

## Role Based MRP DEEP DIVE

Justin Lester

Director EAM/ SCM Denbury Inc.

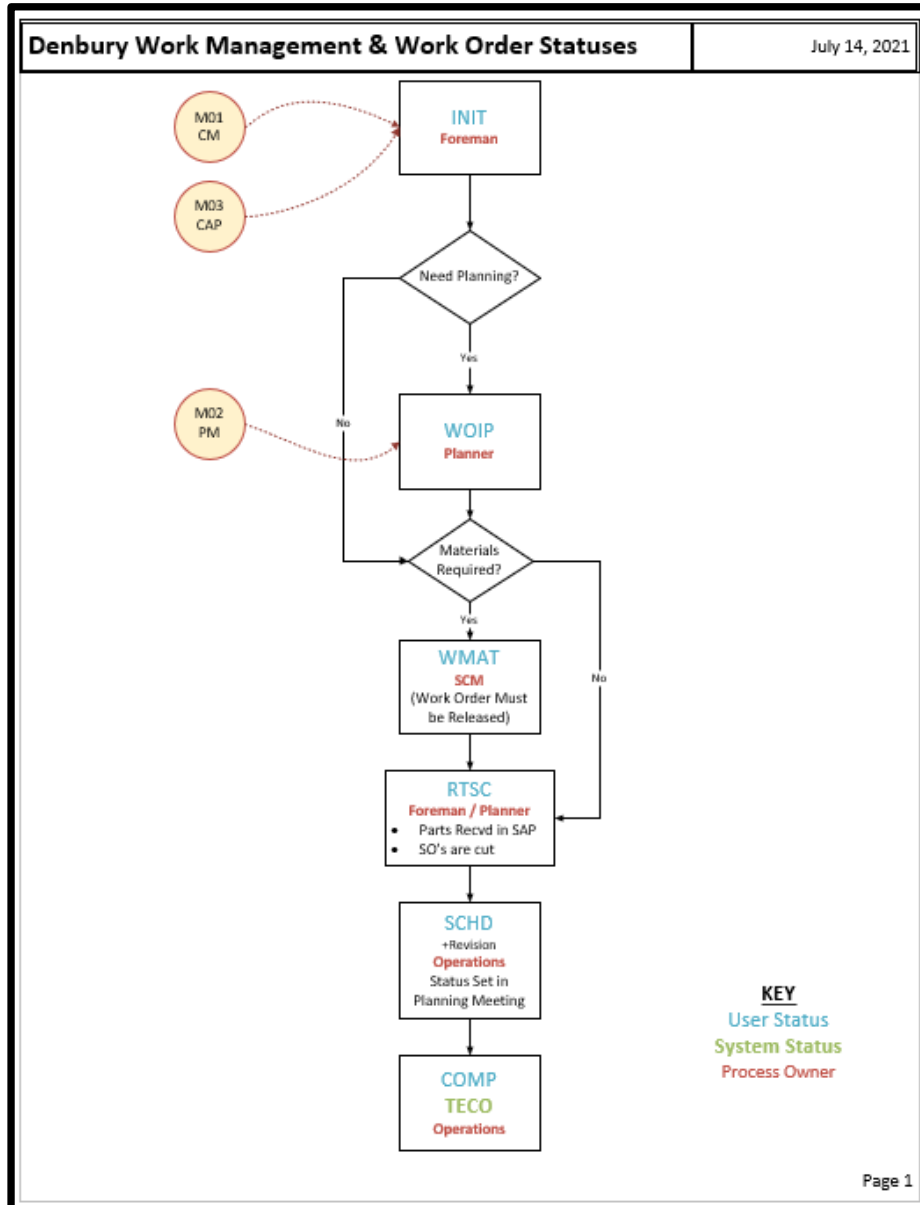
Tim McLain

COO Global Director Missing Link

## Groundwork

- Standard Work Management Process
- Standard MM Process

# Standard Work Management Process & User Statuses



Order Edit Goto Extras Environment System Help

**Change Denbury Corrective Maintenance WO 211309878: Central Header**

Order M01 211309878 Hofa 48 Discharge line repair  
Sys.Status CLSD PCNF GMPS MACM PRC SETC COMP DEFE SCHB

HeaderData Operations Components Costs Partner Objects Additional Data Location Planning Control Enhancement

Person responsible  
PlannerGrp W90 / 4100 MANVEL  
Mn.wk.ctr GC MTCE / 4100 Gulf Coast Mainten...

Notifcn 111152762  
Costs 0.00 USD  
PMActType RPR Repair/Corrective  
SystCond.  
Address

Dates  
Bsc start 04/20/2022 07:00 Priority Unschld Emergency  
Basic fn. 04/21/2022 09:15 Revision 22W17

Reference object  
Func. Loc. 41-03-404-PS-HOF HOFA #48 Saltwater Station  
Equipment  
Assembly

Malfnctn data Damage Notif. dates  
Malfnctn start 04/12/2022 06:43:39 Breakdown  
Malfnctn End 00:00:00 Breakdown dur. 0.00 H

First operation  
Operation Hofa 48 Discharge line repair Cckey Calculate work  
WkCtr/Pnt GC MTCE / 4100 Ctrl key PM01 Acty Type MAINT PRT  
Work durtn 0.0 H Number 0 Oprtn dur. 0.0 H Comp.  
Person. no 0 Hold Onshore

**Display user status**

User Status with Status Number

| X                     | N. | Sta... | StatusText        |
|-----------------------|----|--------|-------------------|
| <input type="radio"/> | 05 | INIT   | Created           |
| <input type="radio"/> | 10 | WOIP   | In Planning       |
| <input type="radio"/> | 15 | HOLD   | On Hold           |
| <input type="radio"/> | 20 | CANC   | Canceled          |
| <input type="radio"/> | 22 | WMAT   | Awaiting Material |

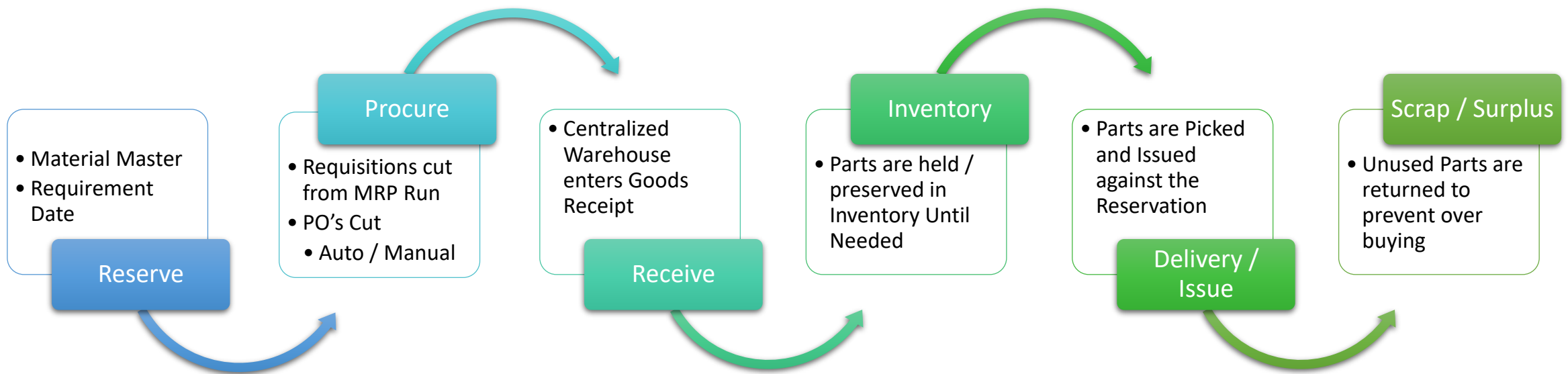
User Status Without Status Number

| X                        | Sta... | StatusText                    |
|--------------------------|--------|-------------------------------|
| <input type="checkbox"/> | INFO   | More Info Needed for Planning |
| <input type="checkbox"/> | ANP1   | P1 5 days                     |
| <input type="checkbox"/> | ANP2   | P2 90 Days                    |
| <input type="checkbox"/> | ANP3   | P3 180 Days                   |
| <input type="checkbox"/> | ANP4   | P4 > 180 days                 |

**This Gives Direction to the Procurement & Supply Chain Team!**



## Our Standard Materials Management Process



# Why Use Inventory & Material Masters?

## Procurement

- Quick and Reliable History
- Opens the door to standard Reports that Simplify Purchasing
- Allows us to **Automate Purchasing** via Source Lists and Outline Agreements
- History Allows us to Identify Inventory Items to Remove the Noise!

