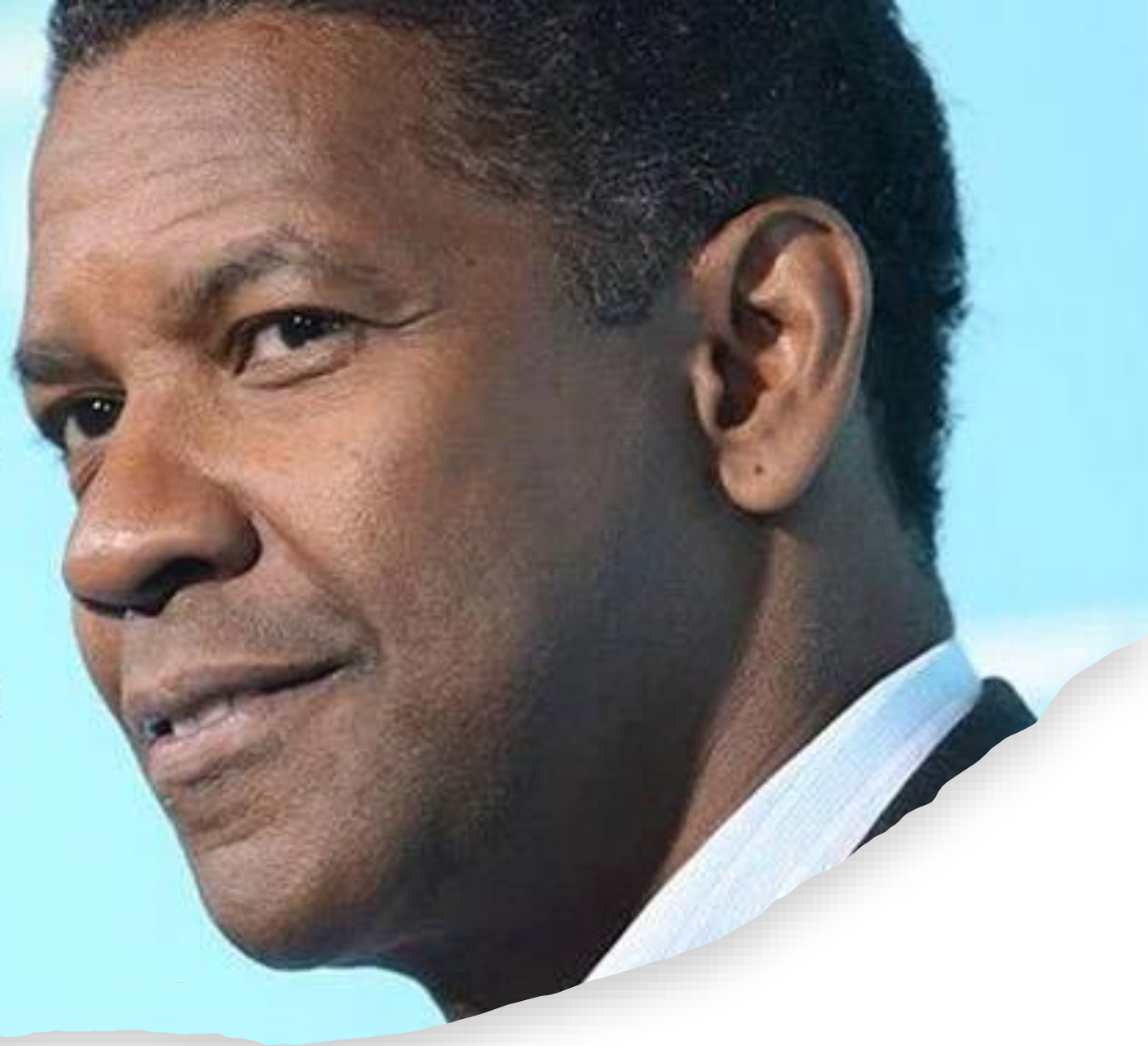
To pursue a worthy
goal, either internal
or external to the
tribe or individual

Soft Skills: They're Important!

