

SAP S/4HANA

Field Logistics Product Overview

SAP Oil, Gas & Energy Product Management
February, 2023

PUBLIC

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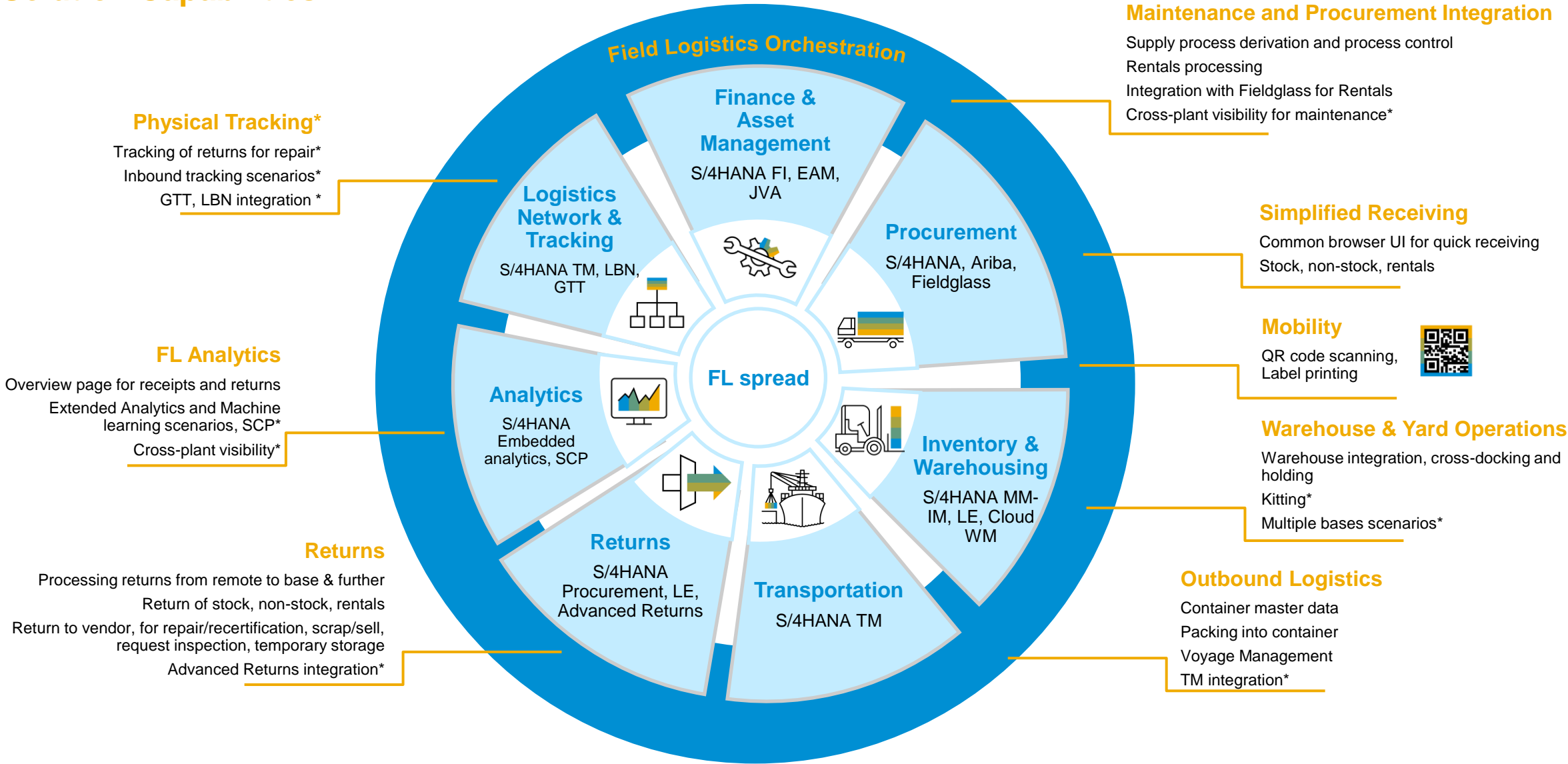
Field Logistics

- Overview
 - Solution capabilities
 - Best Practice scope items
 - Scenarios and supply processes
- Forward processes
 - Demand initiation & supply processing
 - Non-stock and rentals
 - Receipt at base
- Outbound process from base
 - Packing containers
 - Managing voyages
- Receipt at remote
- Returns processes
 - Initiate Returns
 - Initiate Transfer
 - Receipt back at base
- Other features
- Product Roadmap



SAP S/4HANA Upstream Oil&Gas – Field Logistics (FL)

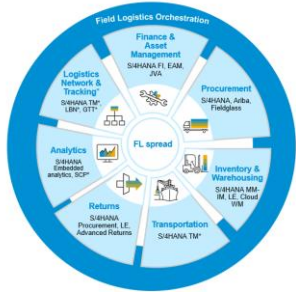
Solution Capabilities



Why Field Logistics?

Leveraging SAP technology with a focus on automation, visibility, and user experience

1. Business process automation and orchestration



Out-of-the-box integration with core SAP modules:

- MM-IM, Procurement, EAM, LE, EWM, QM, Finance, etc.
- Always in line with **latest innovations** in other related SAP standard products
- Straightforward regular **upgrade path**

Increased operational efficiency due to highly automated processes:

- ~**30% of documents** created automatically
- **Manual steps** by user **reduced by up to ~40%**

2. Better end user experience



Persona based applications

- Apps built based on end user study and continuous feedback
- Intuitive end user experience: users only see what is relevant to them

Use on any device

- Field Logistics Fiori apps can also be used on **mobile or tablet devices**, not only desktop
- Quick actions from any device: **scan QR code, print label**

3. Tracking of any type of equipment



Transparent tracking of any type of logistics items

- Logistics of **stock, non-stock, rental** equipment with Field Logistics apps
- Easy to **identify and track equipment** by scanning a QR code or printing a label
- **Visibility** of receipts and returns

4. Making use of latest SAP technology



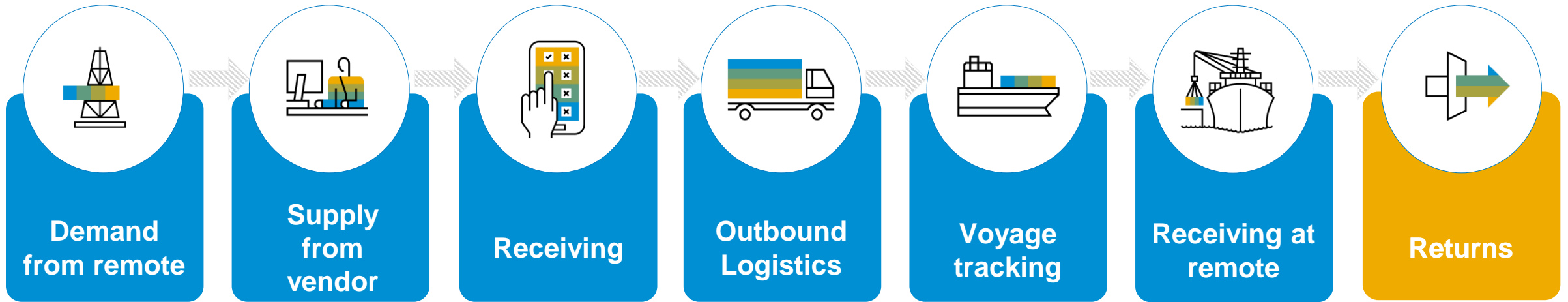
Machine Learning

- **ML-OCR** to identify container ID for packing
- Continuous focus on **innovation**: image recognition, ML and other intelligent scenarios are part of the Field Logistics roadmap

Extensibilities

- **Out-of-the-box APIs** for customer-specific enhancements

Field Logistics Processes Overview: Forwards & Returns Scenarios



Supply Processes

Own materials (stock)

- Stock located at remote & base **SP11**
- Stock located at base only **SP12**
- Stock located at remote only **SP13**
- Direct Purchase (stock) **SP14**

Own materials (non-stock)

- Direct purchase (non-stock) **SP15**

Services

- Supplier items logistics (rental & third party) **SERV**

Returns Scenarios

- To base inventory
- To vendor
- Request inspection
- Repair / Recertification
- Scrap / Sell
- Temporary storage
- Internal repair*

S/4HANA Cloud Best Practice Functionality and Integration in the SAP Best Practices Explorer

The screenshot shows the SAP Best Practices Explorer interface. The breadcrumb path is 'Browse Packages / SAP S/4HANA / Cloud /'. The main heading is 'SAP Best Practices for SAP S/4HANA Cloud' with 'USA' as the region. The 'Solution Scope' tab is selected, and the 'Oil and Gas' category is expanded. Below this, three scope items are listed:

Scope Item	Description
Field Logistics Planning and Execution (40G)	This scope item supports the supply of products needed for maintenance operations from a supplying base to a remote location, and the return process of products from the remote location back to the base.
Field Logistics Planning and Execution – Direct Procurement (5OM)	This scope item supports the supply of non-stock items (with and without material master) needed for maintenance operations from a supplying base to a remote location, and the return process of products from the remote location back to the base.
Field Logistics Planning and Execution – Supplier Items (4AH)	This scope item supports provisioning supplier items and rentals needed for maintenance operations from a supplying base to a remote location.

Field Logistics Scope Items:

[40G](#) Field Logistics Planning and Execution – Own items

[4AH](#) Field Logistics Planning and Execution – Supplier items

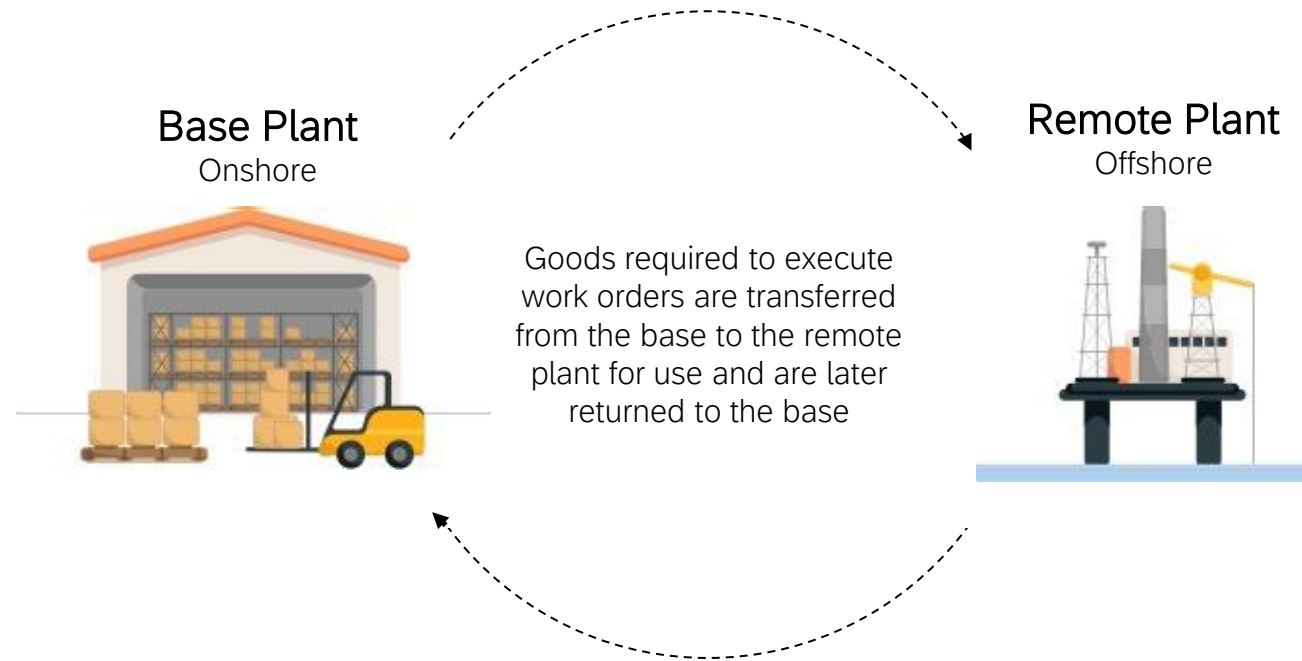
[5OM](#) Field Logistics Planning and Execution – Direct Procurement

[6BA](#) - Field Logistics Planning and Execution – Containers and Voyages

SAP S/4HANA in Upstream Oil & Gas

Field Logistics Overview





~ 10 Apps ~ 6 Personas

~ 2020

~ 2022

Demand Initiation & Supply Planning



Maintenance Planner

Needs to perform maintenance work at Remote and creates a Maintenance Order

Create Maintenance Order



Project Coordinator

Create Project Demand



Material Planner

Get system proposals for supply (external or internal)

Run Material Requirements planning



Purchaser

Based on stock availability, the materials would either be taken from stock (warehouse), or replenished from vendor and the Purchaser creates a Purchase Order.