## Maintenance

- Centralized Shipping & Receiving Locations
- We **KNOW** the Parts are available to do work
- Inventory can be cycle counted and **relied** on
- Reduce the “Honey Holes” & **WASTED SPEND**



# BUT- They Always Mess Up My Order!

**Make sure you communicate!**

- Non-Substitutable Parts
- Enough Info to Create a Solid & Clear PO Text on the Material Master
- **DON'T** correct the PO and forget about the Material Master
  - This will update the Maintenance Plans & BOMs
- This allows you to influence your source **FOREVER!**



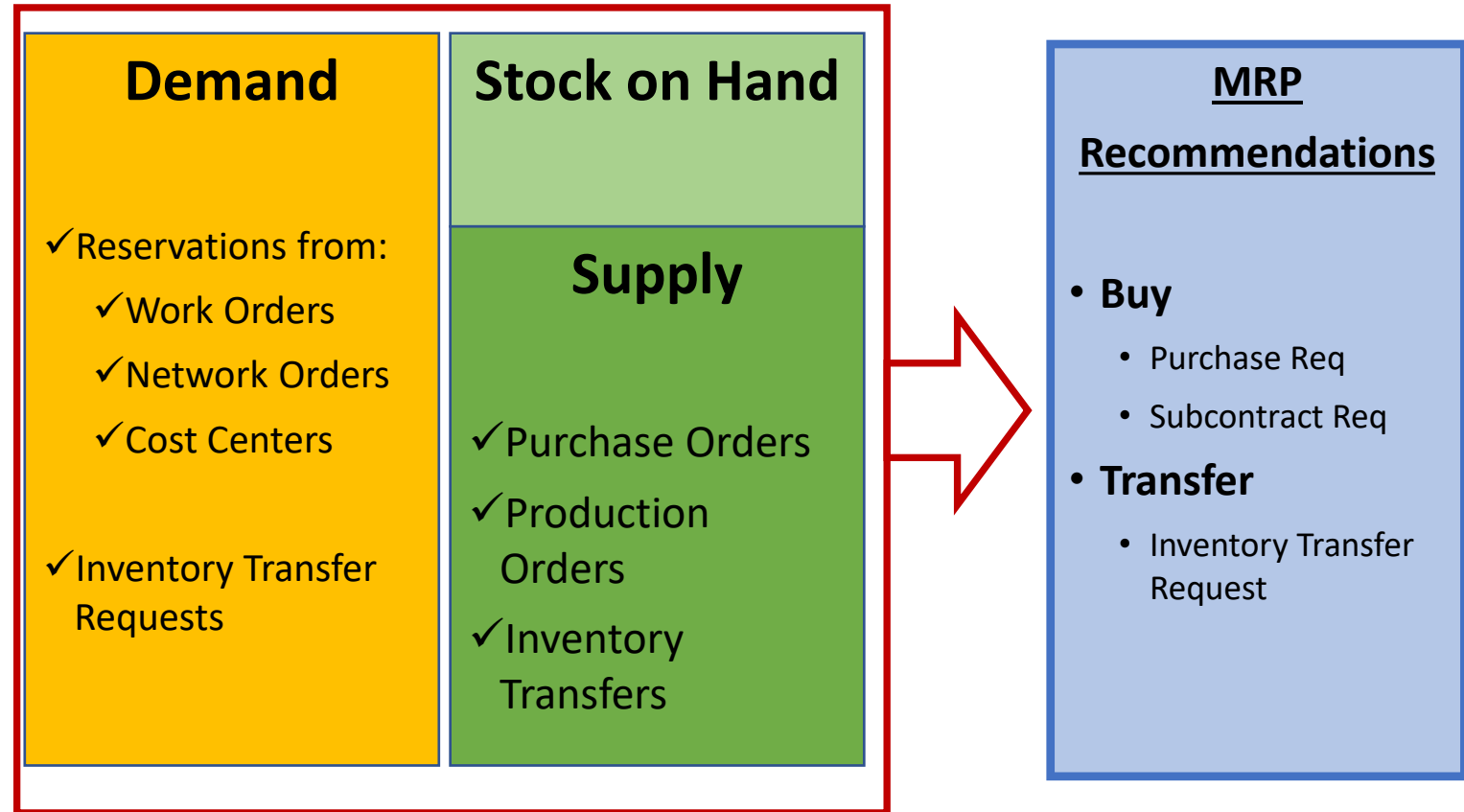
**#TEAMWORKMAKESTHEDREAMWORK!**

## LET'S DIVE IN!





# What is Materials Requirements Planning (MRP)?





FROM THIS CHAOS...

| Reservation List Inventory Management |             |      |            |            |      |            |     |   |          |             |           |      |
|---------------------------------------|-------------|------|------------|------------|------|------------|-----|---|----------|-------------|-----------|------|
| Res                                   | Reservation | Item | Re         | Reqmt      | Date | Created on | MyT | D | Material | Requirement | Quantity  | Unit |
|                                       | 12380491    | 100  | 08/23/2022 |            |      | 311        | H   |   | 2062470  | 14,400.00   | 14,400.00 | FT   |
|                                       | 12692347    | 100  | 02/05/2023 |            |      | 311        | H   |   | 2052050  | 11,500.00   | 11,500.00 | FT   |
|                                       | 12810886    | 1    | 09/01/2023 | 05/28/2023 |      | 261        | H   |   | 2007093  | 550.00      | 550.00    | GAL  |
|                                       | 12841285    | 3    | 10/01/2023 | 08/07/2023 |      | 261        | H   |   | 2007093  | 550.00      | 550.00    | GAL  |
|                                       | 12841341    | 1    | 10/13/2023 | 08/06/2023 |      | 261        | H   |   | 2007093  | 1,100.00    | 1,100.00  | GAL  |
|                                       | 12830293    | 1    | 10/31/2023 | 09/06/2023 |      | 281        | H   |   | 2067470  | 5           | 5         | EA   |
|                                       | 12876499    | 1    | 09/11/2023 | 261        | H    | 2035606    |     |   |          | 1           | 1         | EA   |
|                                       | 12876499    | 2    | 09/11/2023 | 261        | H    | 2035607    |     |   |          | 1           | 1         | EA   |
|                                       | 12888003    | 1    | 09/12/2023 | 261        | H    | 2035606    |     |   |          | 1           | 1         | EA   |
|                                       | 12888003    | 2    | 09/12/2023 | 261        | H    | 2035607    |     |   |          | 1           | 1         | EA   |
|                                       | 12911955    | 1    | 10/18/2023 | 261        | H    | 2041827    |     |   |          | 1           | 1         | EA   |
|                                       | 12916668    | 1    | 10/31/2023 | 261        | H    | 2067892    |     |   |          | 1           | 1         | EA   |
|                                       | 12295369    | 1    | 11/01/2023 | 09/22/2022 |      | 261        | H   |   | 2063808  | 1           | 1         | EA   |
|                                       | 12587020    | 24   | 06/30/2023 | 281        | H    | 2067403    |     |   |          | 20          | 20        | EA   |
|                                       | 12595209    | 112  | 08/22/2023 | 261        | H    | 2004812    |     |   |          | 10          | 10        | EA   |
|                                       | 12595209    | 121  | 10/12/2023 | 261        | H    | 2020888    |     |   |          | 4           | 4         | EA   |
|                                       | 12722859    | 6    | 07/18/2023 | 261        | H    | 2062470    |     |   |          | 7,000.00    | 7,000.00  | FT   |
|                                       | 12723029    | 154  | 10/18/2023 | 261        | H    | 2007088    |     |   |          | 12          | 12        | CS   |
|                                       | 12723034    | 12   | 10/02/2023 | 261        | H    | 2036275    |     |   |          | 48          | 24        | EA   |
|                                       | 12787070    | 3    | 05/03/2023 | 261        | H    | 2066686    |     |   |          | 1           | 1         | EA   |
|                                       | 12787070    | 4    | 05/03/2023 | 261        | H    | 2053282    |     |   |          | 1           | 1         | EA   |
|                                       | 12788550    | 1    | 04/25/2023 | 261        | H    | 2062481    |     |   |          | 458.92      | 458.92    | FT   |
|                                       | 12788550    | 3    | 07/18/2023 | 261        | H    | 2062470    |     |   |          | 7,347.27    | 6,394.27  | FT   |
|                                       | 12801864    | 1    | 09/21/2023 | 261        | H    | 2068145    |     |   |          | 1           | 1         | EA   |
|                                       | 12827163    | 1    | 09/15/2023 | 261        | H    | 2067530    |     |   |          | 1           | 1         | EA   |
|                                       | 12827164    | 1    | 09/15/2023 | 261        | H    | 2067530    |     |   |          | 1           | 1         | EA   |
|                                       | 12875694    | 1    | 09/10/2023 | 261        | H    | 2007093    |     |   |          | 1,100.00    | 1,100.00  | GAL  |
|                                       | 12895422    | 1    | 09/28/2023 | 261        | H    | 2051356    |     |   |          | 1           | 1         | EA   |
|                                       | 12907941    | 1    | 10/26/2023 | 261        | H    | 2043346    |     |   |          | 3           | 3         | EA   |
|                                       | 12912062    | 1    | 10/19/2023 | 261        | H    | 2036793    |     |   |          | 1           | 1         | EA   |
|                                       | 12912062    | 2    | 10/19/2023 | 261        | H    | 2036794    |     |   |          | 1           | 1         | EA   |
|                                       | 12915726    | 1    | 10/31/2023 | 261        | H    | 2068619    |     |   |          | 1           | 1         | EA   |
|                                       | 11864982    | 9    | 11/02/2023 | 261        | H    | 2044737    |     |   |          | 2           | 2         | EA   |
|                                       | 12595211    | 30   | 04/24/2023 | 261        | H    | 2066455    |     |   |          | 20          | 20        | EA   |
|                                       | 12623926    | 37   | 10/13/2023 | 261        | H    | 2032502    |     |   |          | 80.00       | 80.00     | FT   |
|                                       | 12723029    | 107  | 09/13/2023 | 261        | H    | 2048177    |     |   |          | 1           | 1         | EA   |
|                                       | 12723029    | 127  | 10/04/2023 | 261        | H    | 2054669    |     |   |          | 6           | 2         | EA   |
|                                       | 12736181    | 17   | 10/25/2023 | 261        | H    | 2033040    |     |   |          | 85          | 85        | EA   |
|                                       | 12778650    | 13   | 06/29/2023 | 261        | H    | 2067316    |     |   |          | 1           | 1         | EA   |
|                                       | 12787182    | 1    | 04/21/2023 | 261        | H    | 2046851    |     |   |          | 2           | 2         | EA   |