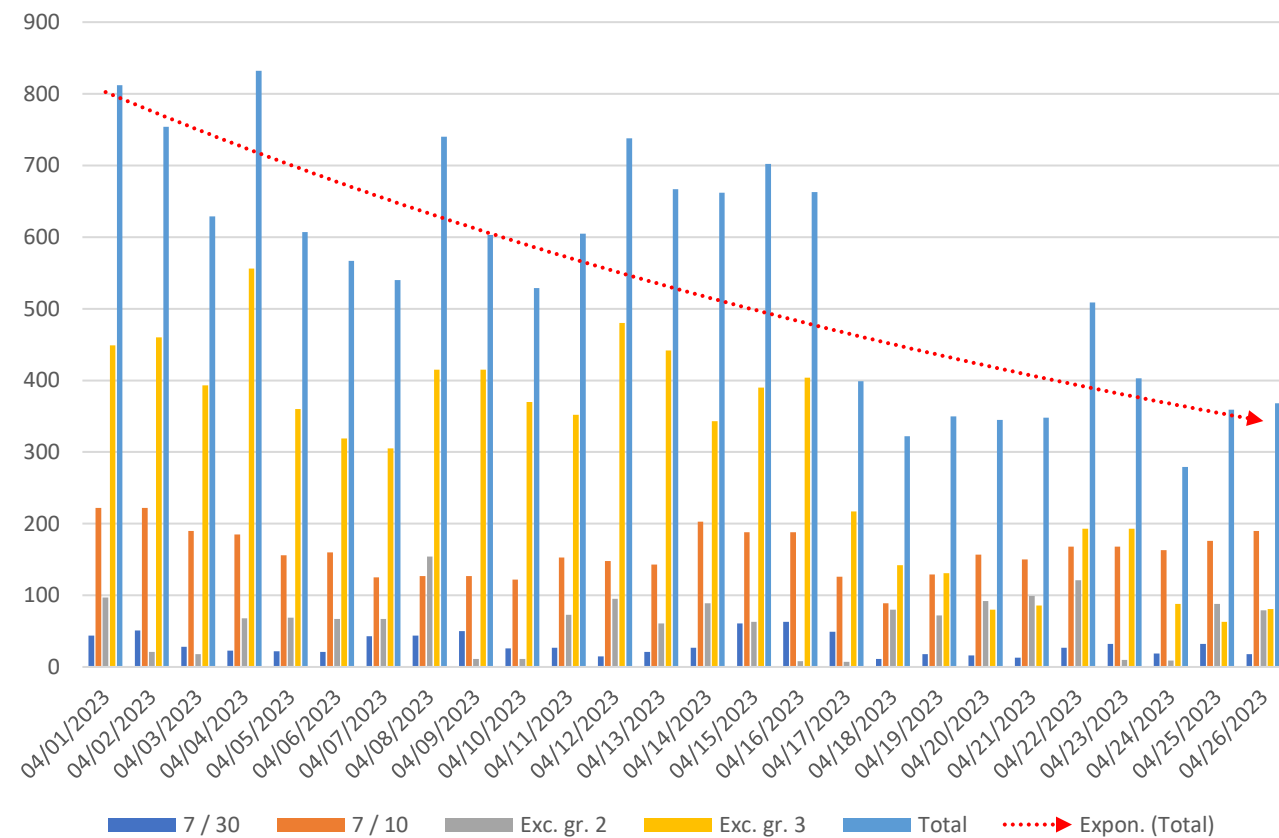


LUCK IS WHEN AN OPPORTUNITY
COMES ALONG AND YOU'RE
PREPARED FOR IT

- Denzel Washington

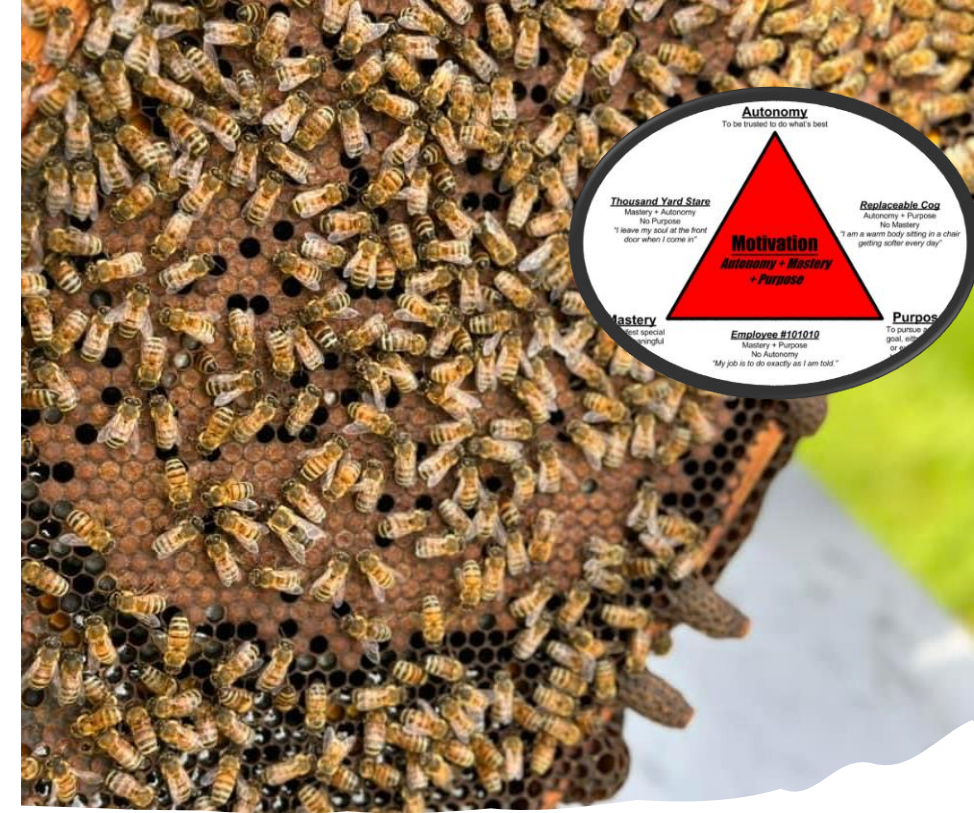


1 Month Later



How We Did it...

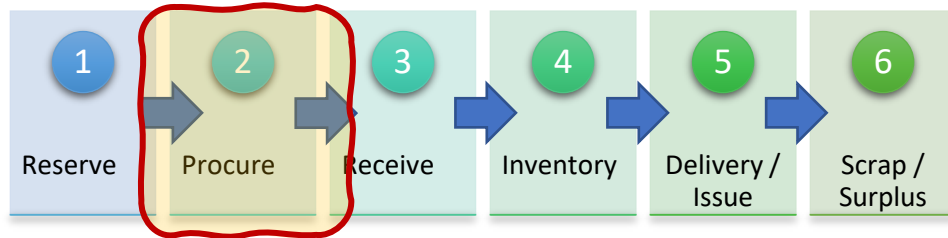




Organize The Chaos

The Standard Materials Management Process

SANCTIONED!



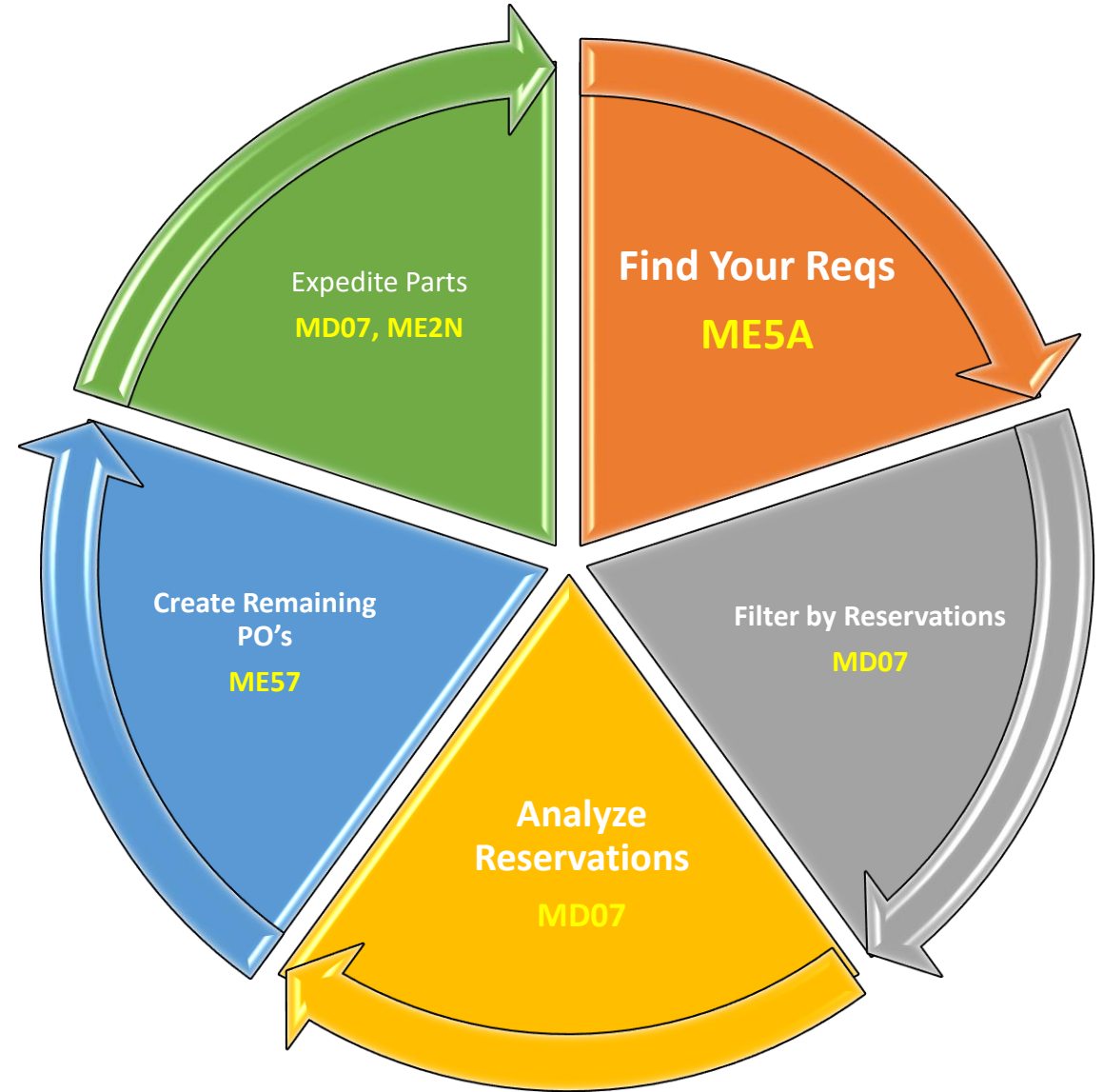
5. Materials Management Requirements

When materials are required to perform work, the following steps must be followed.