Manage Purchase Order

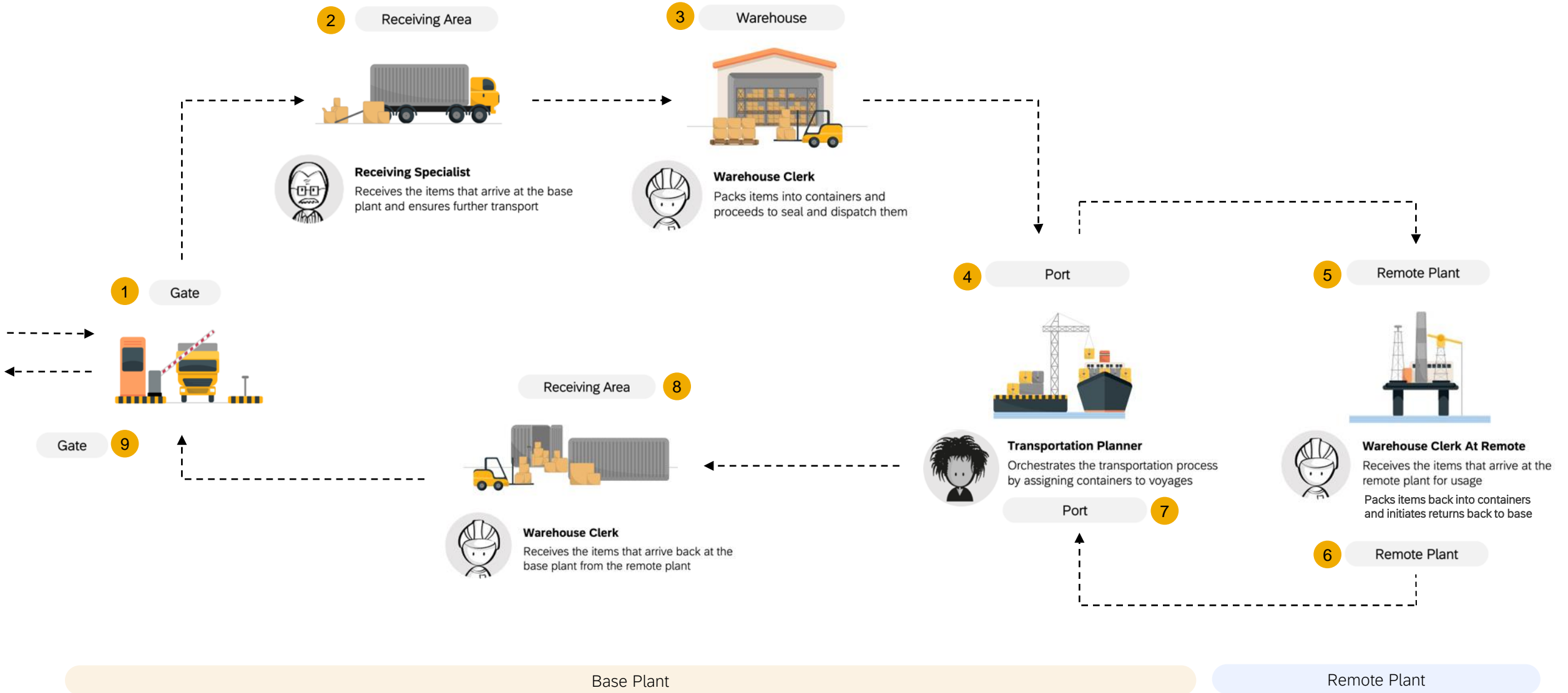


Vendor Sales Specialist

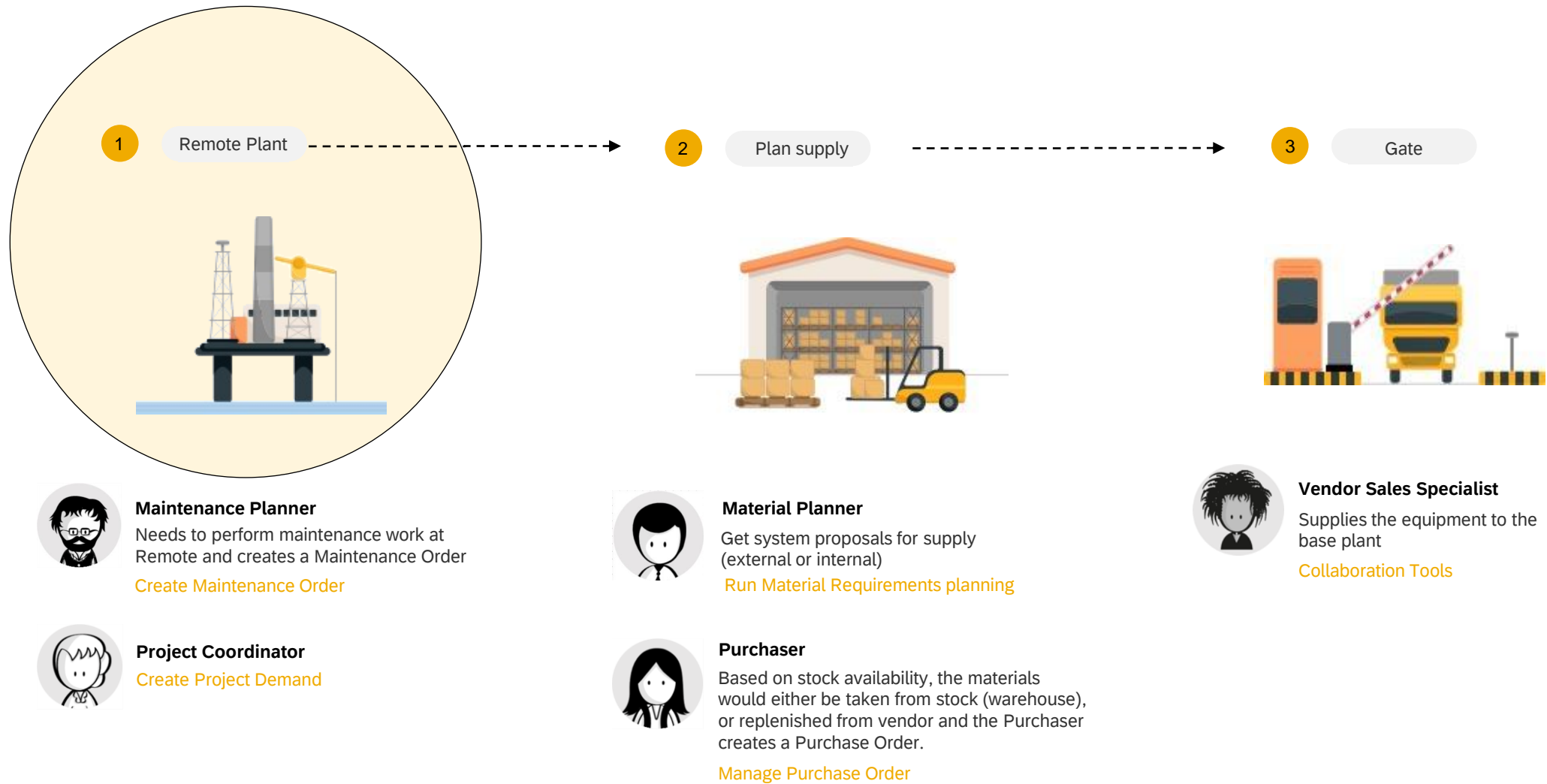
Supplies the equipment to the base plant

Collaboration Tools

Overview Execution of Logistics



Demand Initiation & Supply Planning



Create Maintenance Order

Create Maintenance Order app



Maintenance Planner

Creates Maintenance Order with Material and Services Components

SAP Create Reactive Maintenance: %00... All Search

Check Entries Change Status Additional Functions You can also

Order: %000000000001 Order Type: YA01, Reactive Maintenance Technical Object: FORP-TP Priority: 2-High System Status: CRTD MANC Phase: Planning Subphase: In Planning (0 Document(s))

General Data Location Data Organizational Data Operation Data Object List Costs Documents Permits Material Overview Phase Control

Details: Operation 0010

Operation Details Requirements Materials Services Relationships Production Resources/Tools External Data Additional Fields Phase Control

Materials

ZNT_def * Select from Structure List Select from Catalog Select from Ariba Catalog Select using Visual Enterprise Viewer Display Material Reassign