| List Display of Purchase Requisitions |     |       |      |            |            |      |        |            |      |    |    |     |
|---------------------------------------|-----|-------|------|------------|------------|------|--------|------------|------|----|----|-----|
| TrackingNo                            | PGR | Plant | SLOC | Release Dt | Req. Date  | User | Status | Purch.Req. | Item | A  | RS | Grp |
| URGENT                                | N01 | 4200  | 01   | 09/15/2023 | 09/13/2023 |      |        | 100379183  | 10   | 05 | IN | 2   |
| HOLD                                  | N01 | 4200  | 01   | 09/20/2023 | 08/25/2023 |      |        | 100376875  | 10   | 05 | IN | 2   |
| RFQ OUT                               | N01 | 4200  | 01   | 10/02/2023 | 08/02/2023 |      |        | 100372913  | 10   | 15 | IN | 2   |
| RFQ OUT                               | N01 | 4200  | 01   | 10/20/2023 | 10/12/2023 |      |        | 100382972  | 10   | 10 | IN | 2   |
| 6000725                               | N01 | 4200  | 01   | 10/23/2023 | 10/23/2023 |      |        | 100384500  | 10   | 05 | IN | 2   |
| 6000800                               | N01 | 4200  | 01   | 10/25/2023 | 10/25/2023 |      |        | 100384725  | 10   | 05 | IN | 2   |
|                                       | 001 | 4200  | 13   | 10/26/2023 | 10/26/2023 | COMP | RSTK   | 100341317  | 170  | F  | 05 | EX  |
|                                       | 001 | 4200  | 13   | 10/26/2023 | 10/26/2023 | COMP | RSTK   | 100341317  | 180  | F  | 05 | EX  |
| HOLD                                  | N01 | 4200  | 67   | 10/27/2023 | 10/27/2023 |      |        | 100385038  | 10   | 05 | IN | 2   |
| RFQ OUT                               | N01 | 4200  | 67   | 10/27/2023 | 10/27/2023 |      |        | 100385043  | 10   | 05 | IN | 2   |
| RFQ OUT                               | N01 | 4200  | 01   | 10/27/2023 | 10/27/2023 |      |        | 100385062  | 10   | 05 | IN | 2   |
| RFQ OUT                               | N01 | 4200  | 67   | 10/27/2023 | 10/27/2023 |      |        | 100385066  | 10   | 05 | IN | 2   |
| 6000763                               | E01 | 4200  | 69   | 10/27/2023 | 10/27/2023 |      |        | 100385071  | 10   | 05 | IN | 2   |
|                                       | N01 | 4200  | 67   | 10/30/2023 | 10/21/2023 |      |        | 100384346  | 10   | 10 | IN | 2   |
| 6000860                               | N01 | 4200  | 01   | 10/28/2023 | 10/28/2023 |      |        | 100385186  | 10   | 05 | IN | 2   |
| RFQ OUT                               | N01 | 4200  | 01   | 10/28/2023 | 10/28/2023 |      |        | 100385198  | 10   | 05 | IN | 2   |
| 6000673                               | N02 | 4200  | 01   | 10/28/2023 | 10/28/2023 |      |        | 100385222  | 10   | 05 | IN | 2   |
| 6000673                               | N02 | 4200  | 01   | 10/28/2023 | 10/28/2023 |      |        | 100385223  | 10   | 05 | IN | 2   |
| 6000673                               | N02 | 4200  | 01   | 10/28/2023 | 10/28/2023 |      |        | 100385224  | 10   | 05 | IN | 2   |
| 6000673                               | N02 | 4200  | 01   | 10/28/2023 | 10/28/2023 |      |        | 100385225  | 10   | 05 | IN | 2   |
| 6000673                               | N02 | 4200  | 01   | 10/28/2023 | 10/28/2023 |      |        | 100385226  | 10   | 05 | IN | 2   |
| 6000673                               | N02 | 4200  | 01   | 10/28/2023 | 10/28/2023 |      |        | 100385227  | 10   | 05 | IN | 2   |
| 6000673                               | N02 | 4200  | 01   | 10/28/2023 | 10/28/2023 |      |        | 100385228  | 10   | 05 | IN | 2   |
| 6000673                               | N02 | 4200  | 01   | 10/28/2023 | 10/28/2023 |      |        | 100385229  | 10   | 05 | IN | 2   |
| 6000673                               | N02 | 4200  | 01   | 10/28/2023 | 10/28/2023 |      |        | 100385230  | 10   | 05 | IN | 2   |
| 6000673                               | N02 | 4200  | 01   | 10/28/2023 | 10/28/2023 |      |        | 100385231  | 10   | 05 | IN | 2   |
| 6000673                               | N02 | 4200  | 01   | 10/28/2023 | 10/28/2023 |      |        | 100385232  | 10   | 05 | IN | 2   |
| 6000673                               | N02 | 4200  | 01   | 10/28/2023 | 10/28/2023 |      |        | 100385233  | 10   | 05 | IN | 2   |
| 6000673                               | N02 | 4200  | 01   | 10/28/2023 | 10/28/2023 |      |        | 100385234  | 10   | 05 | IN | 2   |
|                                       | 001 | 4200  | 67   | 10/31/2023 | 04/30/2023 |      |        | 100360642  | 10   | 05 | IN | 2   |
|                                       | N01 | 4200  | 41   | 08/01/2023 | 08/01/2023 |      |        | 100372814  | 10   |    |    |     |
|                                       | N01 | 4200  | 41   | 08/18/2023 | 08/18/2023 |      |        | 100375866  | 10   |    |    |     |
|                                       | N02 | 4200  | 41   | 10/20/2023 | 10/20/2023 |      |        | 100384160  | 10   | 05 | IN | 2   |