- ▶ 5.1. Reservation
- ▶ 5.2. Purchasing
- ▶ 5.3. Goods Receipt
- ▶ 5.4. Inventory Control
- ▶ 5.5. Goods Issue
- ▶ 5.6. Surplus & Unused Materials



Daily Procurement Steps



No.	Release Dt	Req. Date	Purch.Req.	Item	A	RS	Grp	Rel	Material	Short Text	Quantity	Unit	Valn Price
05/25/2023	05/04/2023	100361391	40	F	05	EX	2	2031960	CHEMICAL BIS XC102		5.00	GAL	29.91
05/10/2023	05/05/2023	100361629	90	K	05	EX	2	2029113	CHEMICAL PARAFFIN INHIBITOR PAO23-10		55.00	GAL	19.37
05/08/2023	05/05/2023	100361629	110	K	05	EX	2	2007159	CHEMICAL PARAFFIN INHIBITOR PAO3055-10		55.00	GAL	16.28
05/08/2023	04/28/2023	100360475	10		05	EX	2	2066421	PIPE:WLDDED,12" X 0.688",TRUE SCH 80		200.00	FT	0.01
05/08/2023	04/28/2023	100360476	10		05	EX	2	2066422	FLANGE:RFWN, TRUE SCH80,12",900#		10	EA	0.01
05/08/2023	04/28/2023	100360477	10		05	EX	2	2066423	ELBOW:TRUE SCH80, LR,90 DEG,12" X 0.688"		7	EA	0.01
05/08/2023	04/28/2023	100360478	10		05	EX	2	2066424	TEE:12" X 0.688",TRUE SCH 80		3	EA	0.01
05/08/2023	04/28/2023	100360479	10		05	EX	2	2066425	PIPE:WLDDED,16" X 0.843",TRUE SCH 80		42.00	FT	0.01
05/08/2023	04/28/2023	100360480	10		05	EX	2	2066426	FLANGE:RFWN TRUE SCH80,16",900#		2	EA	0.01
05/08/2023	04/28/2023	100360481	10		05	EX	2	2066427	ELBOW:TRUE SCH80, LR,90 DEG,16" X 0.843"		2	EA	0.01
05/08/2023	04/28/2023	100360482	10		05	EX	2	2066428	REDUCER:CONC, TRUE SCH80,16" X 12"		2	EA	0.01
05/08/2023	05/03/2023	100361116	10		05	EX	2	2066705	TRANSMITTER,PRESSURE:IGP10-T22C1F-M2L1		2	EA	0.01
05/08/2023	05/04/2023	100361304	10					2004690	NIPPLE 1/2"x 4" XXH		24	EA	0.01
05/08/2023	05/04/2023	100361305	10		05	EX	2	2004695	NIPPLE 1"x 3" S160		24	EA	0.01
05/08/2023	05/04/2023	100361306	10					2004883	FLANGE WELDNECK 3" 1500 RTJ S160 CS		12	EA	0.01
05/08/2023	05/04/2023	100361317	10		05	EX	2	2065746	VALVE SOLENOID ASCO 1/4 X 3/32 BRASS		1	EA	190.00
05/08/2023	05/04/2023	100361318	10		05	EX	2	2066592	PAINT:PT,CU/COAT		3	EA	0.01
05/08/2023	05/05/2023	100361583	10					2066729	TAPE,LABEL:CRTRG,1-1/2",30,0.004",VINYL		10	EA	0.01
05/08/2023	05/05/2023	100361585	10					2066743	TANK,STORAGE:BLK DAY,30 GAL,CS		1	EA	0.01
05/08/2023	05/05/2023	100361586	10					2066744	STAND:BLK STAND F/ 30 GAL DAY TNK W/ STR		1	EA	0.01
05/08/2023	05/06/2023	100361700	10					2004783	GAUGE,INDUST 4"FACE 2000 PSI 1/2"		20	EA	82.00
05/08/2023	05/06/2023	100361701	10					2030794	WIRING DEVICE, RECEPTACLE 20A 125V IVORY		10	EA	1.80
05/08/2023	05/06/2023	100361702	10					2065556	DRILL BIT, KLEIN 53112 1/4 JOBBER		6	EA	4.71
05/08/2023	05/06/2023	100361703	10					2065557	DRILL BIT, KLEIN 53120 3/8 JOBBER		6	EA	8.11
05/08/2023	05/04/2023	100361248	10		05	EX	2	2052660	PADLOCK BRASS KEYED ALIKE 2-3/4" SHACKLE		35	EA	10.87

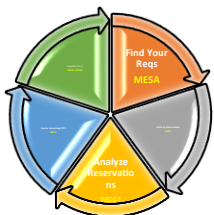
STEP 1:

Find Your Requisitions (We Use ME5a)



Open Requisition List in ME5A

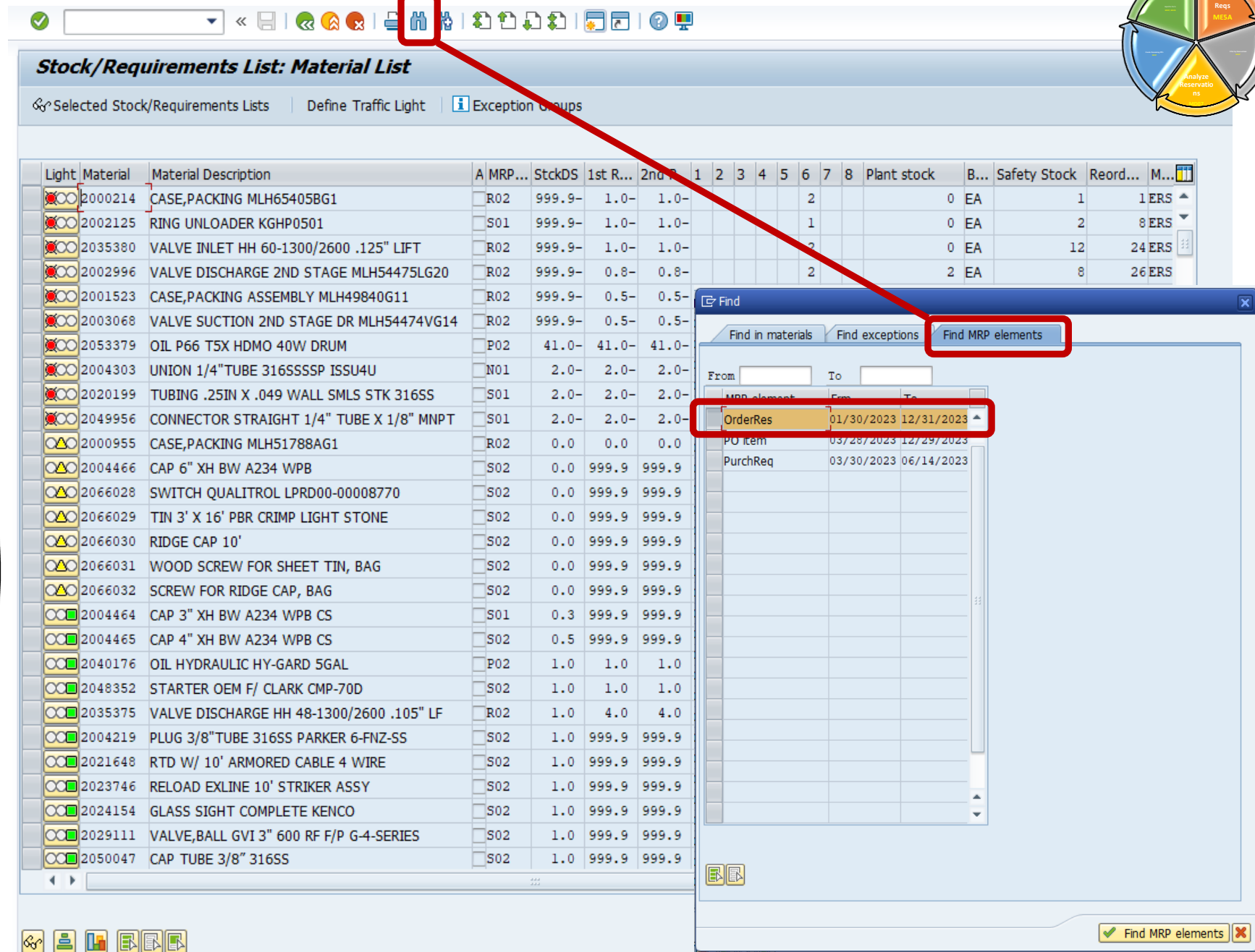
- Copy all MID's from ME5A and paste into **ZMD07**
 - We created a Z transaction to add Materials on the selection Screen.
 - You can skip this step and go to MD07 as well.