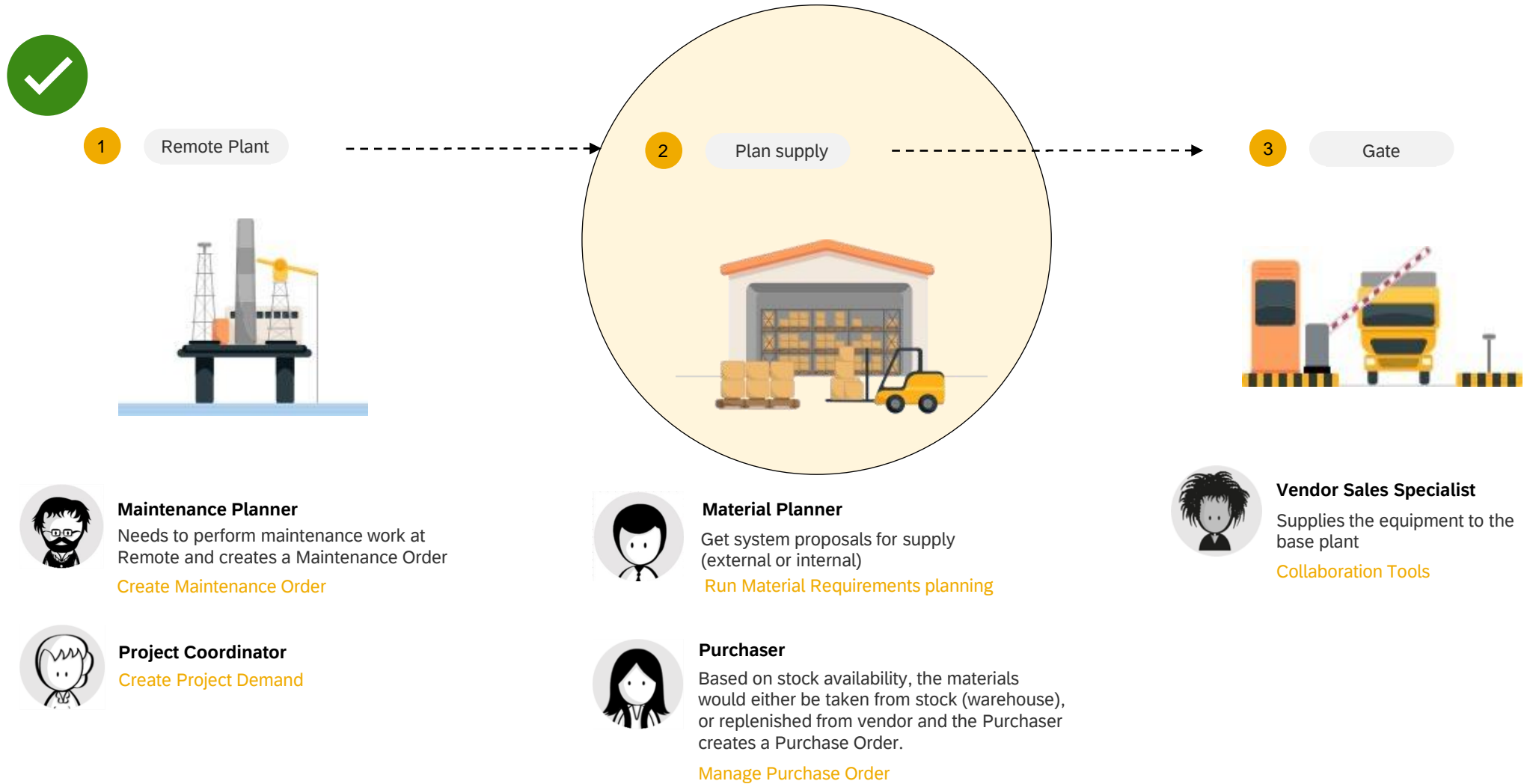
Material	Description	Item Categ...	Quantity	Unit	Plant	Purchase Requisition	Supply P...	Long Text	Storage Location	Batch	G/L Ac...	Hold On...
<input type="checkbox"/> FLOG-SP11	Gasket	Stock it...	2	EA	FORP		SP11	+				<input checked="" type="checkbox"/>
<input type="checkbox"/> FLOG-SP12	O-ring	Stock it...	3	EA	FORP		SP12	+				<input checked="" type="checkbox"/>
<input type="checkbox"/> FLOG-SP13	Spacer QM Active	Stock it...	2	EA	FORP		SP13	+				<input checked="" type="checkbox"/>
<input type="checkbox"/> FLOG-SP14	Valve	Stock it...	4	EA	FORP		SP14	+				<input checked="" type="checkbox"/>
<input type="checkbox"/> FLOG-NLAG	Non-stock material	Non-st...	1	EA	FORP		SP15	+			52001000	<input checked="" type="checkbox"/>

Field Logistics supply process is derived

Hold indicator can be set on component level (flag), on operation or header level (phase control)

PR or STR creation gets triggered

Demand Initiation & Supply Planning



Run MRP at base & remote plants

Schedule MRP run app



Material Planner

Create and schedule a job for executing your MRP runs in order to automate the planning process

< **SAP** New Job: Material Requirements Planning (MRP) ▾

Material Requirements Planning (MRP)

1 Template Selection 2 Scheduling Options 3 Parameters (Optional)

3. Parameters

Parameter Section

Planning Scope (Define at least one selection criterion.)

Plant:

Material:

Product group:

MRP Controller:

Material Scope:

Also to be Included in Planning

Changed BOM Components: ☐

All Order BOM Components: ☐

Stock Transfer Materials: ☐

Control Parameters

Regenerative Planning: ☐

Scheduling:

Planning Mode: *

Output Material List (Job Log): ☐

Schedule Check Template Cancel

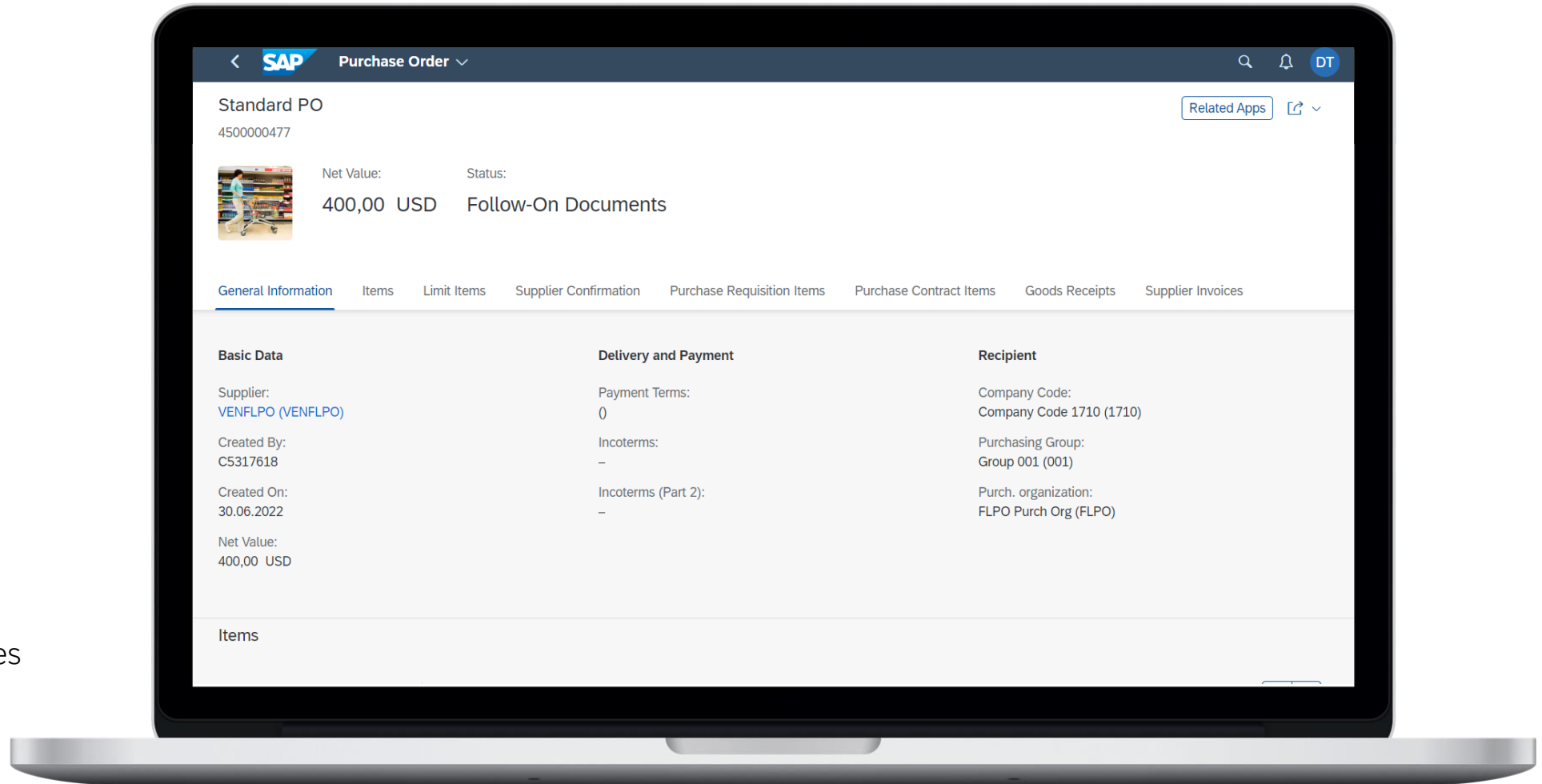
Create Purchase Order

Manage Purchase Orders app
Schedule Purchasing Jobs app



Purchaser

Creates Purchase Order
with Material and Services
Components



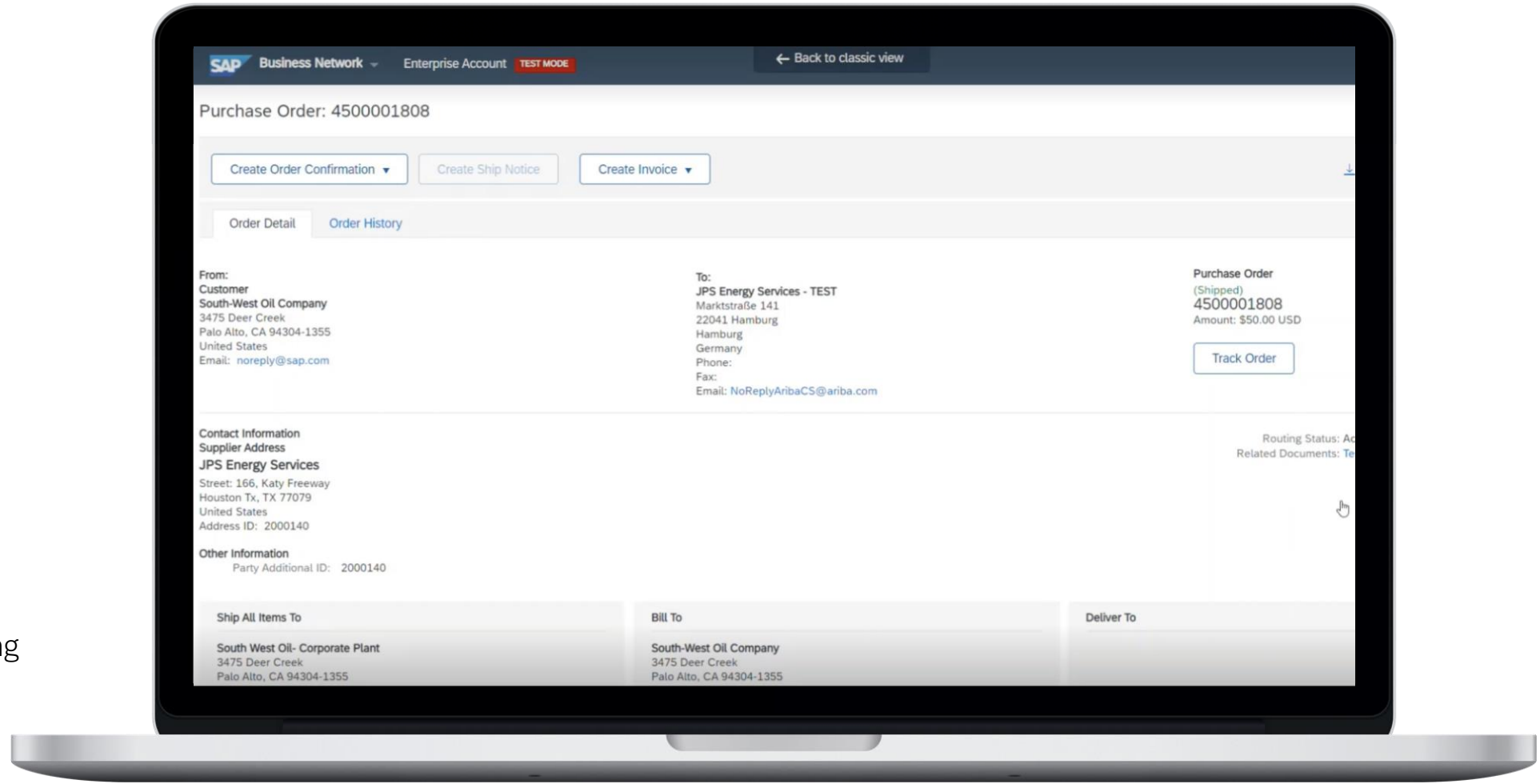
Confirm Order and Send Materials

SAP Business Network



Supplier

Confirm purchase order,
submit advanced shipping
notice, send materials



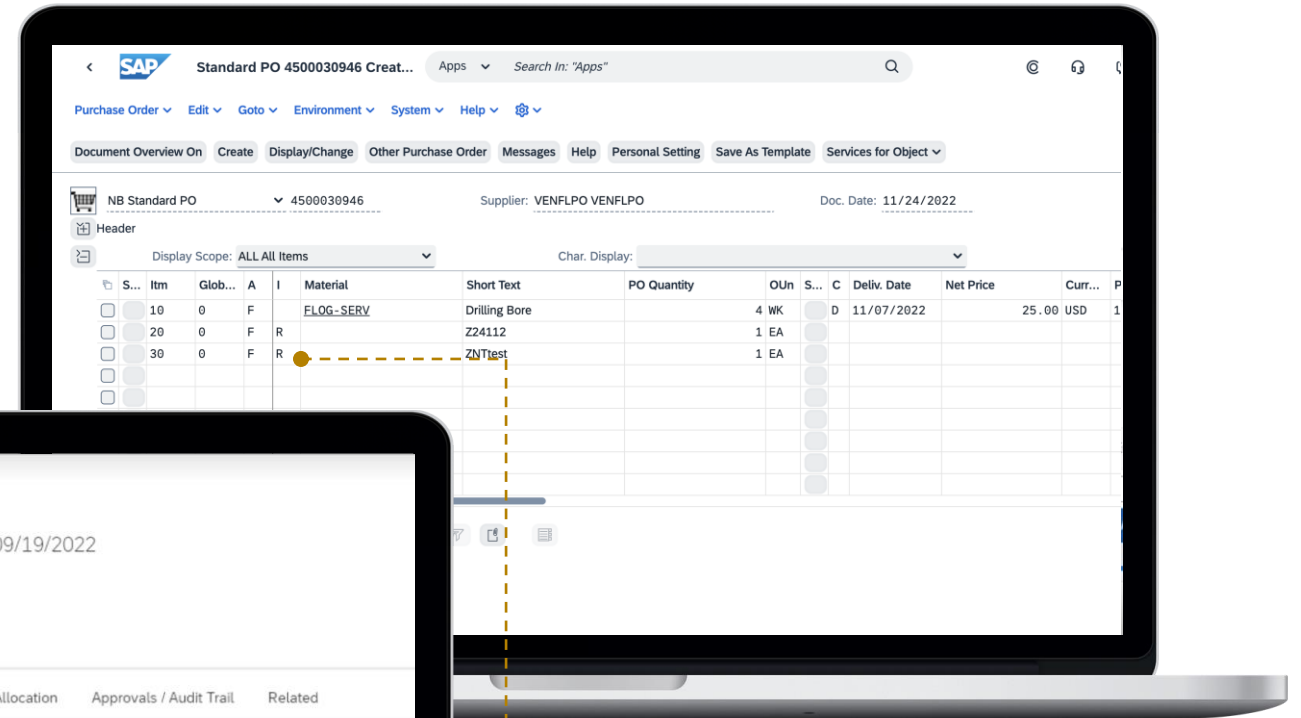
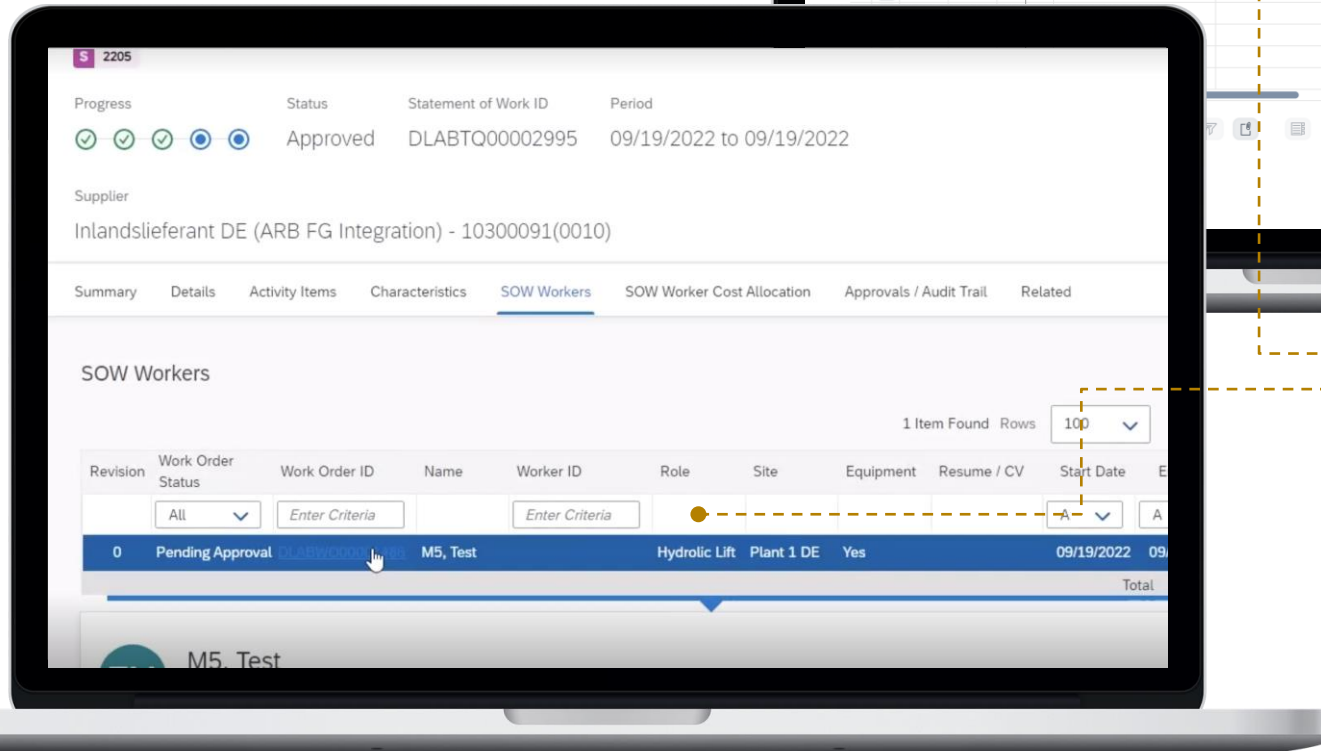
Onboard Equipment and Send Rentals

SAP Business Network
SAP Fieldglass



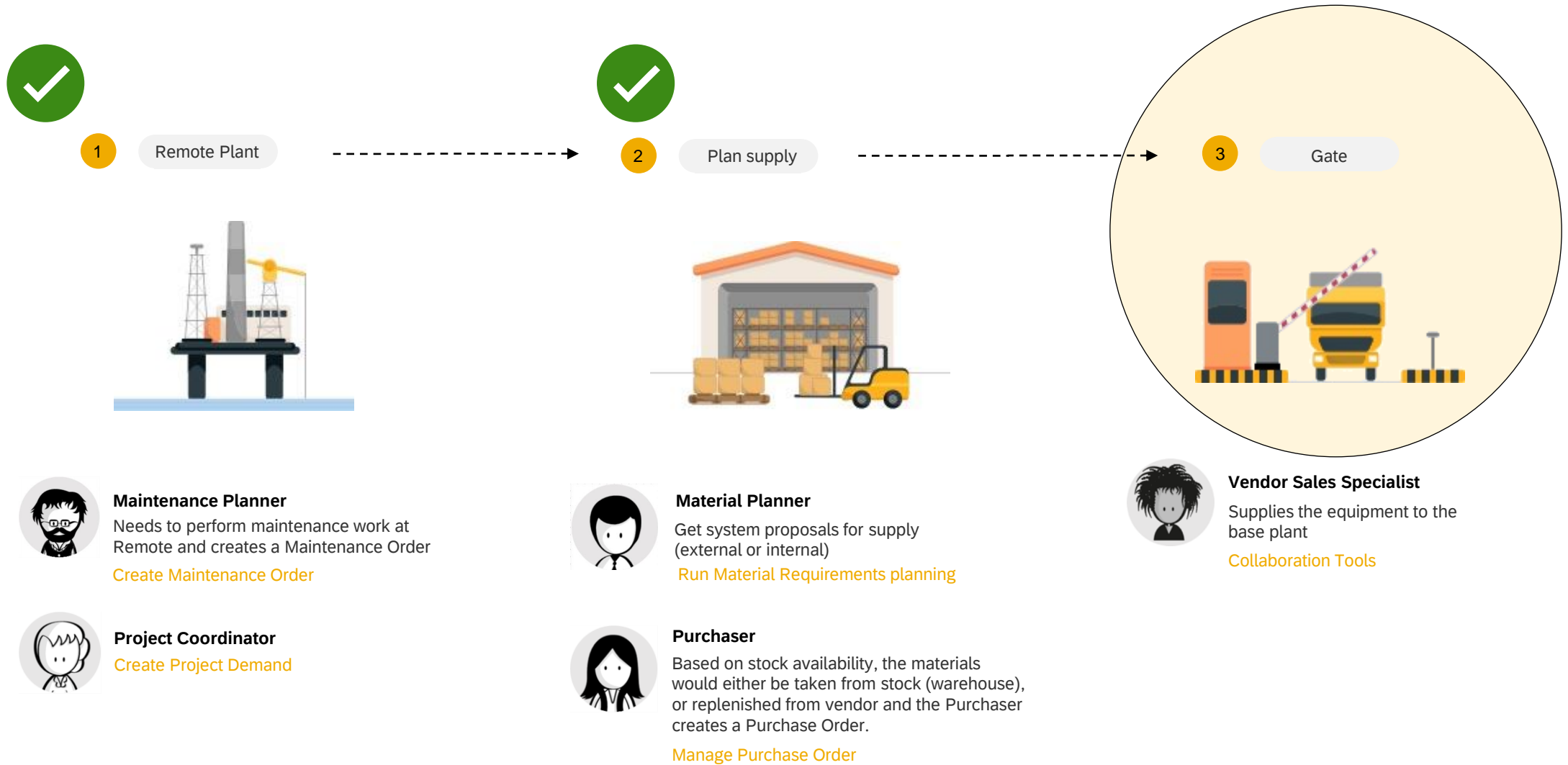
Supplier

Confirm purchase order, onboard rental equipment, send rental equipment

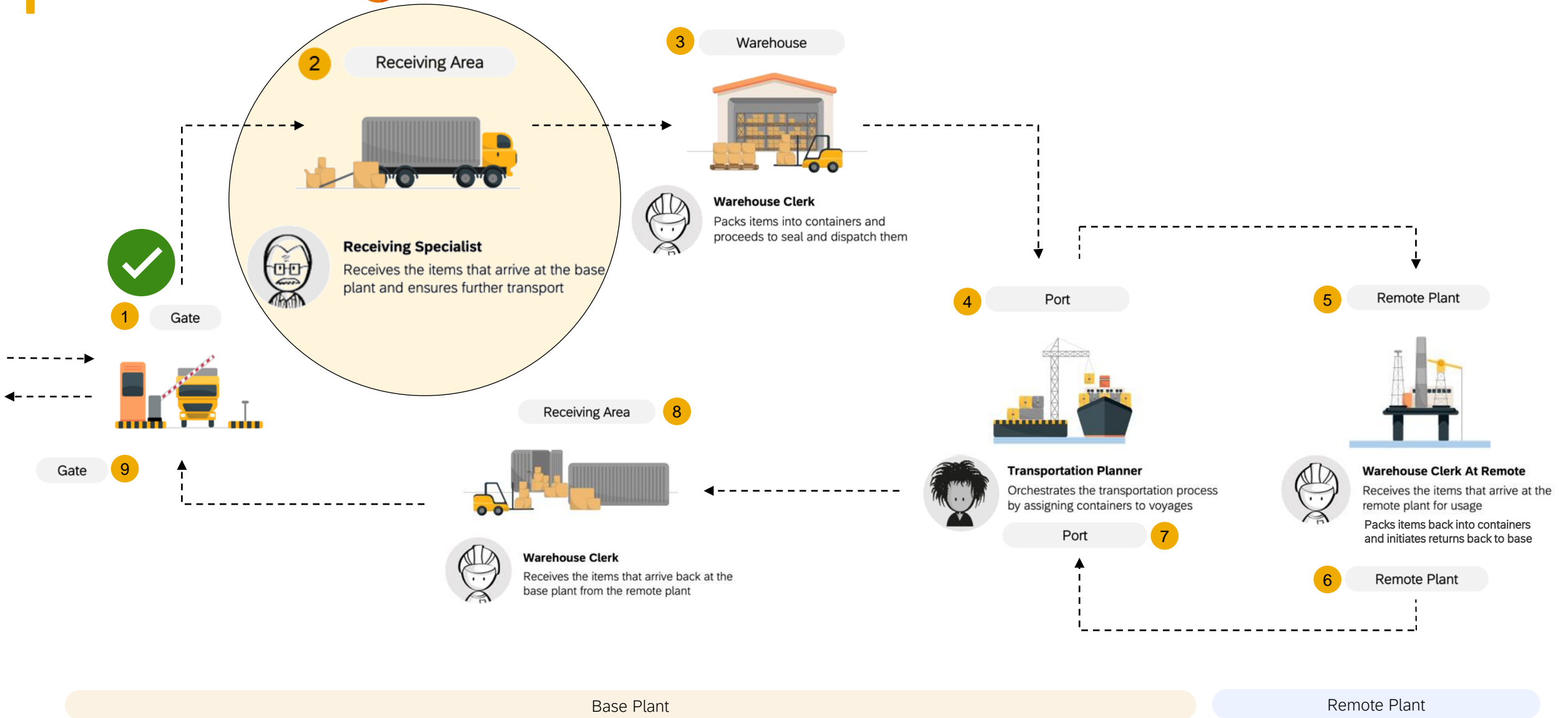


Upon completion of equipment onboarding via Fieldglass, Rental item record creation is triggered in **purchase order** and in the **Manage Logistics** repository. This record includes service start & end date, dimensions, weight, etc.