| Viewing Documents by Document Number |      |            |      |            |          |  |           |      |           |      |    |  |
|--------------------------------------|------|------------|------|------------|----------|--|-----------|------|-----------|------|----|--|
| Deliv. Date                          | SLOC | Purch.Doc. | Item | Doc. Date  | Material | Short Text                               | Quantity  | Unit | Net price | Crcy | Pe |  |
| 08/20/2022                           | 01   | 4300225326 | 10   | 10/06/2022 | 2033777  | ADAPTER 3" EUE 8RD LG X 3" XH 316        | 4         | EA   | 426.83    | USD  | 1  |  |
|                                      | 67   | 4300221361 | 10   | 08/16/2022 | 2001982  | GASKET DECARB STEEL 30A1F0540X12         | 16        | EA   | 15.29     | USD  | 1  |  |
| 10/19/2022                           | 62   | 4300213369 | 20   | 08/30/2023 | 2060973  | 7" 29# L80 BTC                           | 27,803.30 | FT   | 49.95     | USD  | 1  |  |
| 10/21/2022                           | 41   | 4300225629 | 10   | 10/11/2022 | 2000889  | GASKET TOP BAY H65377                    | 12        | EA   | 76.82     | USD  | 1  |  |
| 10/31/2022                           | 01   | 4300226017 | 100  | 10/17/2022 | 2034306  | METER FLOW 1" MALE SS TURBINES           | 8         | EA   | 546.56    | USD  | 1  |  |
| 11/04/2022                           |      | 4300209345 | 10   | 03/11/2022 | 2058184  | RECLOSER SOLID DIELECTRIC VIPER-S ELECTR | 13        | EA   | 24,206.00 | USD  | 1  |  |
|                                      |      | 4300220894 | 10   | 08/10/2022 | 2040325  | BUILDING STEEL 8X14" INS/LNR 2 WIND 1 DR | 15        | EA   | 7,112.00  | USD  | 1  |  |
| 11/07/2022                           |      | 4300225759 | 20   | 10/12/2022 | 2050426  | GAUGE MURPHY SWITCH 0-30 PSI OPLHC-30    | 2         | EA   | 213.00    | USD  | 1  |  |
| 11/11/2022                           | 03   | 4300225126 | 10   | 10/05/2022 | 2041308  | POST TEE "T" STEEL 6"                    | 200       | EA   | 6.00      | USD  | 1  |  |
| 11/15/2022                           | 66   | 4300217811 | 30   | 07/21/2022 | 2062869  | 2-3/8" 4.70# L-80 8rd EUE W/ IPC 1850AR  | 84,000.00 | FT   | 18.45     | USD  | 1  |  |
| 11/23/2022                           | 41   | 4300224258 | 20   | 09/23/2022 | 2056209  | MODULE DC OUTPUT COMPACT 5000 5069-OB16  | 2         | EA   | 1,485.60  | USD  | 1  |  |
| 11/28/2022                           | 01   | 4300226504 | 40   | 10/21/2022 | 2041830  | PLUG 1/2" 3000 - 6000 THD 316SS          | 60        | EA   | 4.93      | USD  | 1  |  |
|                                      |      | 4300227229 | 10   | 11/01/2022 | 2034997  | VALVE BALL 2" 3000 RP 2 PC CS/SS BALON   | 4         | EA   | 157.01    | USD  | 1  |  |
| 11/29/2022                           |      | 4300228448 | 130  | 03/08/2023 | 2003990  | BUSHING,HEX 2"X 1" CL 3000 316SS         | 4         | EA   | 36.80     | USD  | 1  |  |
| 11/30/2022                           |      | 4300209345 | 10   | 11/10/2022 | 2058184  | RECLOSER SOLID DIELECTRIC VIPER-S ELECTR | 13        | EA   | 24,206.00 | USD  | 1  |  |
| 12/01/2022                           | 10   | 4300226617 | 10   | 10/24/2022 | 2064305  | VALVE BP 2" INVALCO SERIES 504 T HREADED | 2         | EA   | 932.50    | USD  | 1  |  |
|                                      |      |            | 20   | 10/24/2022 | 2064306  | SPRING INNER INVCO (60-100#) F/SERISS504 | 2         | EA   | 29.00     | USD  | 1  |  |
| 12/02/2022                           | 01   | 4300228197 | 10   | 11/15/2022 | 2045507  | COUNTER W/PULSER & PLATE FEEDER-ROOT LNC | 2         | EA   | 853.00    | USD  | 1  |  |
|                                      | 67   | 4300226026 | 10   | 10/17/2022 | 2043052  | WIRELESS LOADCELL W/ POSITION            | 2         | EA   | 2,324.64  | USD  | 1  |  |
| 12/07/2022                           | 01   | 4300227182 | 50   | 11/01/2022 | 2061215  | CABLE 30' N-MALE to N-MALE LMR400        | 10        | EA   | 97.80     | USD  | 1  |  |
| 12/09/2022                           | 67   | 4300226179 | 20   | 10/18/2022 | 2058078  | COIL CONTACTOR 120V/60HZ 110V/50HZ NEMA  | 2         | EA   | 120.93    | USD  | 1  |  |
| 12/15/2022                           | 01   | 4300220894 | 10   | 09/29/2022 | 2040325  | BUILDING STEEL 8X14" INS/LNR 2 WIND 1 DR | 15        | EA   | 7,112.00  | USD  | 1  |  |
| 12/16/2022                           |      | 4300209345 | 10   | 11/30/2022 | 2058184  | RECLOSER SOLID DIELECTRIC VIPER-S ELECTR | 13        | EA   | 24,206.00 | USD  | 1  |  |
|                                      |      | 4300228231 | 10   | 11/15/2022 | 2046829  | KIT VALVE 3" 3705 CONTROL SOFT SEAL      | 2         | EA   | 285.00    | USD  | 1  |  |
| 12/18/2022                           |      | 4300229383 | 20   | 12/01/2022 | 2032583  | PACKING STRUCTURE BOX GOLF 1 3/4"        | 12        | EA   | 15.88     | USD  | 1  |  |

# TO THIS!

**Stock/Requirements List as of 10:07 hrs**

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

Material: 2035606 CABLE ASSEMBLY 2P F RECEPT MOLEX  
Plant: 4200 MRP type: V1 Material Type: ERS Unit: EA

| A.. | Date       | MRP ... | MRP element data    | Reschedu... | Receipt/Reqmt | Available Qty | S... | Work Order Description         | Priori... |
|-----|------------|---------|---------------------|-------------|---------------|---------------|------|--------------------------------|-----------|
|     | 10/31/2023 | Stock   |                     |             |               | 2             |      |                                |           |
|     | 10/31/2023 | OrdRes  | 000211748180        |             | 1-            | 1             | 01   | Replace transducer cable ELOB  | Low       |
|     | 10/31/2023 | OrdRes  | 000211748311        |             | 1-            | 0             | 01   | Replace Cable at ELOB 14-29SH  | Low       |
|     | 12/07/2023 | OrdRes  | 000211715294        |             | 2-            | 2             | 01   | Repair Wiring on Kimray Well C | Low       |
|     | 12/07/2023 | OrdRes  | 000211748309        |             | 2-            | 4             | 01   | Replace all cables at ELOB 14- | Low       |
|     | 12/07/2023 | OrdRes  | 000211756013        |             | 2-            | 6             | 01   | Replace Cables on ELOB 14-6SH  | Low       |
|     | 12/08/2023 | POitem  | 4300248040/00040    |             | 15            | 9             | 01   |                                |           |
|     | 10/31/2023 | SLocSt  | 01C SLoc Not Planne |             |               | 0             | 01C  |                                |           |
|     | 10/31/2023 | SLocSt  | 41C SLoc Not Planne |             |               | 0             | 41C  |                                |           |