Step 2: Paste Your MIDs from Step 1 in MD07

- Filter out Order Reservations

Filter by
Reservations
MD07



The screenshot shows the SAP Stock/Requirements List: Material List interface. A red box highlights the 'Find MRP elements' button in the 'Find' dialog. A red arrow points from this button to the 'OrderRes' entry in the 'Find MRP elements' table. The table also shows 'PO Item' and 'PurchReq' entries with their respective date ranges.

Light	Material	Material Description	A MRP...	StckDS	1st R...	2nd R...	1	2	3	4	5	6	7	8	Plant stock	B...	Safety Stock	Reord...	M...
	2000214	CASE,PACKING MLH65405BG1	R02	999.9-	1.0-	1.0-						2			0	EA	1	1	ERS
	2002125	RING UNLOADER KGHP0501	S01	999.9-	1.0-	1.0-						1			0	EA	2	8	ERS
	2035380	VALVE INLET HH 60-1300/2600 .125" LIFT	R02	999.9-	1.0-	1.0-						2			0	EA	12	24	ERS
	2002996	VALVE DISCHARGE 2ND STAGE MLH54475LG20	R02	999.9-	0.8-	0.8-						2			2	EA	8	26	ERS
	2001523	CASE,PACKING ASSEMBLY MLH49840G11	R02	999.9-	0.5-	0.5-													
	2003068	VALVE SUCTION 2ND STAGE DR MLH54474VG14	R02	999.9-	0.5-	0.5-													
	2053379	OIL P66 T5X HDMO 40W DRUM	P02	41.0-	41.0-	41.0-													
	2004303	UNION 1/4" TUBE 316SSSP ISSU4U	N01	2.0-	2.0-	2.0-													
	2020199	TUBING .25IN X .049 WALL SMLS STK 316SS	S01	2.0-	2.0-	2.0-													
	2049956	CONNECTOR STRAIGHT 1/4" TUBE X 1/8" MNPT	S01	2.0-	2.0-	2.0-													
	2000955	CASE,PACKING MLH51788AG1	R02	0.0	0.0	0.0													
	2004466	CAP 6" XH BW A234 WPB	S02	0.0	999.9	999.9													
	2066028	SWITCH QUALITROL LPRD00-00008770	S02	0.0	999.9	999.9													
	2066029	TIN 3' X 16' PBR CRIMP LIGHT STONE	S02	0.0	999.9	999.9													
	2066030	RIDGE CAP 10'	S02	0.0	999.9	999.9													
	2066031	WOOD SCREW FOR SHEET TIN, BAG	S02	0.0	999.9	999.9													
	2066032	SCREW FOR RIDGE CAP, BAG	S02	0.0	999.9	999.9													
	2004464	CAP 3" XH BW A234 WPB CS	S01	0.3	999.9	999.9													
	2004465	CAP 4" XH BW A234 WPB CS	S02	0.5	999.9	999.9													
	2040176	OIL HYDRAULIC HY-GARD 5GAL	P02	1.0	1.0	1.0													
	2048352	STARTER OEM F/ CLARK CMP-70D	S02	1.0	1.0	1.0													
	2035375	VALVE DISCHARGE HH 48-1300/2600 .105" LF	R02	1.0	4.0	4.0													
	2004219	PLUG 3/8" TUBE 316SS PARKER 6-FNZ-SS	S02	1.0	999.9	999.9													
	2021648	RTD W/ 10' ARMORED CABLE 4 WIRE	S02	1.0	999.9	999.9													
	2023746	RELOAD EXLINE 10' STRIKER ASSY	S02	1.0	999.9	999.9													
	2024154	GLASS SIGHT COMPLETE KENCO	S02	1.0	999.9	999.9													
	2029111	VALVE,BALL GVI 3" 600 RF F/P G-4-SERIES	S02	1.0	999.9	999.9													
	2050047	CAP TUBE 3/8" 316SS	S02	1.0	999.9	999.9													

Find MRP elements

From	To
01/30/2023	12/31/2023
03/28/2023	12/29/2023
03/30/2023	06/14/2023

Find MRP elements

Step 3: Analyze The Data



- Compare Available Stock to the Demand Date.
- If we need the materials for the reservation & the Lead time works, cut the PO... **NOW!**
- If the Lead Time Doesn't Work- It's Time to **HUSTLE!** (Step 3a)

Stock/Requirements List as of 12:52 hrs

Hide Overview Tree

Material: 2052660 PADLOCK BRASS KEYED ALIKE 2-3/4" SHACKLE
 Plant: 4300 MRP type: PD Material Type: ERS Unit: EA

Displ. Filter: Selection rule:

A.	Date	MRP ...	MRP element data	Reschedul...	E.. Receipt/Reqmt	Available Qty	S..	Work Order Description	Priority...	Plant...
05/08/2023	Stock					0				
05/09/2023	OrdRes	000211651897			35	35-36		transformer and gate locks rus	High	011
05/26/2023	PurRqs	0100361248/00010	05/09/2023	30	35	0	01			

**Analyze
Reservations**

(Create PO's When
Lead Times Work!)

MD07

Step 3a-Prioritize Lead Time & Sourcing Issues to Category Managers & Local Leadership.



List Display of Purchase Requisitions

Tracking...	Purch.Req.	Item	A	RS	Grp	Rel	Material	Short Text	Quantity	Unit	Valn Price	Total Value	Matl Group	Requested By
URGENT	100350609	10	F	05	EX	2	2065675	Analyzer Portable H2S CO2 XLE 106 1-4	1	EA	0.01	0.01	HSE_M002	Donnie Perry
	100359495	10					2046851	VALVE DUMP 90 2" RF FLG COATED	6	EA	0.01	0.06	VALVE	MRO On-Dema
SEE NOTES	100318897	10	K	02	CC	2		Tandem Axle Trailer 14,000lb	1	EA	7,150.00	7,150.00	HEAVYEQU	Billye
	100357840	10					2066306	WASHER:PARTS - DRUM MNT	6	EA	0.01	0.06	INSTRUMEN	MRO On-Dema
	100359496	10					2047648	VALVE DUMP 90 4" DFA-401-455 INVALCO	1	EA	1,695.00	1,695.00	VALVE	MRO On-Dema
	100359766	10					2048863	VALVE DUMP 90 3" 150 RF FLG VITON	1	EA	1,383.75	1,383.75	VALVE	MRO Stocked
SEE NOTE	100359768	10					2051345	COUPLING:1-3/16" X 1-1/2" IN 4,SS	2	EA	460.00	920.00	PART_PUMP	MRO Stocked
	100358352	10					2066362	CROSSOVER:238-1/2" X 89-1/2" X 33-1/2"	2	EA	0.01	0.02	TOOLS	MRO On-Dema
	100358559	10					2066394	BOLT:FIN NK,1/2" THRD,1-1/4" OAL,1-1/4"	20	EA	0.01	0.20	FITTINGS	MRO On-Dema
	100359726	10					2066477	VALVE,SAFETY:8400 SER VAPOR,2",THRDED	1	EA	320.93	320.93	PART_VALV	MRO On-Dema
CAP	100359478	10					2066355	TUBING:HEAT EXCHNGR,3/4" DIAM	1	EA	12,950.00	12,950.00	HEATXCHNG	MRO On-Dema
	100359561	10					2066421	PIPE:WLDED,12" X 0.688",TRUE SCH 80	200.00	FT	0.01	2.00	LINEPIPE	MRO On-Dema
	100359562	10					2066422	FLANGE:RFWN, TRUE SCH80,12",900#	10	EA	0.01	0.10	FITTINGS	MRO On-Dema
	100359563	10					2066423	ELBOW:TRUE SCH80, LR,90 DEG,12" X 0.688"	7	EA	0.01	0.07	FITTINGS	MRO On-Dema
	100359564	10					2066424	TEE:12" X 0.688",TRUE SCH 80	3	EA	0.01	0.03	FITTINGS	MRO On-Dema
	100359565	10					2066425	PIPE:WLDED,16" X 0.843",TRUE SCH 80	42.00	FT	0.01	0.42	LINEPIPE	MRO On-Dema
	100359566	10					2066426	FLANGE:RFWN TRUE SCH80,16",900#	2	EA	0.01	0.02	FITTINGS	MRO On-Dema
	100359567	10					2066427	ELBOW:TRUE SCH80, LR,90 DEG,16" X 0.843"	2	EA	0.01	0.02	FITTINGS	MRO On-Dema
	100359568	10					2066428	REDUCER:CONC, TRUE SCH80,16" X 12"	2	EA	0.01	0.02	FITTINGS	MRO On-Dema
	100358804	10					2061109	THREADOLET U 2" X 4" - 6" CLASS 3000	2	EA	11.16	22.32	FITTINGS	MRO On-Dema
	100359552	10					2039486	ADAPTER 4-1/4" CIBA PIN X 3" XH BW SS CP	2	EA	634.15	1,268.30	FITTINGS	MRO Stocked
	100359554	10					2034337	MRO On-Dema	2	EA	255.75	511.50	FITTINGS	MRO Stocked

