

Excess Stock Prevention

Pain Point

Pain Point

Pain Point of Excess Stock

Background

Background

Conventional practice to management Excess Stock

Solution

Solution

Knowledge integration and application

**Result
Benefit**

Result & Benefit

Tangible and Intangible Benefit

Next Step

Next Step

Knowledge Extension & Digital Application



PAIN POINT

Common Pain Point between Turnaround, Maintenance, Warehouse & Inventory



1 Excessive Inventory Cost

Duplicated cost between new re-ordering & the return item



2 Lost Physical Handling Cost

Excess stock cause excess storage and management cost



3 Opportunity Loss

Financial loss in 1 & 2 lead to company loss for new improvement project



4 Productivity Loss

Non-value added activities for bonding process, procurement process



BACKGROUND

MATERIAL ORDERING

Reserve Material



Why need Contingency Spare Part?

Contingency spare part are necessary to handle

unforeseen work.

Normally contingency spare part are high value and long delivery time.

Bonding
Material



Withdrawn
Material



Return Unused
Material



Issue PR / PO
to Fill Stock



Receive New
Material

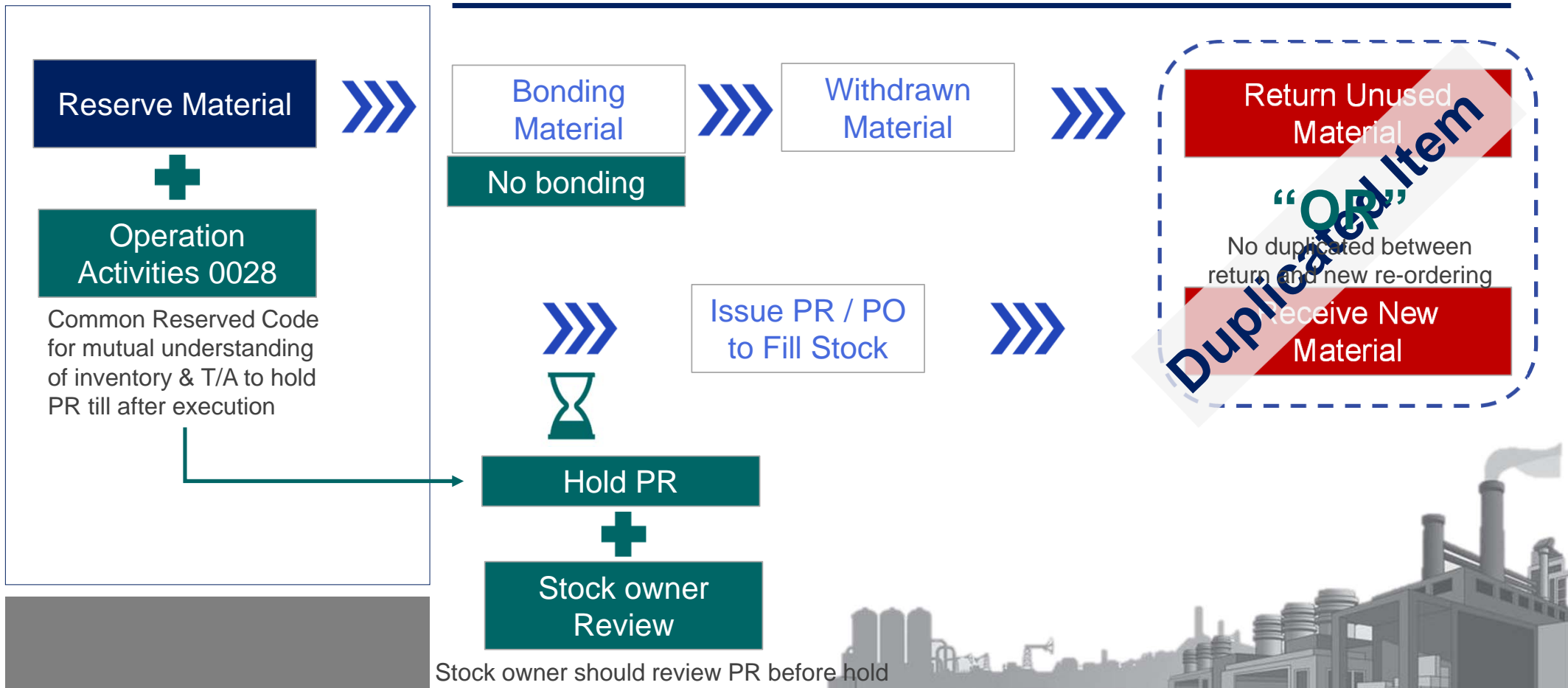
Duplicated Item

Hold PR

T/A Planner inform inventory
by **Manual E-mail** to hold PR
till the post phase
If return, not re-order to fill
stock



SOLUTION “TO BE” MATERIAL ORDERING



Material List

Date : 30.01.2019

Time : 14:34

Order Number : 700047621

Order Description : Compressor minor overhaul.