# ONE MORE TRY!



## We're Getting Closer!



# Let's Manage By Exception!

## TCODES

### (Z)MD06

- Snapshot from Last MRP Run

### (Z)MD07

- Real Time Look

Stock/Requirements List: Material List

Selected Stock/Requirements Lists

Define Traffic Light

Exception Groups

| Light | Material | Material Description                     | A MRP... | StckDS | 1st R... | 2nd R | 1 | 2 | 3 | 4 | 5 | 6 | 7  | 8 | Plant stock | B... | Safety Stock | Reorder Poin |
|-------|----------|--|----------|--------|----------|-------|---|---|---|---|---|---|----|---|-------------|------|--------------|--------------|
|       | 2067213  | BUCKET:PAIL CHARGE,5 GAL                 | P02      | 4.0-   | 4.0-     | 4.0-  |   |   |   |   |   |   | 14 |   | 0 EA        |      | 0            |              |
|       | 2067892  | KIT,VALVE:PLT,SNAP-ACTNG,HNBR            | S01      | 1.0-   | 1.0-     | 1.0-  |   |   |   |   |   |   |    |   | 0 EA        |      | 0            |              |
|       | 2004754  | NIPPLE 4" X 8" TBE S80 CS SMLS           | S02      | 1.0-   | 999.9    | 999.9 |   |   | 1 |   |   |   |    |   | 0 EA        |      | 0            |              |
|       | 2031911  | CHEM:CORR INHIB,SUPERCORR A              | P02      | 1.0-   | 999.9    | 999.9 |   |   | 2 |   |   |   | 12 |   | 0.00 GAL    |      | 0.00         | 0.0          |
|       | 2035607  | CABLE ASSEMBLY 2P M ST 20' MOLEX         | S01      | 1.0-   | 999.9    | 999.9 |   |   | 1 |   |   |   |    |   | 0 EA        |      | 0            |              |
|       | 2037152  | CHEMICAL PARAFIN INH PELLETS PI2PELLETS  | P02      | 1.0-   | 999.9    | 999.9 |   |   |   |   |   |   | 9  |   | 0 LB        |      | 0            |              |
|       | 2067470  | TANK:750 BBL,15'-6" X 24',STL,12F        | S02      | 1.0-   | 999.9    | 999.9 |   |   | 2 |   |   |   |    |   | 0 EA        |      | 0            |              |
|       | 2068619  | FLOWMETER:EDD 4"x4",WHOLE                | S02      | 0.0    | 0.0      | 0.0   |   |   |   |   |   |   | 1  |   | 0 EA        |      | 0            |              |
|       | 2004812  | GREASE MULTI PURPOSE NO 2 PETROLEUM14 OZ | S02      | 0.0    | 999.9    | 999.9 |   |   |   |   |   |   |    |   | 0 EA        |      | 0            |              |
|       | 2007088  | BREAK CLEANER SP4520 N-CHLOR 12/12OZ     | S01      | 0.0    | 999.9    | 999.9 |   |   | 1 |   |   |   |    |   | 0 CS        |      | 0            |              |
|       | 2007094  | OIL SUMMIT PGS 150 BULK                  | S01      | 0.0    | 999.9    | 999.9 |   |   |   |   |   |   |    |   | 225.00 GAL  |      | 0.00         | 110.0        |
|       | 2020888  | CUTTER,TUBING:3/16"-1"OD                 | S02      | 0.0    | 999.9    | 999.9 |   |   |   |   |   |   |    |   | 0 EA        |      | 0            |              |
|       | 2034146  | REDUCER CONCENTRIC 4" X 3" XH 316SS      | S01      | 0.0    | 999.9    | 999.9 |   |   |   |   |   |   |    |   | 0 EA        |      | 0            |              |
|       | 2036275  | GREASE GADUS SHELL TUBE S5V2202          | S01      | 0.0    | 999.9    | 999.9 |   |   |   |   |   |   |    |   | 0 EA        |      | 0            |              |
|       | 2036794  | SEAL OIL TAIL BEARING LUFKIN NATIONAL    | S01      | 0.0    | 999.9    | 999.9 |   |   |   |   |   |   |    |   | 0 EA        |      | 0            |              |
|       | 2043346  | FLANGE BLIND 2" 1500 RF CS               | S01      | 0.0    | 999.9    | 999.9 |   |   |   |   |   |   |    |   | 0 EA        |      | 0            |              |
|       | 2051356  | METER TURBINE 3" QUIKSERT                | S02      | 0.0    | 999.9    | 999.9 |   |   |   |   |   |   |    |   | 0 EA        |      | 0            |              |
|       | 2052235  | ANTENNA 220 MHz 7.1 dbd YAGI             | S02      | 0.0    | 999.9    | 999.9 |   |   |   |   |   |   |    |   | 6 EA        |      | 0            |              |
|       | 2053282  | CARD MODULE 20-COMM-C                    | S02      | 0.0    | 999.9    | 999.9 |   |   |   |   |   |   |    |   | 0 EA        |      | 0            |              |
|       | 2063808  | ACTUATOR AND POSITIONER LOGIX 3000 MD    | S02      | 0.0    | 999.9    | 999.9 |   |   | 1 |   |   |   |    |   | 0 EA        |      | 0            |              |
|       | 2066686  | DRIVE,VARIABLE SPEED:PWR FLEX 700,20HP   | S02      | 0.0    | 999.9    | 999.9 |   |   |   |   |   |   |    |   | 0 EA        |      | 0            |              |
|       | 2067314  | NIPPLE,PIPE:2-7/8",2',SP JNT,3750 PSI    | S02      | 0.0    | 999.9    | 999.9 |   |   |   |   |   |   |    |   | 0 EA        |      | 0            |              |
|       | 2067403  | SLEEVE:UB,3",S40,IPC W/ TK-15XT          | S02      | 0.0    | 999.9    | 999.9 |   |   |   |   |   |   |    |   | 0 EA        |      | 0            |              |
|       | 2067530  | VALVE,RELIEF:2"x2",THRD,800-4000,SET2900 | S01      | 0.0    | 999.9    | 999.9 |   |   |   |   |   |   |    |   | 0 EA        |      | 0            |              |
|       | 2068145  | XMTR,TEMP:3 WIRE RTD,-58F-482F,1/2"NPT   | S02      | 0.0    | 999.9    | 999.9 |   |   |   |   |   |   |    |   | 0 EA        |      | 0            |              |
|       | 2033776  | ADAPTER 2-7/8" EUE 8RD LG X 3" S80 316   | S01      | 1.0    | 1.0      | 1.0   |   |   |   |   |   |   | 1  |   | 0 EA        |      | 0            |              |
|       | 2036796  | SEAL OIL CROSS YOKE 912 LUFKIN E9020630  | S01      | 1.0    | 1.5      | 1.5   |   |   |   |   |   |   |    |   | 0 EA        |      | 0            |              |
|       | 2033970  | LOADBOX CONTAINER 6-1/2 GAL 3" CONNECT   | S01      | 1.0    | 2.0      | 2.0   |   |   |   |   |   |   | 1  |   | 0 EA        |      | 0            |              |

**Red Light-** Not Enough Stock for Today's Needs

**Yellow Light-** You're on Thin Ice- Tomorrow Will be Red

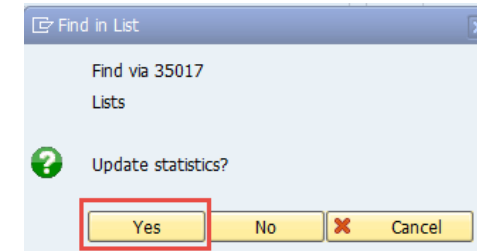
**Green Light-** You have today's Needs Covered