Display Purchase Req. 100350609

Document Overview On | Personal Setting

Purch.requis. Stand. 100350609

Header

St...	Item	A	I	Material	Short Text	Quantity	Unit	Val. Price	Delivery Date	Matl Group	Plant	Stor. Loc.	PGr	Requisnr.	Des.Vendr	Fixed Vendor	Ver
	10	F		2065675	Analyzer Portable H2S CO...	1	EA	0.01	05/02/2023	Safety supp...	WEST REGI...	CONROE ...	W...	Donnie Pe...	10700658		

Item [10] 2065675 , Analyzer Portable H2S CO2 X...

Material Data | Quantities/Dates | Valuation | Account Assignment | Source of Supply | Status | Contact Person | Release strategy | Texts | Delivery Address

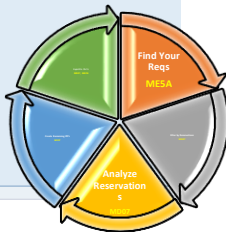
Created by Tracy Jewett | Changed on 04/20/2023

Crea. Ind. Production order

Requisitioner Donnie Perry | Tracking Number URGENT

Purch. Group W01 West Region | Telephone 936-231-7000

MRP Controller S02 MRO On-Demand | Telephone



Visibility Drives Accountability

List Display of Purchase Requisitions

Tracking Number	PGR	Plant	SLoc	MRPCn	Desired Vendor	Fixed Vendor	Name of Vendor	Priority	Reserv.No.	Release Dt	Req. Date	User stat.	Purch.Req.	Item A	RS Grp	Rel	Material	Short Text
QTE PEND		W01	4100	01	S02	KIES SOLUTIONS INC				05/23/2023	04/20/2023		100359213	10			2003442	VALVE BALL 2" 2000
QTE PEND		W01	4100	01	S01	KIES SOLUTIONS INC				05/23/2023			100359216	10			2020386	VALVE,CHECK 1/4" FF
SEE NOTES		N01	4200	01	S01					05/23/2023	05/03/2023		100361015	10			2051703	BASKET STRAINER 2"
SEE NOTES		N01	4200	01	S01					05/22/2023	05/05/2023		100361543	10			2039486	ADAPTER 4-1/4" CIB
SEE NOTES		E01	4300	36	S02					05/22/2023			100361583	10			2066729	TAPE,LABEL:CRTRG,1
SEE NOTE		E01	4000	01	S02					05/22/2023	05/10/2023		100362025	10			2022418	CARTRIDGE LABEL T
SEE NOTES		E01	4000	01	S02					05/22/2023			100362026	10			2066729	TAPE,LABEL:CRTRG,1
URGENT		W01	4100	01	S02					05/30/2023	05/13/2023		100362678	10			2066815	SCREEN:ALLWLED,4
URGENT		E01	4300	36	S02					05/22/2023	05/16/2023		100362895	10			2066870	FILTER,GAS:SEPRTN,
URGENT		E01	4300	36	S02					05/22/2023			100362896	10			2066871	FILTER:CPLG GUARD
URGENT		W01	4100	01	S01					05/22/2023	05/17/2023		100362999	10			2020418	VALVE,BALL LK HDL 2
URGENT		W01	4100	01	S02					05/22/2023			100363002	10			2037522	VLV BL 1/2" THD 5M
URGENT		E01	4000	43	S01					05/22/2023			100363102	10			2039973	UNIT NETWORK INT
URGENT		TUB	4000		P01					05/23/2023	05/18/2023		100363172	10			2061176	10' X 2-3/8" L-80 TS8
URGENT		E01	4000		S01					05/22/2023	05/20/2023		100363481	10			2039977	DISCRETE INPUT 24V
URGENT		E01	4000		S01					05/22/2023			100363482	10			2039999	CARRIER I/O BX STY
URGENT		W01	4100	01	S01					05/23/2023			100363486	10			2024229	PIPE 2" CS SHC 80 W
URGENT		W01	4100	01	S01					05/31/2023			100363494	10			2037653	VALVE BALL 3" 1500 I
URGENT		W01	4100	01	S02					06/07/2023			100363509	10			2066980	VALVE,CHECK:SWNG,
URGENT		W01	4100	01	S02					05/22/2023	05/22/2023		100363588	10			2023448	VALVE CHECK SWING
URGENT		W01	4100	01	S02					05/23/2023			100363581	10			2028431	Ppe 1" 0.179" CS SMI
URGENT		W01	4100	01	S02					05/23/2023			100363583	10			2032362	PIPE 4" 0.237" CS SM
URGENT		W01	4100	01	S02					05/23/2023			100363584	10			2038280	PIPE 3" 580 CS ERW
URGENT		N01	4200	69	P02	HOMAX OIL SALES INC	1070061064	HOMAX OIL SALES INC	6:Fix...	05/23/2023	05/23/2023	SCHD	100341313	70 F	10 EX	2	2041343	P66 EL MAR LA4 40 E
URGENT		E01	4300	36		GRAINGER	1070052361	GRAINGER	1:High	05/23/2023		WMAT	100346461	80 F	05 EX	2	TK84729128T	Impact
URGENT		E01	4300	36		GRAINGER	1070052361	GRAINGER	1:High	05/23/2023		WMAT	100346461	90 F	05 EX	2	TK84729129T	Impact
URGENT		CAP	4300	36PF		STUART C IRBY CO	1070007333	STUART C IRBY CO	6:Fix...	05/23/2023		SCHD	100360909	90 F	15 EX	2	AB 95057C-PTCTWT	
URGENT		W01	4100	01	S01	KIES SOLUTIONS INC				05/23/2023			100363661	10			2029026	VALVE NEEDLE 1/2" 6
URGENT		W01	4100	01	S02					05/23/2023			100363669	10			2055189	MODULE EXPANSION
URGENT		W01	4100	01	S02					05/23/2023			100363671	10			2058613	SCADAPACK 350
URGENT		N01	4200	41	S01		1070064236	ARCHROCK SERVICES-Parts & Svcs O.		05/23/2023			100363686	10			2044156	FILTER LO SPIN-ON
URGENT		N01	4200	41	S01		1070064236	ARCHROCK SERVICES-Parts & Svcs O.		05/23/2023			100363689	10			2053233	FILTER DUPLEX ARIE
URGENT		N01	4200	41	S01		1070064236	ARCHROCK SERVICES-Parts & Svcs O.		05/23/2023			100363692	10			2020129	KIT FILTER LUBRICA
URGENT		E01	4000	01	S02	DNOW LP	1070008300	DNOW LP	3:Low	05/23/2023		WMAT	100363737	30 F	05 EX	2	2003474	FLANGE WELDNECK 3
URGENT		E01	4000	01	S02	DNOW LP	1070008300	DNOW LP	3:Low	05/23/2023		WMAT	100363737	40 F	05 EX	2	2004426	REDUCER CONCENTR
URGENT		E01	4000	01	S02	DNOW LP	1070008300	DNOW LP	3:Low	05/23/2023		WMAT	100363737	50 F	05 EX	2	2034421	NIPPLE 2" X 12" TBE
URGENT		E01	4000	01	S02	DNOW LP	1070008300	DNOW LP	3:Low	05/23/2023		WMAT	100363737	60 F	05 EX	2	2003450	VALVE BALL 2" 50004
URGENT		E01	4000	01	N01	DNOW LP	1070008300	DNOW LP	3:Low	05/23/2023		WMAT	100363737	70 F	05 EX	2	2028451	THREDOLET 1/2" X
URGENT		E01	4000	01	S01	DNOW LP	1070008300	DNOW LP	3:Low	05/23/2023		WMAT	100363737	80 F	05 EX	2	2034402	NIPPLE 1/2" X 6" XH
URGENT		E01	4000	01	S02	DNOW LP	1070008300	DNOW LP	3:Low	05/23/2023		WMAT	100363737	90 F	05 EX	2	2003411	VALVE,BALL 1/2" 500
URGENT		N01	4200		S02					12806650	05/23/2023		100363754	10			2053198	PUMP CHEMICAL TW
URGENT		N01	4200		S02					12806651	05/23/2023		100363755	10			2053198	PUMP CHEMICAL TW
URGENT		W01	4100	01	S02					05/25/2023			100363667	10			2038489	PIPE 6" S120 CS GR-E