Demand Initiation & Supply Planning



Forward Logistics



Receiving at Base



Track Non-Stock and Rental items

Manage Logistics Supplier
Items app



Receiving Specialist

Tracks Rentals and Non-Stock items in the repository, including documents created and milestone events

SAP Manage Logistics

Standard

Search

Purchase Order: Supplier: Planned Delivery Date: Maintenance Order: Remote Plant:

Base Plant:

Go Adapt Filters

Arriving at Base (182) **Received at Base (117)** Ready for Transport (322) Issued from Base (329)

Items (117)

Purchase Order/ Item	Description	Item Number	Item type	Maintenance ...	Remote PL...	On Hold
4500002419/00020	Dont Use_890	DONTUSE_890	Non-Stock(Item)	4001480	FORP	Yes
Status: Received at Base Warehouse Handling Unit: 00000000000080000921						
4500002461/00010	Non-Stock material	FLOG-NLAG	Non-Stock(Item)	4001474	FORP	No
Status: Item Created Warehouse Handling Unit:						
4500002461/00020	Non-Stock material	FLOG-NLAG	Non-Stock(Item)	4001474	FORP	No
Status: Item Created Warehouse Handling Unit:						
4500002008/00040	ZNT_SAT_MBP	ZNT_EQUIP_MBP	Rental(Item)	4001291	FORP	Yes
Status: Received at Base Warehouse Handling Unit: 00000000000080000818						

Visibility of **non-stock** and **rental** items

Tracking of item **statuses** (milestone events), as well as **documents** created throughout logistics process

Navigation to related apps for execution of subsequent steps, e.g. warehouse task, maintenance order, outbound delivery, etc.

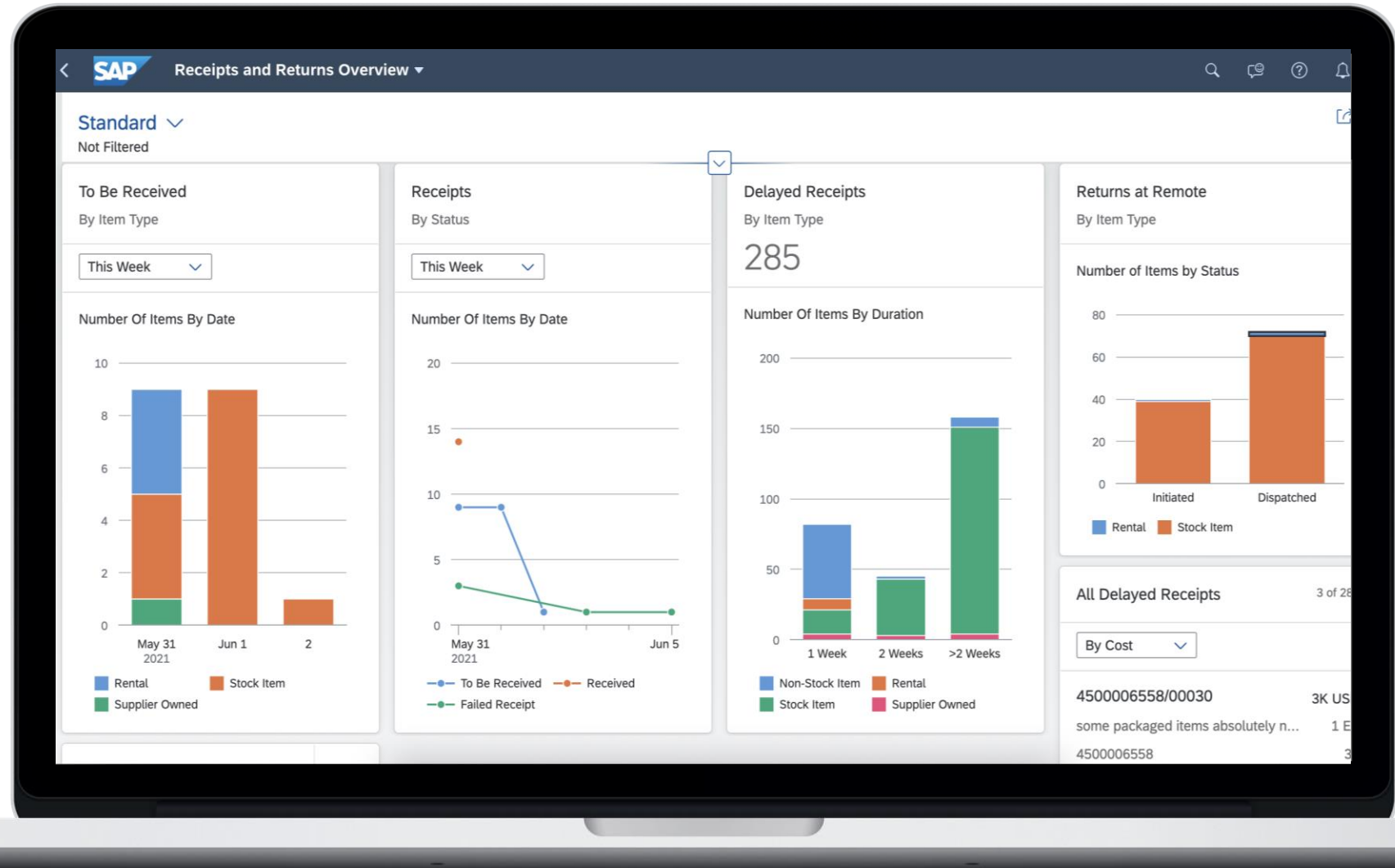
Received at Base Plant

Receipts and Returns
Overview app



Receiving Specialist

Analyzes upcoming load of receipts and returns in an aggregated dashboard



Received at Base Plant

Process Receipts app



Receiving Specialist

Receives the items that arrive at the base plant and ensures further transport

Receiving of all field logistics relevant materials, equipment from a single **mobile-enabled app**

Label printing with QR code available from the app

User can confirm receipt of any items (stock, non-stock, rental), which triggers **goods receipt** and creation of documents and links to subsequent process steps, e.g.:

- **Hold** status defined by hold indicator setting in the Maintenance Order
- **Quality inspection** triggered for QM-managed materials
- **Stock transfer** is created
- **Outbound delivery** is created
- **Warehouse task** gets triggered for the **handling units** that were received

Applicable **supply process** is triggered for the received item

Supply chain information: view list of predecessor and follow-on documents

Handling of **batches** and **valuation types**, upload of attachments during and after receipt

Forward Logistics



2

Receiving Area



Receiving Specialist

Receives the items that arrive at the base plant and ensures further transport

3

Warehouse



Warehouse Clerk

Packs items into containers and proceeds to seal and dispatch them

4

Port



5

Remote Plant



Warehouse Clerk At Remote

Receives the items that arrive at the remote plant for usage

Packs items back into containers and initiates returns back to base

6

Remote Plant

Port

7

Transportation Planner

Orchestrates the transportation process by assigning containers to voyages

8

Receiving Area



Warehouse Clerk

Receives the items that arrive back at the base plant from the remote plant



1

Gate



Gate

9

Base Plant

Remote Plant

Pack Items into Container



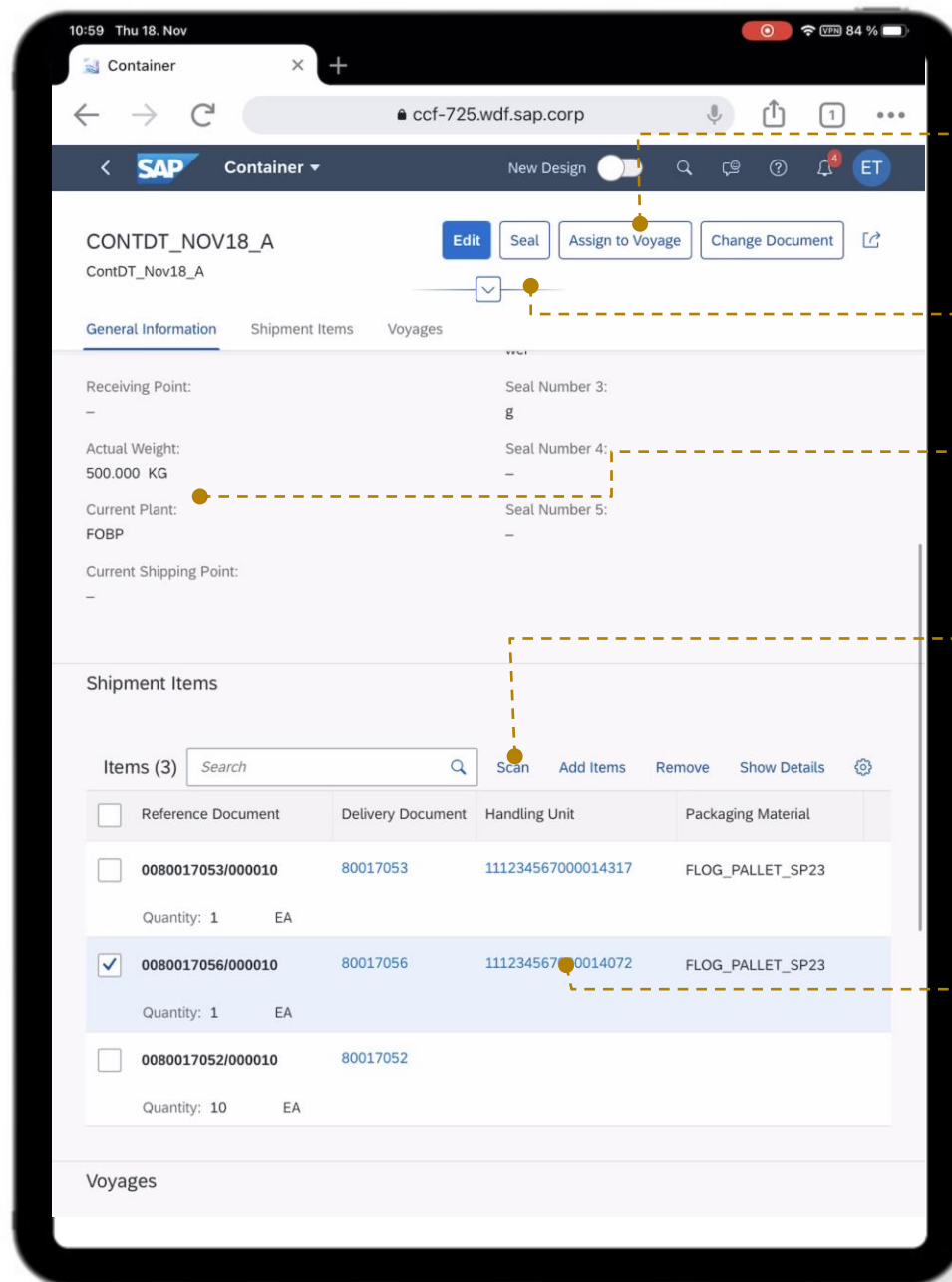
Pack Containers app

Pack Containers app



Packs items into containers
and proceeds to seal and
dispatch them

Packs items into containers
and proceeds to seal and
dispatch them



Container can be **sealed, goods issued** and **dispatched** from the Pack Containers app

- Mass action for all items packed in the container

The system checks for containers that match assignment criteria based on the **physical properties**: volume, weight, destination, etc.