# Filter Exceptions...

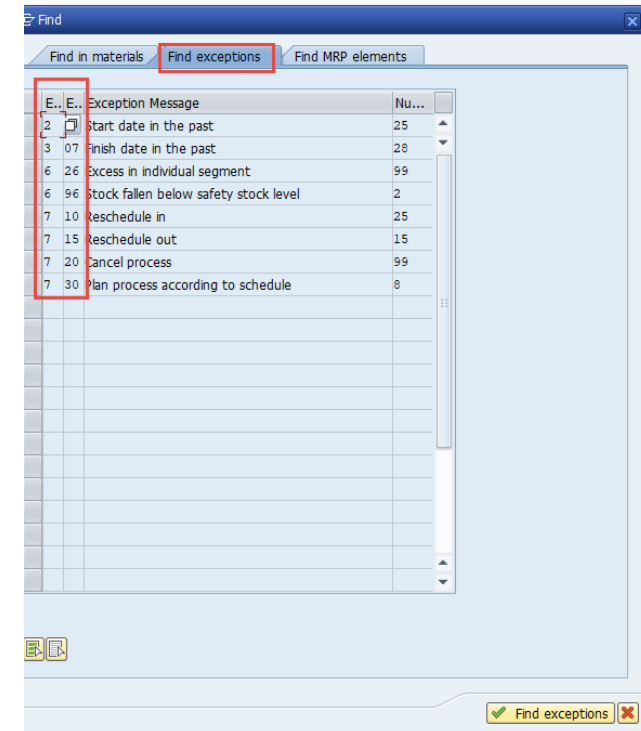
Stock/Requirements List: Material List

<

- Click the binocular Icon
- Select "Yes"

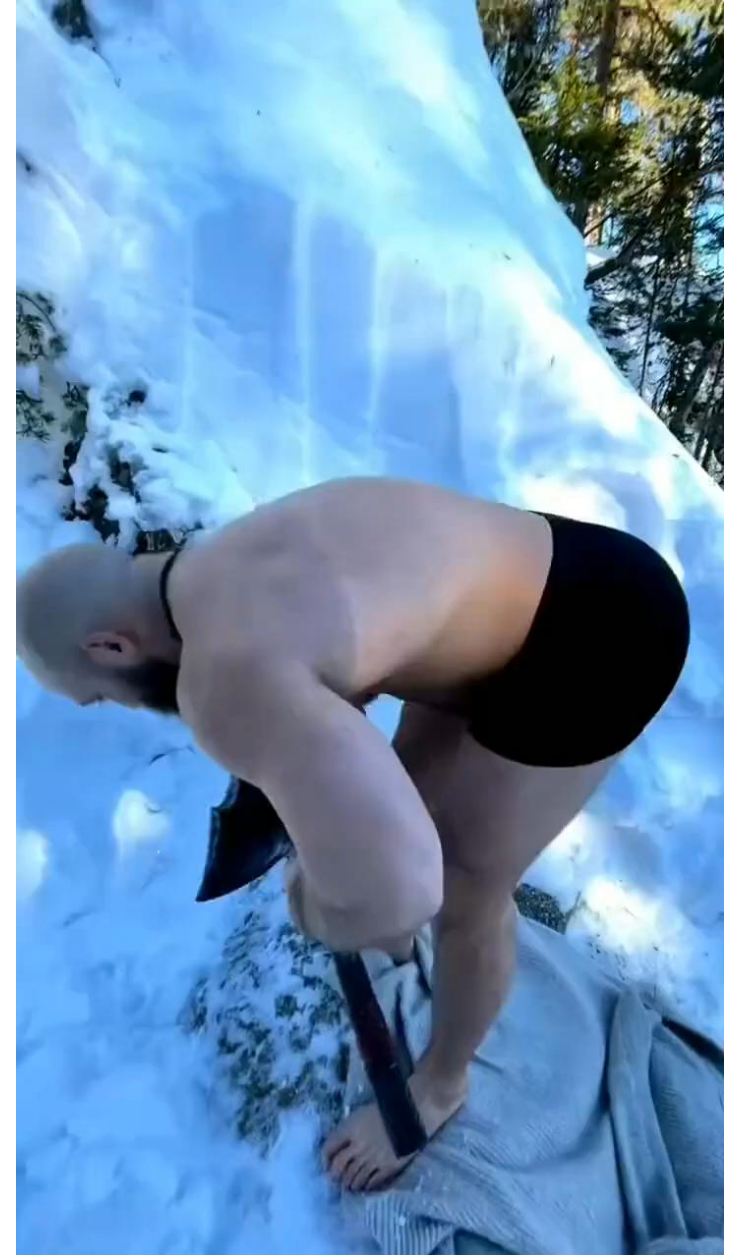


- Find your Desired Exception



NOW LET'S  
DO IT WITH STYLE!

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ROLE BASED

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MRP  
PLAYBOOK



# Operations / Planner

| <b>Play</b>  | <b>ACTION</b>             | <b>TCODE</b> |
|--------------|---------------------------|--------------|
| 1            | Identify Your Work        | IW38         |
| 2            | Run an Availability Check | IWBK         |
| 3 (Optional) | Review Open Reservations  | MB25         |
| 4 (Optional) | Check for MRP Exceptions  | (Z)MD07      |



# MRP Controller

## MRP EXCEPTIONS TO ADDRESS DAILY

| DAILY FIT STEPS ZMD06 (LAST MRP RUN DATA)<br>MRP CONTROLLER-S01-S03/R02/HSE |  |  |                                       |
|---|--|--|---------------------------------------|
| Step  | Task   | Group & Exceptions                                     | Who Attends? (Required / Optional)    |
| 1   | Master Data Issues (Before the meeting if possible)  | 5 & 8  | MRP Controller                        |
|   |  | "Find MRP Element" Tab<br>To Date = Today              |                                       |
| 2   | Demand in the Past (Find MRP Elements Tab)   | Look at OrderRes Column Only                           | MRP Controller, Planner, Purch. Coord |
| 3   | PO needs to be cut. Requisition Release Date in the Past (within MID lead time)              | 2  | MRP Controller, Planner, Purch. Coord |
| 4   | Parts are late. PO delivery date is in the past but earlier than WO start date               | 3  | MRP Controller, Planner, Purch. Coord |
|   | PO delivery date is later than work order/safety stock start date (Foreman direction needed) | ✓  |                                       |
| 5   | Address safety stock in later step unless planner/foreman input is needed                    | 7 10/30  | MRP Controller, Planner, Purch. Coord |
| 6   | Stuff that should have been delivered  | To Date = Today<br>Look at PO Item, PurchReq, SubcRqmt | MRP Controller, Purch. Coord          |
| 7   | Safety Stock Issues  | 6  | MRP Controller, Purch. Coord          |
|   | Reschedule Out (Parts are coming in too soon) 15   | ✓  |                                       |
| 8   | Cancel the PO (Demand is gone) 20  | 7 15/20  | MRP Controller, Purch. Coord          |
| 9   | New Proposals  | 4  | MRP Controller, Purch. Coord          |





# Purchasing Officer / Buyer

| Play | Action   | TCODE                                  | Exception Group(s)             |
|------|--|--|--------------------------------|
| 1    | Identify Your Requisitions<br>(Stuff we need to purchase complete work)      | ME5a                                   |                                |
| 2    | Identify what requisitions are tied to reservations.                         | ZMD07<br>Cut PO's if Within Lead Time. | Find MRP elements:<br>OrderRes |
| 2a   | Flag Unsourced / Late Requisitions that Category Managers need to Prioritize | MD07 / ME52n                           | 2, 7(30)                       |
| 4    | Cut POs for all Lower Priority Sourced Reqs in mass.                         | ME57                                   |                                |



# Expeditor

| Play | Action   | TCODE | Exception Group                                     |
|------|--|-------|---|
| 1    | Identify late deliveries <b>that have demand!</b>  | ZMD07 | 3   |
| 2    | Identify Reservations during a specific time frame | ZMD07 | MRP Exceptions Tab<br>OrderRes = Desired Date Range |
| 3    | Forecast What WILL be late if we don't act NOW!    | ZMD07 | 7(10)   |
| 4    | Identify all other late deliveries                 | ZMD07 | MRP Exceptions Tab<br>PO Date < Today               |