Planner Group : TB3 100C T-TA-TB Rotating

Works Center : TB-DUMMY 100C T-TA-TB Dummy Work Center

Revision Code : TAARO119 Aro1 7th Turnaround 2019

Work Package :

Functional Location : OA-R-20-RF2-200


Equipment : O-200-C-001

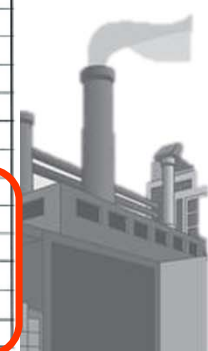
WBS : CA-1021-17001-T-1-2-01 Compressor

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Act. Group	Material No.	Description	Qty	Unit	Resv.#	Resv. Item	PR number	PR item	PO number	PO item	Storage Bin	Received Qty/Sign	Returned Qty/Sign
0022	8541.43812.1	GASKET-P 1-1/2"#3/600 304SS-SW-IR CS-OR	4	EA	1934852	91					B02010401		
0022	8541.43620.1	GASKET-P 4"#150 304SS-SW-IR CS-OR	2	EA	1934852	92					B02030501		
0022	8541.43606.1	GASKET-P 3/4"#150 304SS-SW-IR CS-OR	3	EA	1934852	93					B02010502		
0022	8541.43618.1	GASKET-P 3"#150 304SS-SW-IR CS-OR	1	EA	1934852	94					B02030502		
0022	8541.43612.1	GASKET-P 1-1/2"#150 304SS-SW-IR CS-OR	3	EA	1934852	95					B02020503		
0022	8541.43608.1	GASKET-P 1"#150 304SS-SW-IR CS-OR	3	EA	1934852	96					B02010501		
0022	8541.43604.1	GASKET-P 1/2"#150 304SS-SW-IR CS-OR	4	EA	1934852	97					B02010503		
0022	8541.43624.1	GASKET-P 6"#150 304SS-SW-IR CS-OR	1	EA	1934852	98					B02010302		
0022	8541.43730.1	GASKET-P 12"#300 304SS-SW-IR CS-OR	1	EA	1934852	99					B02020201		
0022	8541.20726.9	GASKET-P 1"#3/600 304SS-SW-IR CS-OR	1	EA	1934852	100					B02010402		
0022	8541.43826.1	GASKET-P 8"#600 304SS-SW-IR CS-OR	1	EA	1934852	101					B02010101		
0022	8541.20703.9	GASKET-P 3/4"#3/600 304SS-SW-IR-OR	1	EA	1934852	132					B02070403		
0022	8541.43618.1	GASKET-P 3"#150 304SS-SW-IR CS-OR	2	EA	1934852	133					B02030502		
0022	8541.43612.1	GASKET-P 1-1/2"#150 304SS-SW-IR CS-OR	2	EA	1934852	134					B02020503		
0022	8541.43604.1	GASKET-P 1/2"#150 304SS-SW-IR CS-OR	2	EA	1934852	135					B02010503		
0022	8541.43606.1	GASKET-P 3/4"#150 304SS-SW-IR CS-OR	2	EA	1934852	136					B02010502		
0022	8541.43614.1	GASKET-P 2"#150 304SS-SW-IR CS-OR	4	EA	1934852	137					B02020501		
0022	8541.43618.1	GASKET-P 3"#150 304SS-SW-IR CS-OR	2	EA	1934852	138					B02030502		
0022	8541.43612.1	GASKET-P 1-1/2"#150 304SS-SW-IR CS-OR	1	EA	1934852	139					B02020503		
0022	8541.43608.1	GASKET-P 1"#150 304SS-SW-IR CS-OR	2	EA	1934852	140					B02010501		
0022	8541.43604.1	GASKET-P 1/2"#150 304SS-SW-IR CS-OR	1	EA	1934852	141					B02010503		
0022	8541.43614.1	GASKET-P 2"#150 304SS-SW-IR CS-OR	1	EA	1934852	142					B02020501		
0022	8541.20726.9	GASKET-P 1"#3/600 304SS-SW-IR CS-OR	1	EA	1934852	143					B02010402		
0022	8541.43620.1	GASKET-P 4"#150 304SS-SW-IR CS-OR	4	EA	1934852	144					B02030501		
0022	8541.43606.1	GASKET-P 3/4"#150 304SS-SW-IR CS-OR	1	EA	1934852	145					B02010502		
0022	8541.43626.1	GASKET-P 8"#150 304SS-SW-IR CS-OR	1	EA	1934852	146					B02010301		
0022	8541.20726.9	GASKET-P 1"#3/600 304SS-SW-IR CS-OR	1	EA	1934852	147					B02010402		
0028	2544.44081.3	TILTING PAD SUCTION SIDE,4111-41,200-C-1	1	SET	1934852	5					C11050202		
0028	2544.44084.3	THRUST PAD OUT BOARD,4111-42,200-C-1	1	SET	1934852	6					C11050301		
0028	2544.44087.3	THRUST PAD IN BOARD,4111-43,200-C-1	1	SET	1934852	7					C11050302		
0028	2544.44088.3	TILTING PAD DISCH SIDE,4211-41,200-C-1	1	SET	1934852	8					C10050403		
0028	2544.44110.3	BACK-UP RING COUPLING,5711-24,200-C-1	1	EA	1934852	9					A11010602		
0028	2544.44113.3	BACK-UP RING COUPLING,5711-31,200-C-1	1	EA	1934852	10					A11020601		