Users can select items (deliveries or handling units) that need to be packed into a container

- Assignment to container can be done via **QR code scanning**

Container certificates and expiry dates are captured and considered

Navigation to related apps for more details, e.g. handling unit, outbound delivery, etc.

Kitting at base warehouse

Pack Containers app



Warehouse Clerk

Ensures Kit items are received, picked and prepared for transportation to remote prior to maintenance start

4004742
Destination Plant: FORP
Basic Start Date: 30.11.2022
Scheduled Start Date: 30.11.2022

Kit Status
Picked: 3
Received: 1
To Be Received: 9

Maint. Order Priority: Medium

Picked | Received | To be Received

Delivery Document / Item	Item Quantity	Handling Unit
80026240/000010 Delivery Due Date: 28.11.2022 Delivery Document: 80026240	4	EA
80025968/000010 Delivery Due Date: 28.10.2022 Delivery Document: 80025968	5	EA 00111234567000002529
80025926/000010 Delivery Due Date: 28.10.2022 Delivery Document: 80025926	1	EA

Received

Item	Item Quantity	Handling Units
0080026246/000010 Warehouse Tasks: Warehouse Tasks Delivery Document: 80026246	5	EA

Visibility of kits, which are defined as a logical grouping based on a maintenance order header or operation

- Track **kit status** from creation of maintenance order until receipt of the items belonging to the kit at remote
- **Prioritize** based on maintenance order priority and start date

Ensure the kit is complete on time

View all components that belong to the same kit divided into 3 categories:

- To be received
- Received
- Picked

Pack kit items into containers, mass goods issue and **dispatch** to remote plant on time and in alignment with maintenance order start date

Navigation to related apps for more details, e.g. handling unit, outbound delivery, etc.

Create Container

Manage Container
Master Data app



Master Data IOG

Create Container
Master Data

CONTFIO
ContFIOGN225099
Plant: New Plant FOBP (FOBP)
Container Category: Own Container
Container Type: –

Status
Available

General Information | Physical Properties | Capacity | Temperature | Certificates | Attachments

Container

Equipment Number: 10000005	Container Supplier: –	Current Location: New Plant FOBP (FOBP)
Packaging Material: –	Changed On: 09.12.2022, 12:11:34	
Container Owner: Store St. Ingbert (1040)	External Id: –	

Physical Properties

Maximum Length: 20 FT	Maximum Gross Weight: 30.000,000 KG	Footprint: 14,864 M2
Maximum Width:	Tare Weight:	Tare Volume:

Container status
based on container
availability at a specific
location and
certification

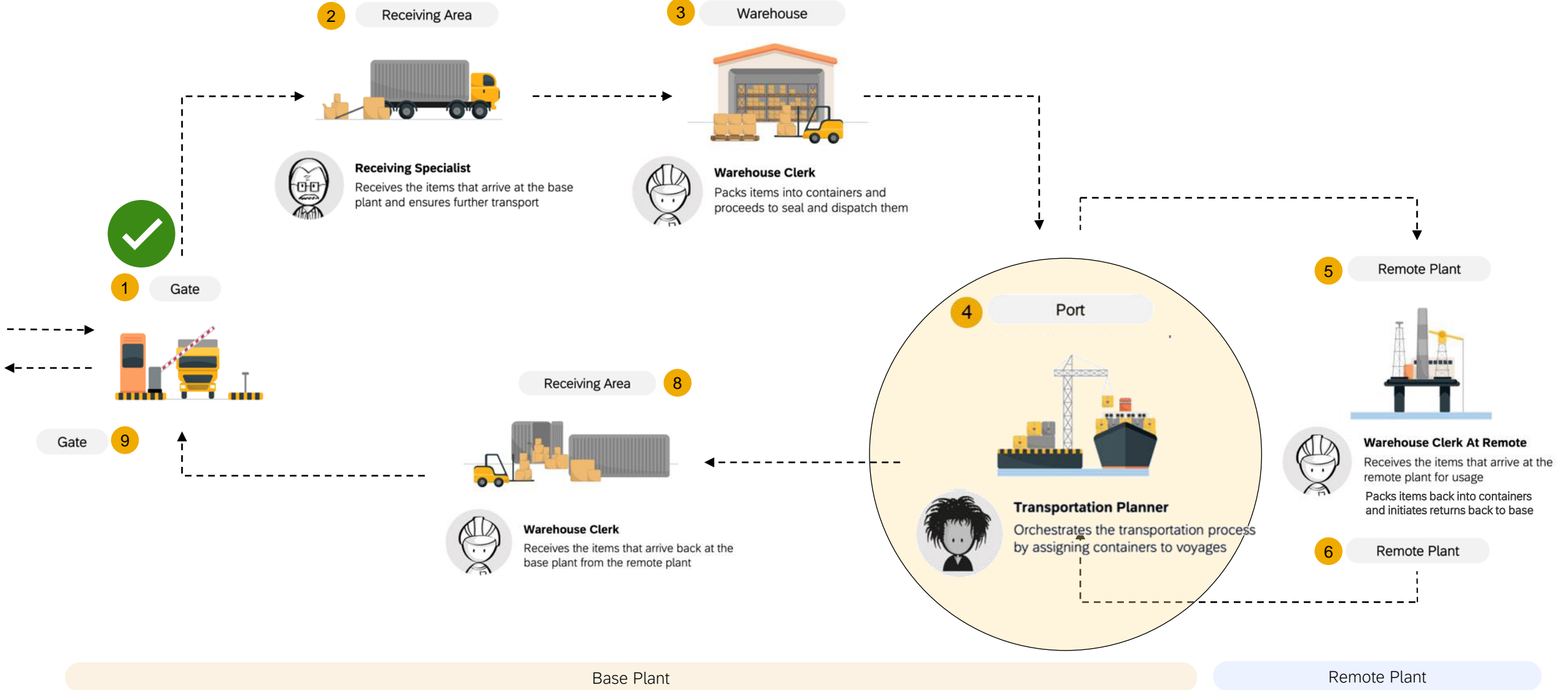
Maintain **certificate
data** and **validity** –
container with expired
certification prevented
from being used

Physical properties
that are considered
during packing

Container type
templates with pre-
defined data

Migration object for
container data

Forward Logistics



Voyage Management



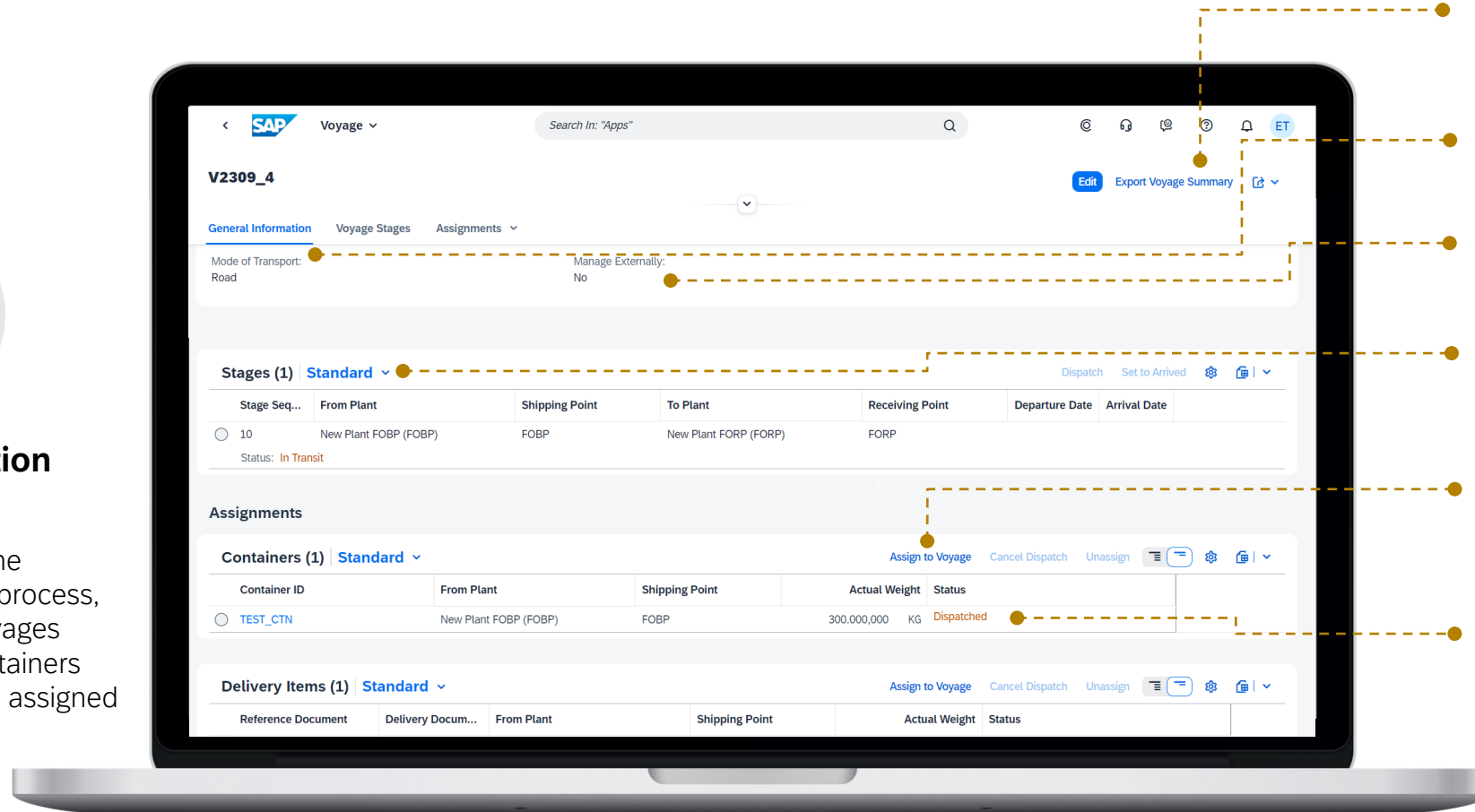
Managing Voyages

Manage Field Logistics
Voyages app



Transportation Planner

Orchestrates the transportation process, dispatches voyages along with containers and shipments assigned to them



Create Voyages

Voyage summary can be exported in Excel and PDF format

Modes of transport: road, sea, air, rail

APIs supporting **external system integration**

Voyage stages can be maintained, multiple stages assignment supported

Assignment of containers, delivery items and handling units to a voyage

Voyage **Dispatch** action triggers dispatch of containers, deliveries, and HUs assigned to it