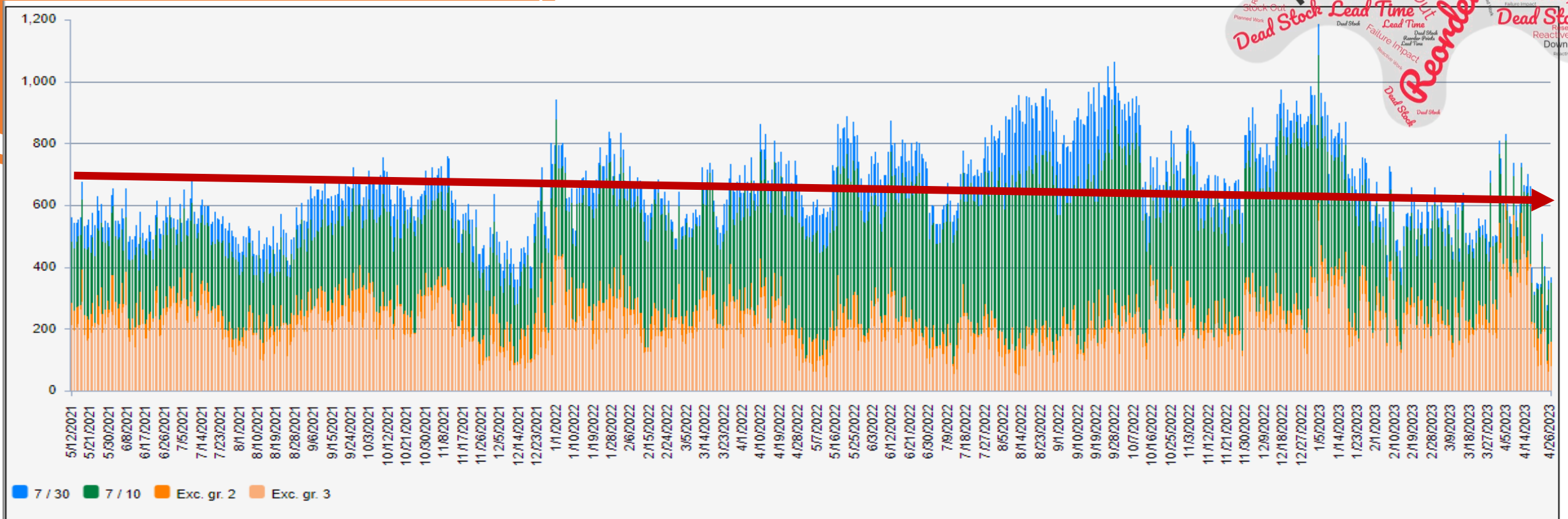
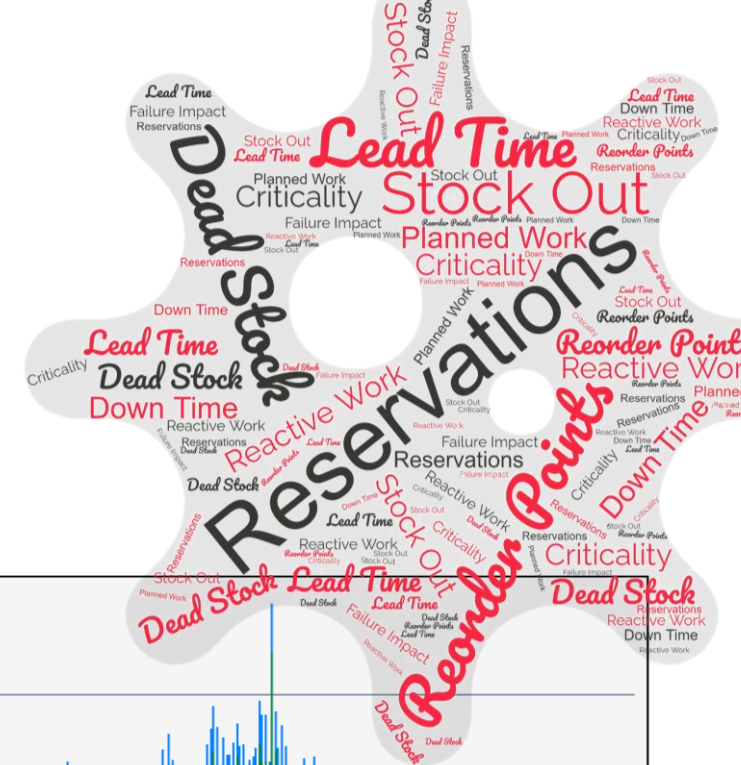
# Category Manager

| Pla<br>y | Action                             | TCODE | Exception Group                   |
|----------|------------------------------------|-------|-----------------------------------|
| 1        | Identify <u>Unsourced</u><br>Reqs  | ME5a  |                                   |
| 2        | Identify Reqs that<br>have demand! | MD07  | Find MRP<br>elements:<br>OrderRes |
| 3        | Source Other Reqs                  | ZMD07 | Find MRP<br>elements:<br>PurchReq |

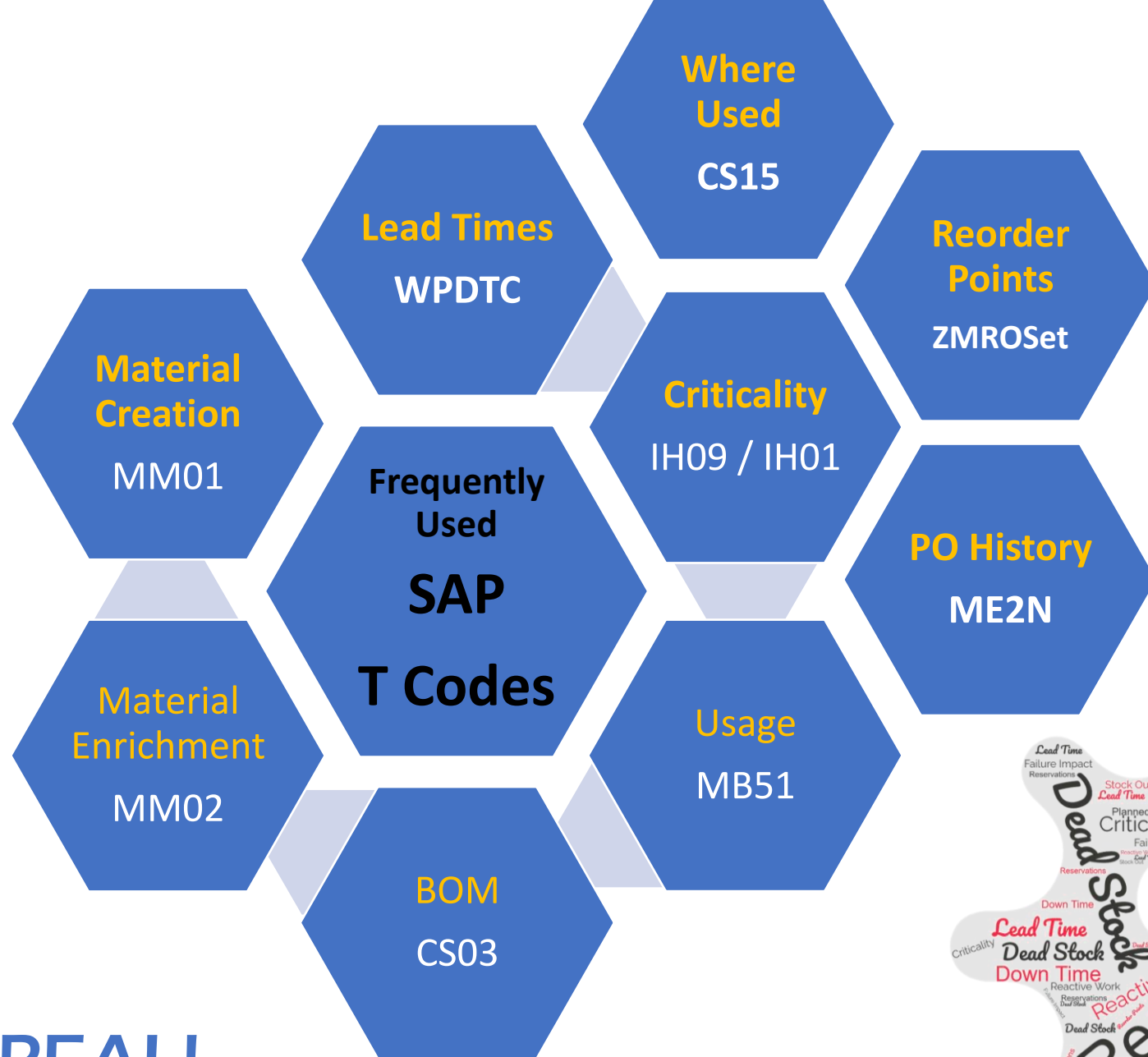




# 04/26/2023 Exceptions



# Information Gathering



The Struggle is REAL!