Ready To Go!
Purchasing Officers

You Have
Officially
Prioritized
Reqs.







STEP 4 GO FAST!:

Group Remaining Requisitions & Cut PO's in ME57

- These **lower priority** requisitions will be for:
 - Reorder Points / Safety Stock
 - PO's that will be on time (if not already cut)



Assign and Process Purchase Requisitions


Icons: [Clock] [Printer] [List Icon] [Home Icon]


Purchase requisition	[Yellow Box]	to	[Box]	[Icon]
Purchasing group	[Red Box] TUB	to	[Box]	[Icon]
Material	[Box]	to	[Box]	[Icon]
Material group	[Box]	to	[Box]	[Icon]
Requirement tracking number	[Box]	to	[Box]	[Icon]
Scope of List	ALV			
Plant	[Box]	to	[Box]	[Icon]
Document Type	[Box]	to	[Box]	[Icon]
Item Category	[Red Box] D	to	[Box]	[Icon]
Account Assignment Category	[Box]	to	[Box]	[Icon]
Delivery Date	[Box]	to	[Box]	[Icon]
Release Date	[Box]	to	[Box]	[Icon]
Materials Planner/Controller	[Red Box] R*	to	[Box]	[Icon]
Processing Status	[Box]	to	[Box]	[Icon]
Fixed Vendor	[Box]	to	[Box]	[Icon]
PReq. processing state	[Box]	to	[Box]	[Icon]
Blocking indicator	[Box]	to	[Box]	[Icon]
Requisitioner	[Box]			
Short Text	[Long Box]			
Sort Indicator	1			


☒ Assigned Purchase Requisitions
☒ Also List Held PReqs
☐ Closed Requisitions
☒ "Partly Ordered" Requisitions
☒ Released Requisitions Only
☒ Requisitions for Overall Release
☒ Requisitions for Item-Wise Release


How We Run ME57


Assign and Process Purchase Requisitions

Purchase requisition to 


Purchasing group to 


Material to 


Material group to 


Requirement tracking number to 


Scope of List


Plant to 


Document Type to 


Item Category to 


Account Assignment Category to 


Delivery Date to 


Release Date to 

Materials Planner/Controller to 

Processing Status to 

Fixed Vendor to 

PReq. processing state to 

Blocking indicator to 

Requisitioner

Short Text

Sort Indicator

☒ Assigned Purchase Requisitions

☒ Also List Held PReqs


☐ Closed Requisitions


☒ "Partly Ordered" Requisitions


☒ Released Requisitions Only


☒ Requisitions for Overall Release


☒ Requisitions for Item-Wise Release


Cost Center to 


WBS Element to 


Order to 


Asset to 

Asset Subnumber to 

Network to 

Operation number to 

Sales Order to 

Sales Order Item to 

Next Steps...

AUTOMATION

- Annual Programs (PM & Spares)
- Outline / Purchase Price Agreements
- Source Lists
- Hourly MRP Runs Followed up By Auto PO Run
- *Invite me back and I'll Tell this story next year!*



↖
Tim

That's it.

Really!



Now...
WATCH THIS!



Step 5: Run MD07 & Expedite Materials

Stock/Requirements List: Material List

Selected Stock/Requirements Lists | Define Traffic Light | Exception Groups

Light	Material	Material Description	A MRP...	StkDS	1st R	2nd R	1	2	3	4	5	6	7	8	Plant stock	R	Safety...	Reord	M	P..	S.
	2021420	PUMP OIL MAIN DR MLH65341BG1	<input type="checkbox"/>	S01	999.9-																
	2025313	VALVE, CRAB - OAHM6011	<input type="checkbox"/>	S01	999.9-																
	2039939	BOLT MACHINE J644P05D	<input type="checkbox"/>	S01	999.9-																
	2039977	DISCRETE INPUT 24VDC POS/NEG IC200MDL640	<input type="checkbox"/>	S01	999.9-																
	2039993	FILTER 25MM 592x592x650MM 250A6983P0001	<input type="checkbox"/>	S01	999.9-																
	2039999	CARRIER I/O BX STYLE COMPACT IC200CHS022	<input type="checkbox"/>	S01	999.9-																
	2007093	OIL SUMMIT NGL-888 BULK	<input type="checkbox"/>	S01	100.0-																
	2066973	FITTING,PIPE:3" 600 WLDNK 316 RF S160	<input type="checkbox"/>	S02	12.0-																
	2065938	GASKET FLEX 12" 150#	<input type="checkbox"/>	S02	7.0-																
	2063063	PROP (FAN HUB & BLADES) HAYDEN TTA-430	<input type="checkbox"/>	S02	5.0-																
	2066840	GASKET:ENARDO 660 HATCH,8",VITON 70-H	<input type="checkbox"/>	S02	5.0-																
	2059838	VALVE MINI 1/4" MxM	<input type="checkbox"/>	S02	4.0-																
	2004698	NIPPLE 1/2" X 3" TBE S80 CS SMLS	<input type="checkbox"/>	S02	1.0-																
	2007089	OIL:SUM FLUSHING,56053FLSH000813	<input type="checkbox"/>	S02	0.0																
	2029113	CHEMICAL PARAFFIN INHIBITOR PAO23-10	<input type="checkbox"/>	S02	0.0																
	2044383	CHEMICAL CORR/PARAFFIN INHIB PAO3091-10	<input type="checkbox"/>	S02	0.0																
	2044384	CHEMICAL PAR DISPER PAO104-10	<input type="checkbox"/>	S02	0.0																
	2044385	CHEMICAL SCAL SEQUESTANT SRW4950	<input type="checkbox"/>	S02	0.0																
	2052664	CHEMICAL CORROSION INHIBITOR CRW-3743	<input type="checkbox"/>	S02	0.0																
	2058053	CHEMICAL EMULSION BREAKER DMO7132	<input type="checkbox"/>	S02	0.0																
	2021922	WIPER PACKING KIT B-6308-K	<input type="checkbox"/>	S02	1.0																
	2023746	RELOAD EXLINE 10' STRIKER ASSY	<input type="checkbox"/>	S02	1.0																
	2004334	GASKET,RTJ R26 316SS 2"2500R-26-S-316SS	<input type="checkbox"/>	S02	2.0																
	2006361	SLEEVE SHAFT GOULDS 73705X-2229	<input type="checkbox"/>	S02	2.0																
	2022418	CARTRIDGE LABEL TAPE INDOOR/OUTDOOR	<input type="checkbox"/>	S02	2.0																
	2026208	O-RING 412A IMPELLOR C02495A28 6359	<input type="checkbox"/>	S02	2.0																
	2032462	SEAL,MECH 1-3/4" TUNG/SIL/AFLAS BIG BORE	<input type="checkbox"/>	S02	2.0																
	47950	CHEMICAL HERBICIDE 30 GAL	<input type="checkbox"/>	S02	2.0																