PTT
 GLOBAL CHEMICAL
 Turnaround
 Year 2019



RESULT & BENEFIT

Tangible and intangible benefit after implementation



1 Excessive Inventory Cost

Duplicated cost between new re-ordering & the return item



1 Reduce Excessive Inventory Cost

REDUCE Duplicated cost between new re-ordering & the return item



2 Lost Physical Handling Cost

Excess stock cause excess storage and management cost



2 Reduce Physical Handling Cost

REDUCE Excess stock cause **REDUCED** excess storage and management cost



3 Opportunity Loss

Financial loss in 1 & 2 lead to company loss for new improvement project



3 Increase Opportunity

REDUCE Financial loss in 1 & 2 **REDUCE** company loss for new improvement project



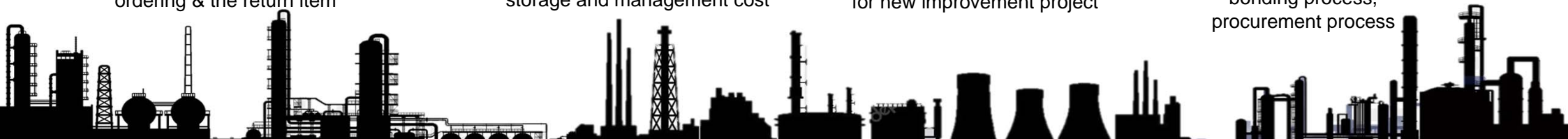
4 Productivity Loss

Non-Value added activities for bonding process, procurement process



4 Increase Productivity

REDUCE Non-Value added activities for bonding process, procurement process



NEXT STEP



✓ Knowledge **Extension**

100% Implementation in Turnaround

100%

Turnaround

Ready to share knowledge with area MN

Maintenance

Plan to share knowledge with project team

Project

✓ **Digital** Enable

Apply digital for more enhancement

1

Automatic PR

System can automatically issue PR base on delivery time & execution schedule

2

Transaction Analysis

System can record transaction, analysis & recommend replacement interval

T-TA Cost CoP Member



Leader

MR. CHAKKAPONG SAKULHIRANRUK
Senior T/A Planner, T-TA-TE



MR. SITTHICHAJ SAMAKKAN
T/A Engineer, T-TA-TC



MR. PUTHA LUADLAIDEE
Warehouse Analyst, T-TA-WM



MR. SIRIPHONG NETSUWAN
T/A Planner, T-TA-TA



MISS CHANTARARAT CHAMPA-NGERN
T/A Planner, T-TA-TC



MR. TAPADET WONGKHLAHAN
T/A Planner, T-TA-TD



MISS RATCHAWEE KAEWKINGCHAN
T/A Planner, T-TA-EX



MISS NICHAPATH KAYEE
Material Analyst, T-TA-IM



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Advisor

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