## THINK LIKE A TOAD...





Denbury ▼

🔍 Material Search Tool

➕ Material Creation Tool

📄 Text Enrichment Tool

⛶ Material Extension

📈 ROP & ROQ Calculator

📊 Criticality Calculator

🖥️ Lead Time Monitor

📊 Reporting

✅ Free Text Monitor

🔑 Duplicates Monitor

📋 Approved Requests

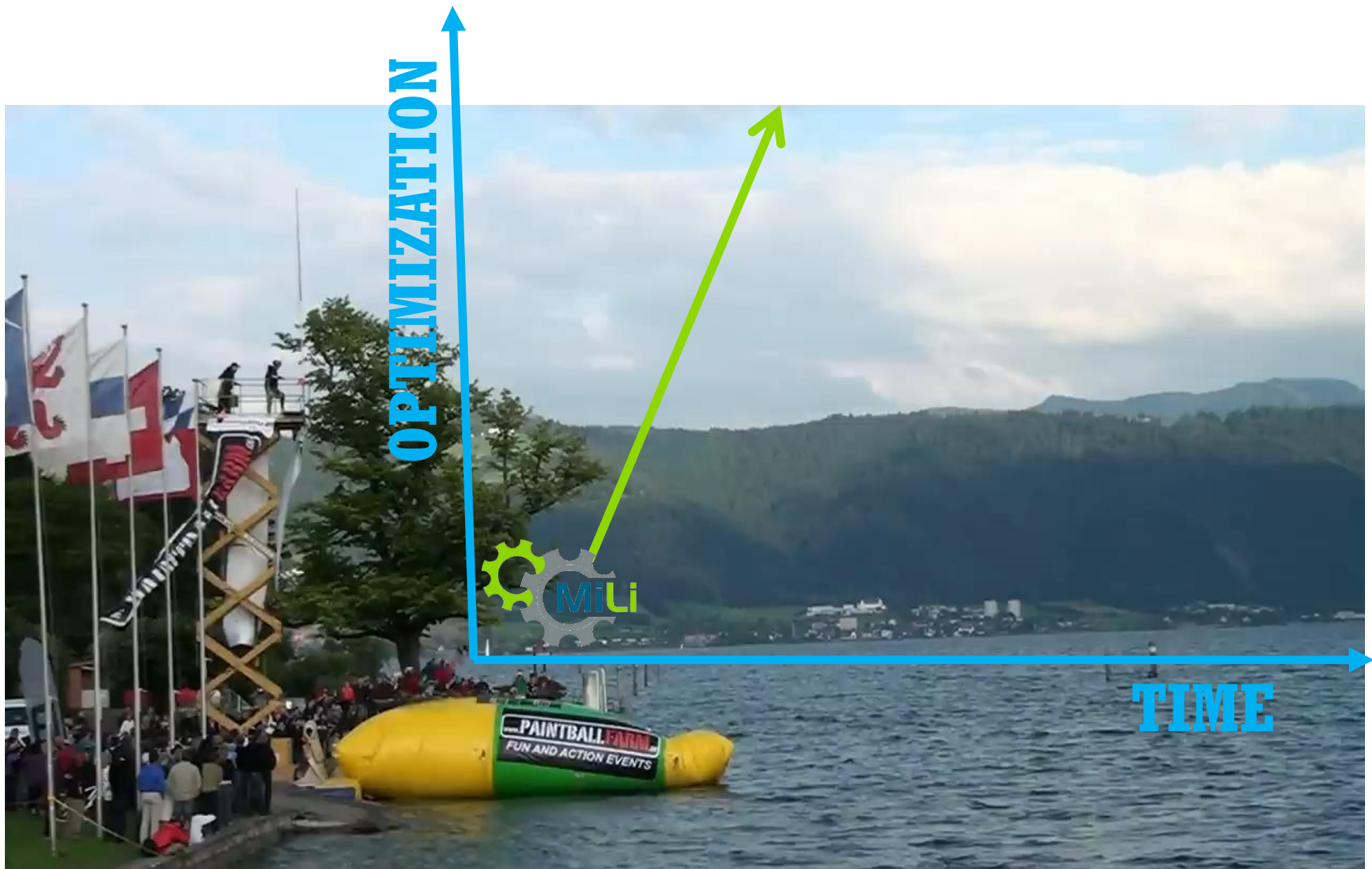
⚙️ Configuration

Powered By

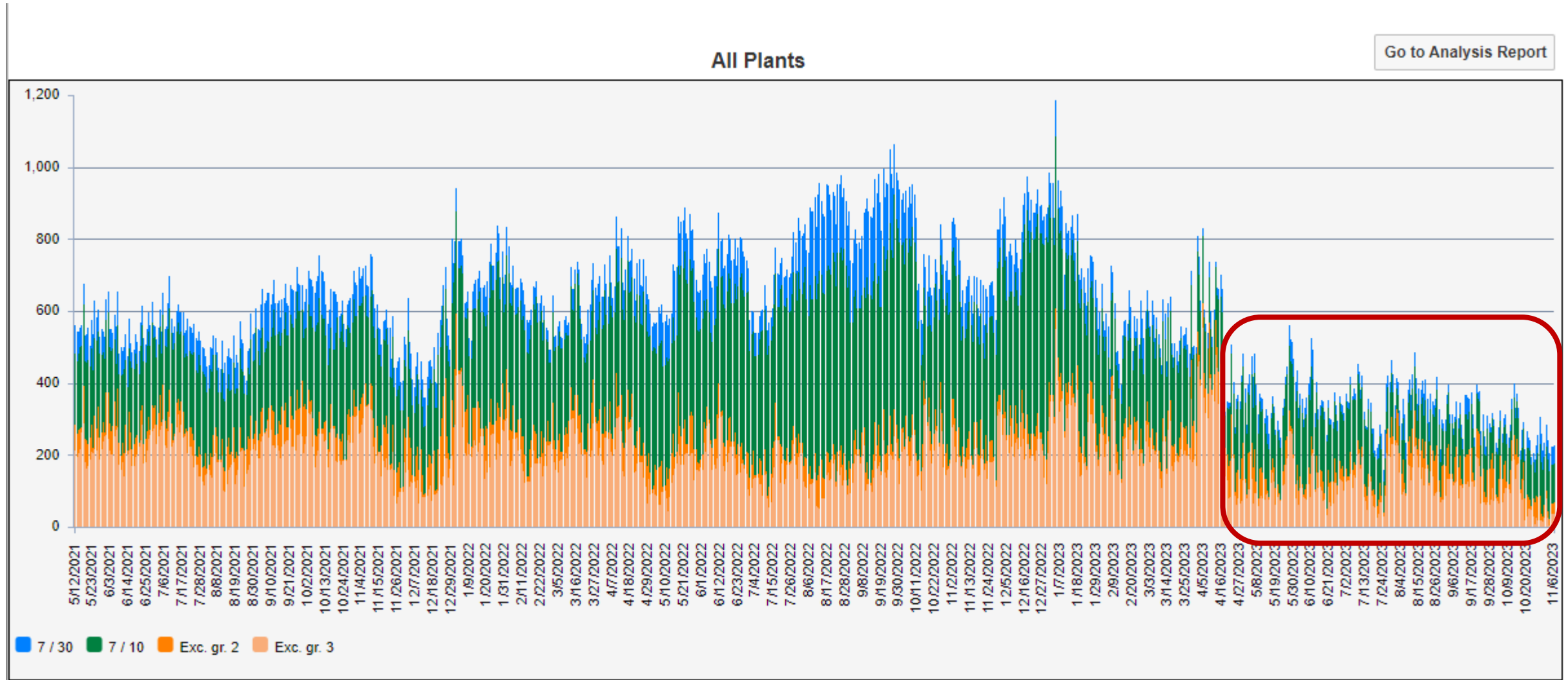




# YEEHAW!



# Exceptions after adjusting ROP & Lead Times from Mili





DEMO





## How to Connect with Us

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