Forward Logistics



2

Receiving Area



3

Warehouse



Receiving Specialist

Receives the items that arrive at the base plant and ensures further transport



Warehouse Clerk

Packs items into containers and proceeds to seal and dispatch them



1

Gate



Gate

9



4

Port



Transportation Planner

Orchestrates the transportation process by assigning containers to voyages

Port

7

5

Remote Plant



Warehouse Clerk At Remote

Receives the items that arrive at the remote plant for usage

Receiving Area 8



Warehouse Clerk

Receives the items that arrive back at the base plant from the remote plant

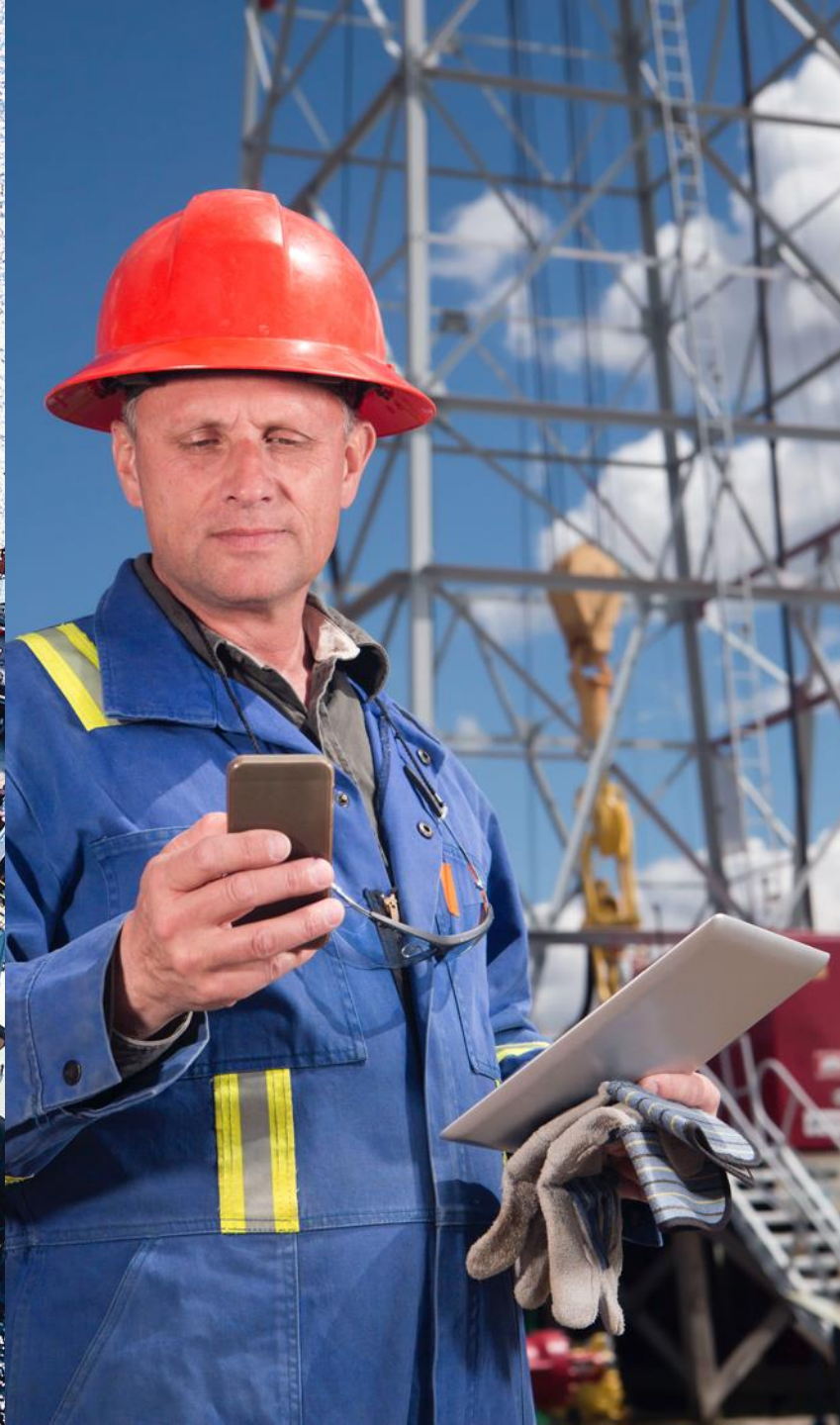
Base Plant

Remote Plant

Voyage dispatch to Remote



Receipt at Remote



Received at Remote Plant

Process Cross Plant Receipts app



Warehouse Clerk

Receives the items that arrive at the remote plant for usage

The screenshot displays the SAP Container app interface on a tablet. At the top, the status bar shows the time as 16:12 on Monday, December 12, 2022, and the battery level at 58%. The browser address bar shows the URL 'ccf-715.wdf.sap.corp'. The app header includes the SAP logo, a 'Container' dropdown, and navigation icons. The main section is titled 'CONTD_0908_1' and features a 'Receive' button and a 'Related Apps' link. Below this, container details are listed: Dispatch Period (12.12.2022), Shipping Point (FOBP), Receiving Point (Remote), Dispatch Location (New Plant FOBP (FOBP)), Voyage Number (VOYDT_0908), Container Released (No), and Container Supplier (—). A 'Container Status' section shows 'Arrived' with a red dot. To the right, seal numbers are listed: Seal Number 1: 234, Seal Number 2: 345, Seal Number 3: sdf, Seal Number 4: —, and Seal Number 5: —. Below the status section, a 'Container Items (3)' table is displayed with columns for Product, Reference Document Number, and Handling Unit. The table lists three items: 1. UUID080922 (Quantity: 1, EA, Status: Arrived, Handling Decision: Send to Usage, Base Storage Location: New StorageLoc. (FOBN), Remote Storage Location: —), 2. FLOG-SP14 (Quantity: 3, EA, Status: Arrived, Handling Decision: Send to Inventory, Base Storage Location: New StorageLoc. (FOBW), Remote Storage Location: New StorageLoc. (FORN)), and 3. FLOG-SP14 (Quantity: 3, EA, Status: Arrived, Handling Decision: Send to Inventory, Base Storage Location: New StorageLoc. (FOBW), Remote Storage Location: New StorageLoc. (FORN)). A 'Scan' button is visible above the table. A context menu is open over the 'Scan' button, showing options: 'Receive', 'Notify', 'Not Found', 'Show Less per Row', 'Settings', and a QR code icon.

Receiving container at remote

- By clicking *Receive*, mass-receive all items packed into the container

Container **status** reflects availability of the container for further use

Use the **scan** functionality for QR-code scanning

Receipt of items individually supported, as well as **mass-receipt**

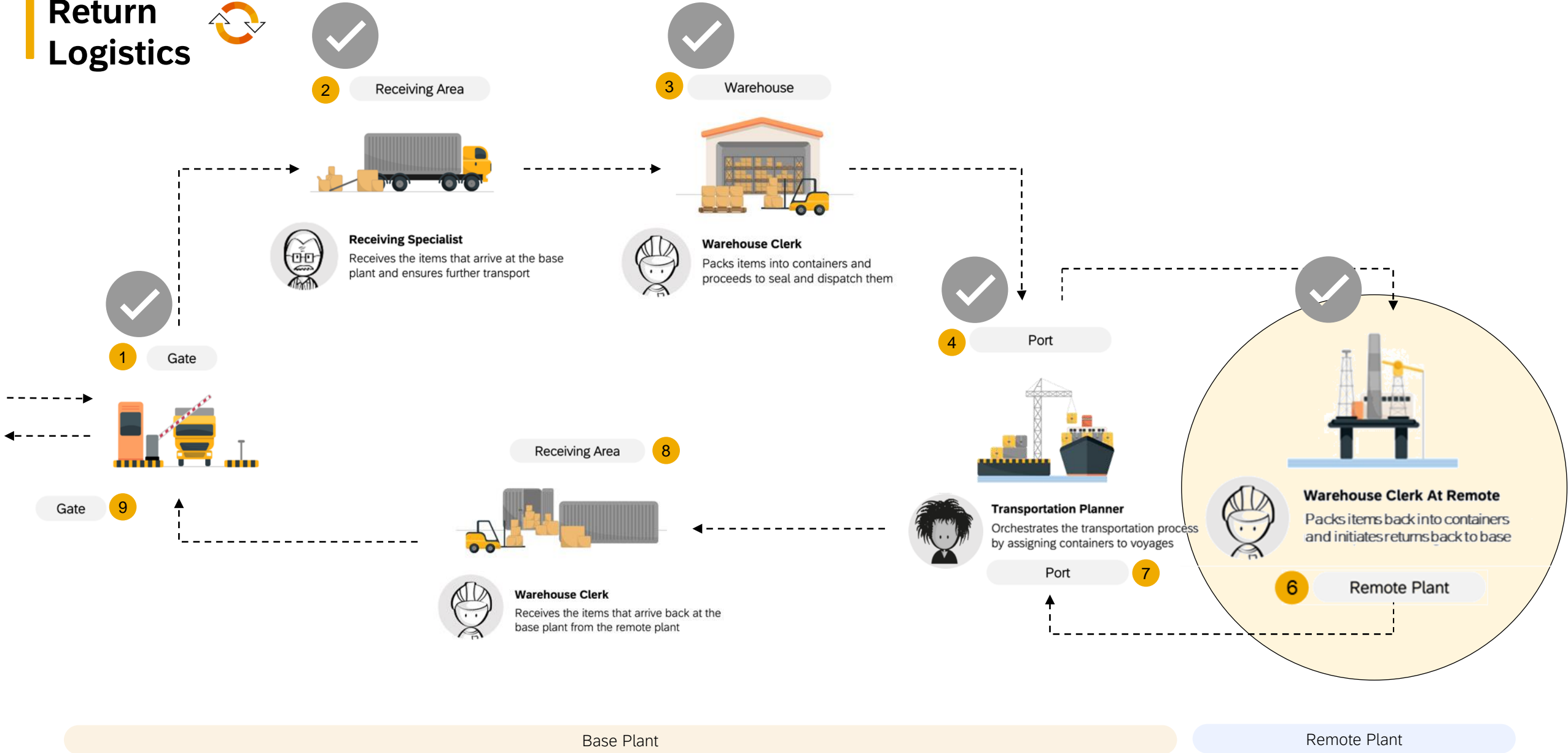
Handling Decision pre-filled based on SSCUI configuration

Storage location at remote pre-filled based on inbound documentation

Executing Work Order



Return Logistics



Initiate Returns



Returns from Remote Plant

Perform Maintenance Job app
Initiate Returns by Maintenance Order app



Maintenance Technician

Confirms job execution for the maintenance order/operation. Indicates returnable components.

Work has been **completed**

Confirmations recorded

Notification to the warehouse clerk triggered



Warehouse Clerk

Receives a notification that job is done and return can be initiated for relevant components. Navigates to the app to trigger returns.