Find

Find in materials | Find exceptions | Find MRP elements

E..	E..	Exception Message	Nu...
2	06	Start date in the past	4
3	06	Finish date in the past	5
6	96	Stock fallen below safety stock level	6
7	10	Reschedule in	17
7	15	Reschedule out	47
7	20	Cancel process	16
7	30	Plan process according to schedule	4

Find exceptions

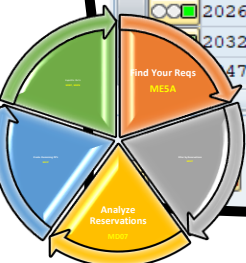
Expedite Parts
MD07, ME2N

Exception Groups

3- Delivery Date is Already in the Past & You have Demand!

7 – You’re inside your lead time!

HUSTLE!



Here's the Short List!

Stock/Requirements List as of 17:36 hrs


Hide Overview Tree | Sng-item, multi-ml | Sng-itm, interactive | MD04 | Planned order (SPO) | MIGO

Material: 2021420 | PUMP OIL MAIN DR MLH65341BG1
Plant: 4000 | MRP type: PD | Material Type: ERSA | Unit: EA

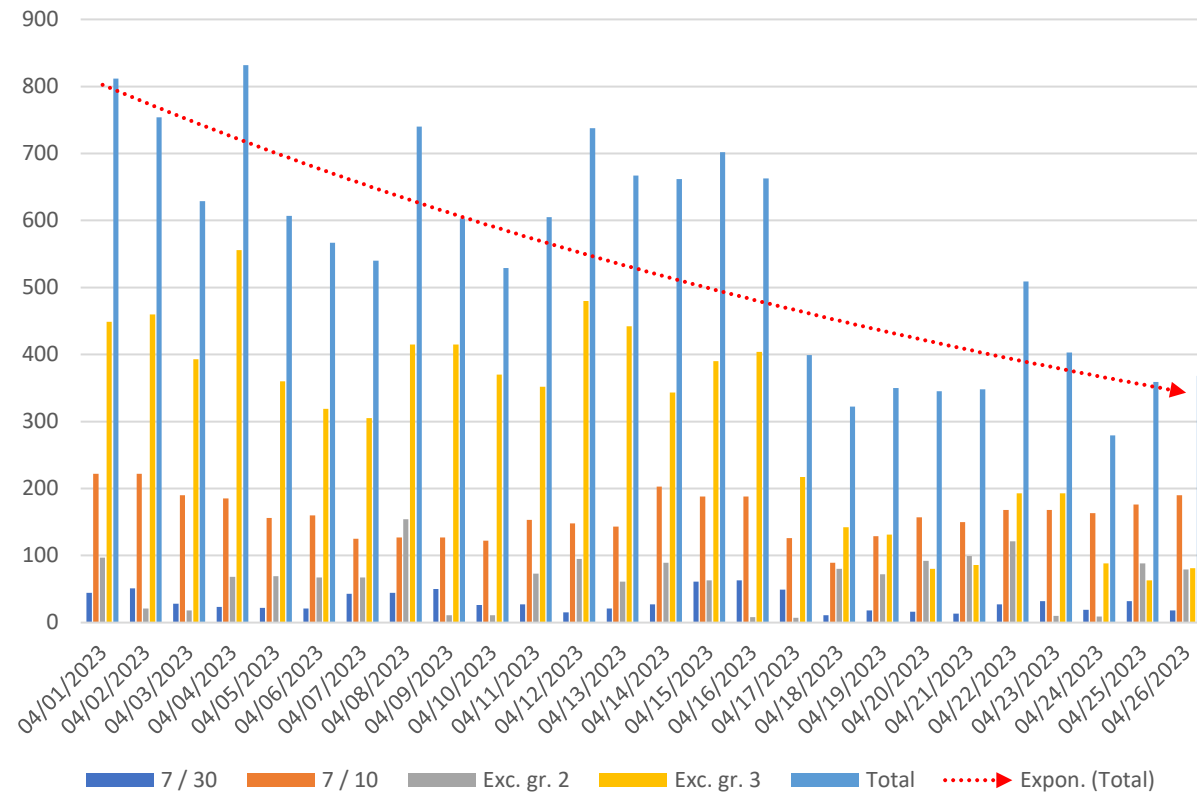
Displ. Filter: | Selection rule: |

Individual List | Cross-Plant View

A..	Date	MRP ...	MRP element data	Rescheduli...	E..	Receipt/Reqmt	Available Qty	S..	Vendor	Vendor name	W..	P
	05/24/2023	Stock			96			0				
	05/24/2023	SafeSt	Safety Stock			1-		1-				
	10/30/2023	POItem	4300242093/00010	05/24/2023	10	1		0	01	1070061864	REAGAN POWER & COMPRESSI...	

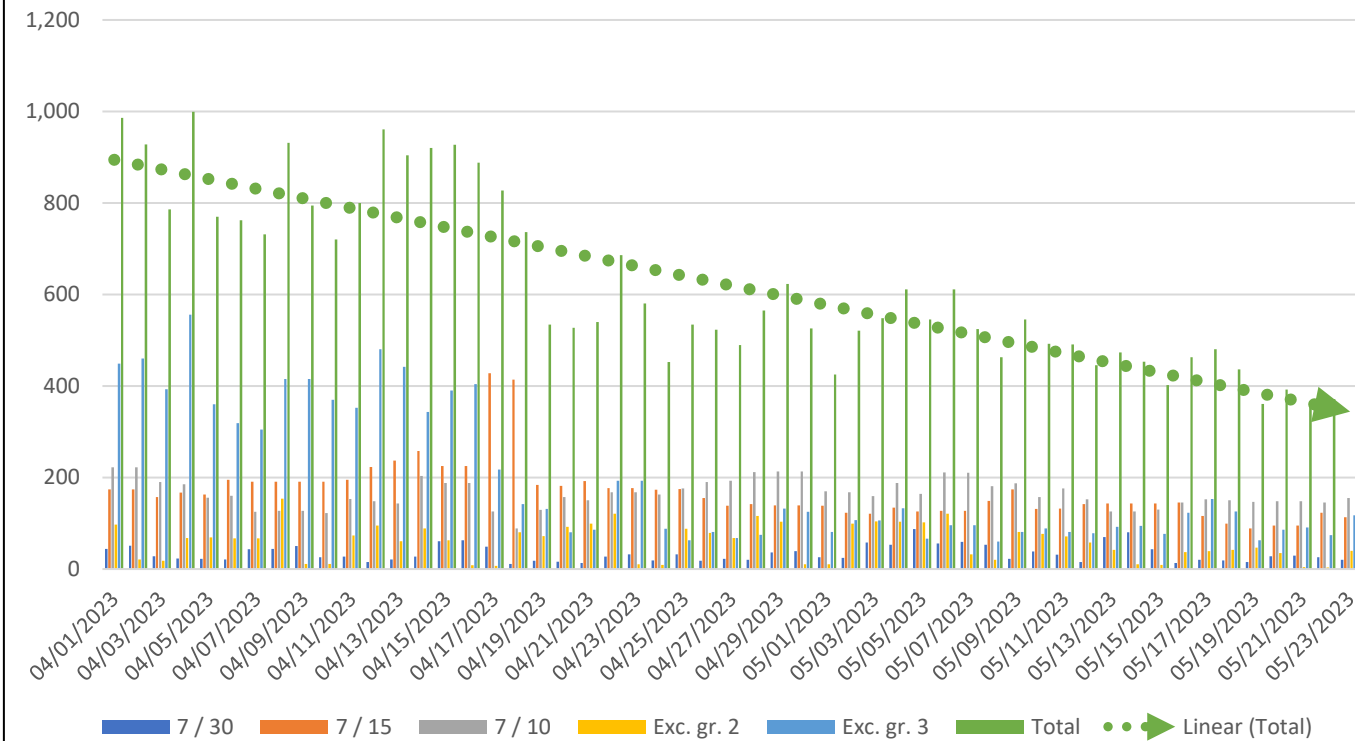


This Actually Happened in 30 Days



Here's a 60 Day Look

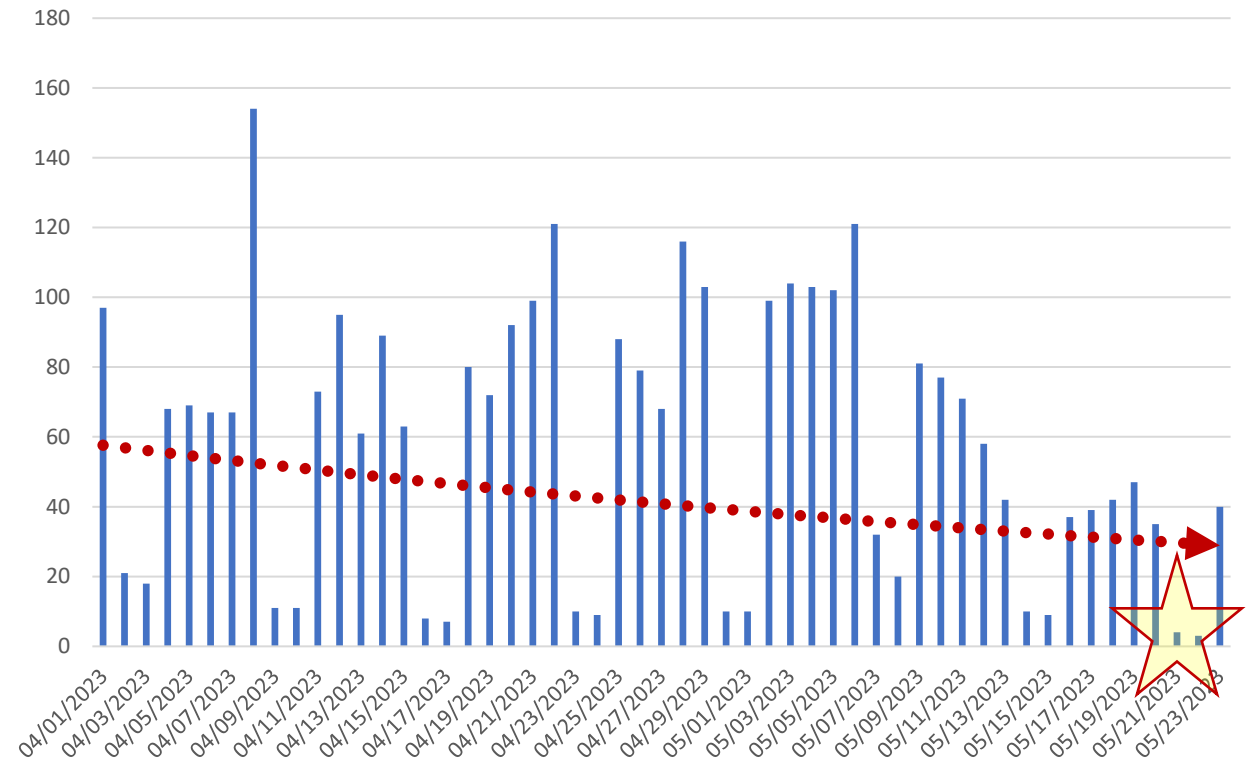
MRP Exceptions



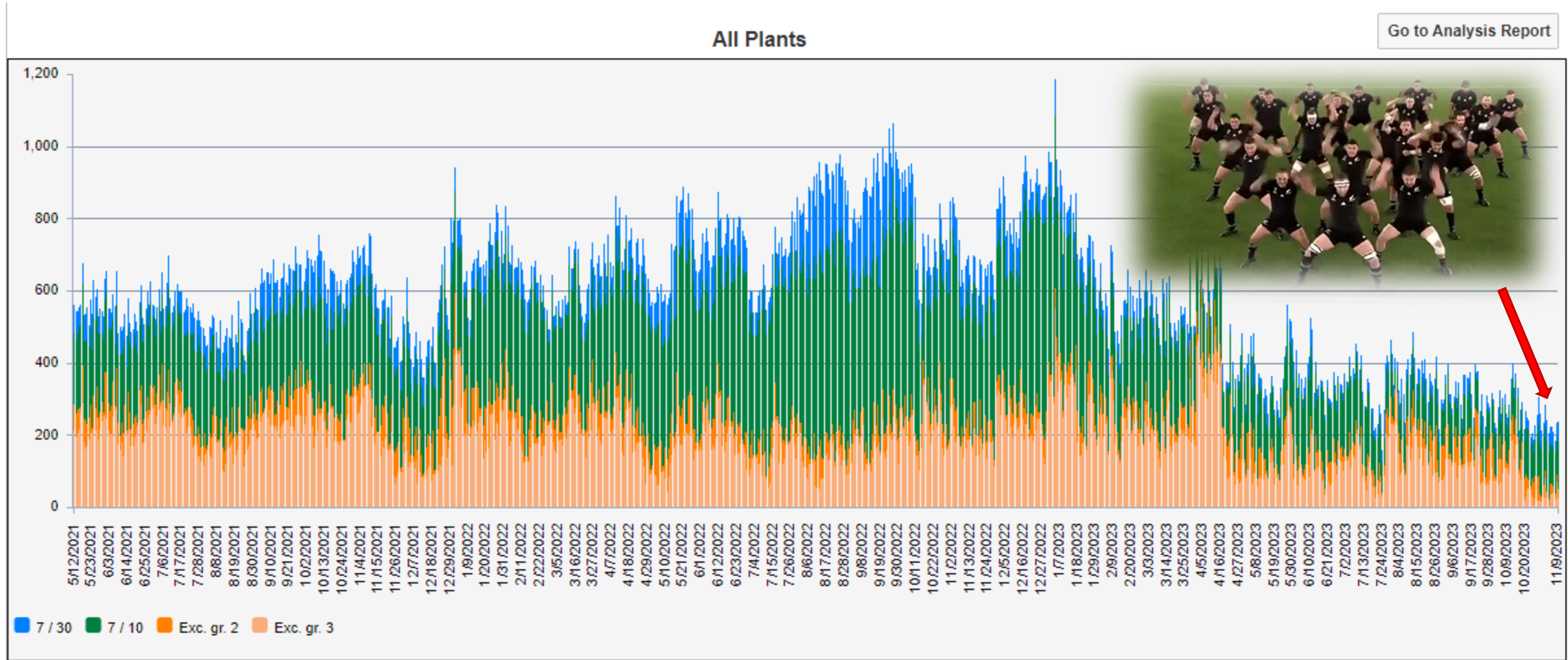
LATE ORDERS



MRP Group 2 – Late Orders



11.09.23 EXCEPTION REPORT



BOB'S YOUR UNCLE!

How to Connect with Me

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Phone: +1-214-535-9242

LinkedIn: www.linkedin.com/in/justin-lester