Returns from Remote Plant

Initiate Returns by Product app



Warehouse Clerk at Remote

Initiate returns and dispatch

Initiate Returns

FLOG-SP11

Product Details | Additional Details | Handling Units | Reservation | Return Document Flow

Product	Storage Location	Recommended Action
FLOG-SP11	EWM Remo. St LOC (FORH)	[Dropdown Menu]

Returnable Quantity In Order Unit: [Input Field]

Additional Details

General

Product Description: Gasket - QM Inactive

Load Quantity: 0,000

Destination Storage Location: FOBP Storage loc (FOBW)

Destination Plant: FOBP

Stock Type: Unrestricted use

Minimum Safety Stock Quantity: 0

Comment: [Text Area]

Business Documents

Create Outbound Delivery: [Checkbox]

[Save] [Cancel]

Scan QR code and initiate returns by product

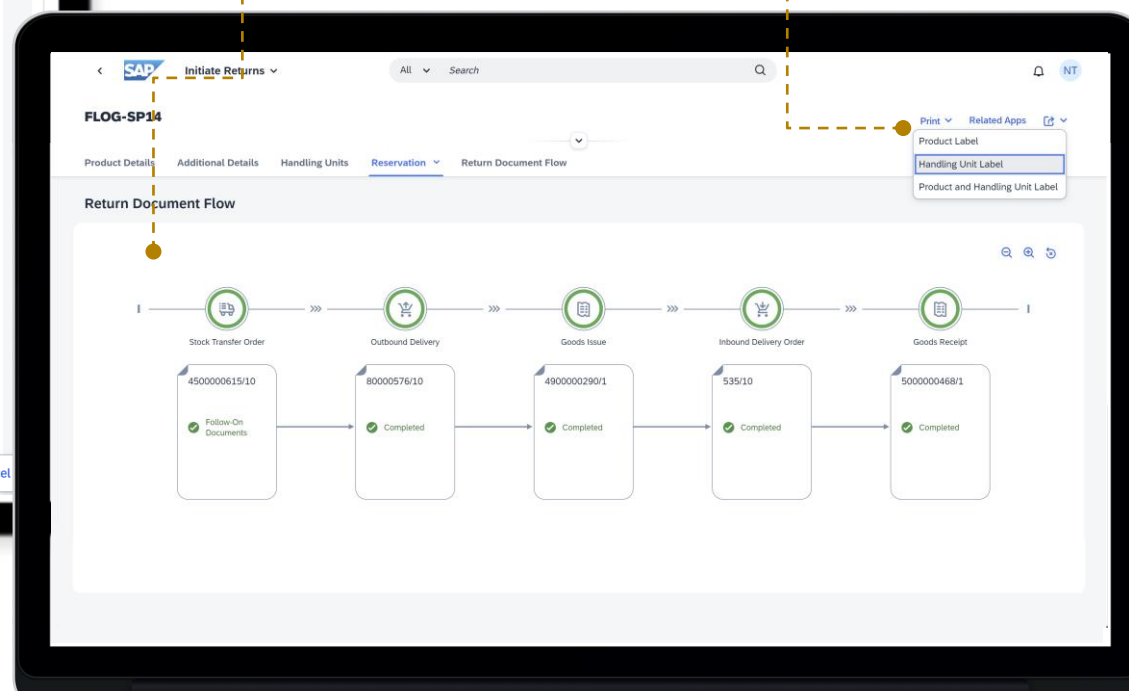
Default return **recommended action** (or select manually):

- Return to base inventory
- Return to scrap/Sell
- Return to vendor
- Temporary storage
- Repair/Recertification
- Internal repair*

Automatically created documents for return process flow: **stock transfer, outbound delivery**

Track the **return document flow**

Print label with QR code



Return Logistics



2

Receiving Area



3

Warehouse



Receiving Specialist

Receives the items that arrive at the base plant and ensures further transport



Warehouse Clerk

Packs items into containers and proceeds to seal and dispatch them



1

Gate



Gate

9

Receiving Area

8



Warehouse Clerk

Receives the items that arrive back at the base plant from the remote plant



Transportation Planner

Orchestrates the transportation process by assigning containers to voyages

Port

7



5

Remote Plant



Warehouse Clerk At Remote

Receives the items that arrive at the remote plant for usage

Packs items back into containers and initiates returns back to base

6

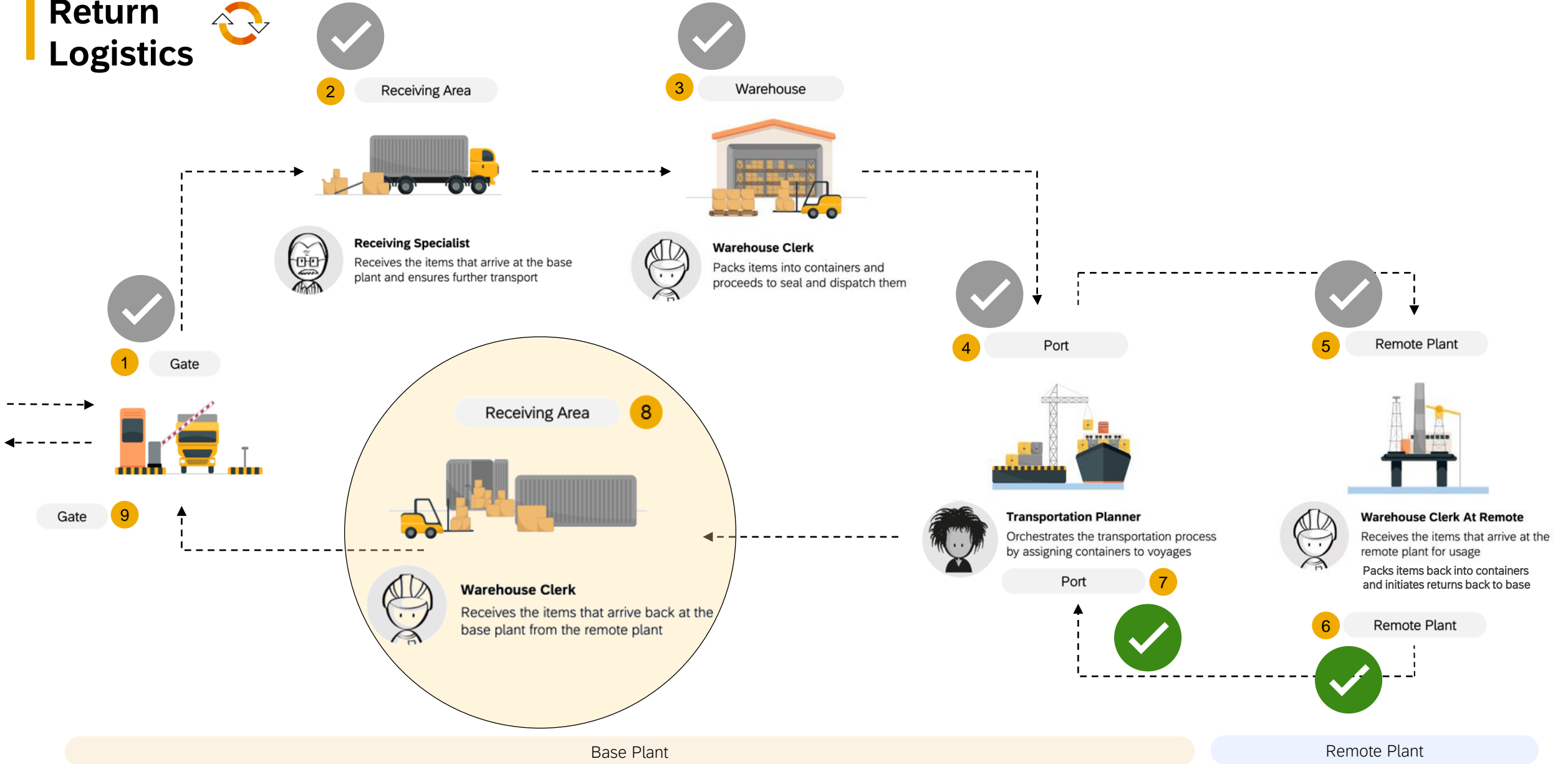
Remote Plant



Base Plant

Remote Plant

Return Logistics



Receive Returns @ Base



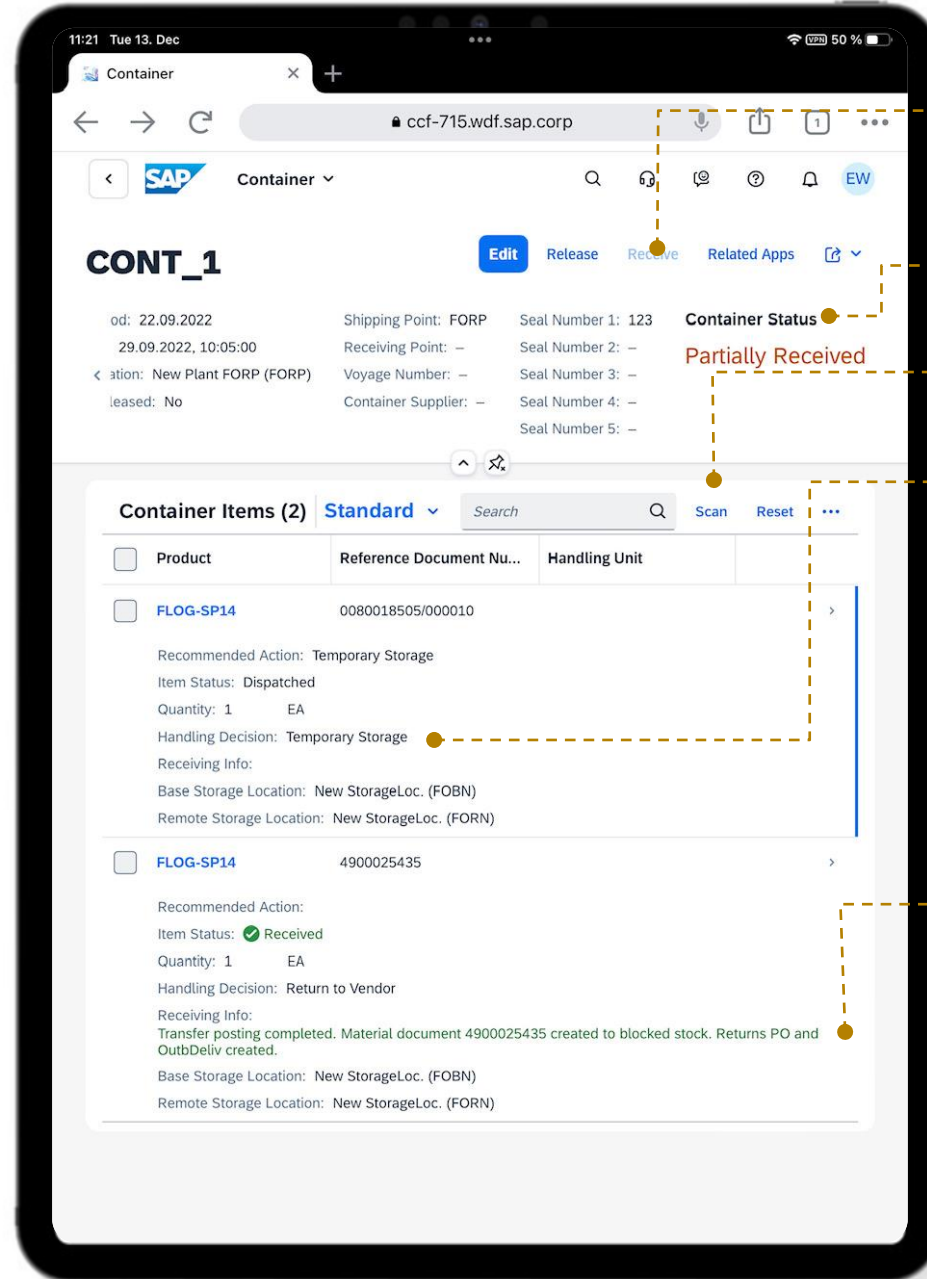
Returned Back To Base Plant

Process Cross Plant Receipts app



Warehouse Clerk

Receives the items that arrive back at the base plant from the remote plant



Receiving container back at base

- By clicking *Receive*, mass-receive all items packed into the container

Container **status** reflects availability of the container for further use

Use the **scan** functionality for QR-code scanning

Handling decision pre-filled with return recommended action (can be amended when receiving):

- Return to base inventory
- Return to scrap/sell
- Return to vendor
- Temporary storage
- Repair/Recertification
- Internal repair *

Automatic creation of follow-on documents, e.g.:

- Material document
- Warehouse task
- Return purchase order
- Return outbound delivery

Receiving & post-processing info as reference and guidance for next steps

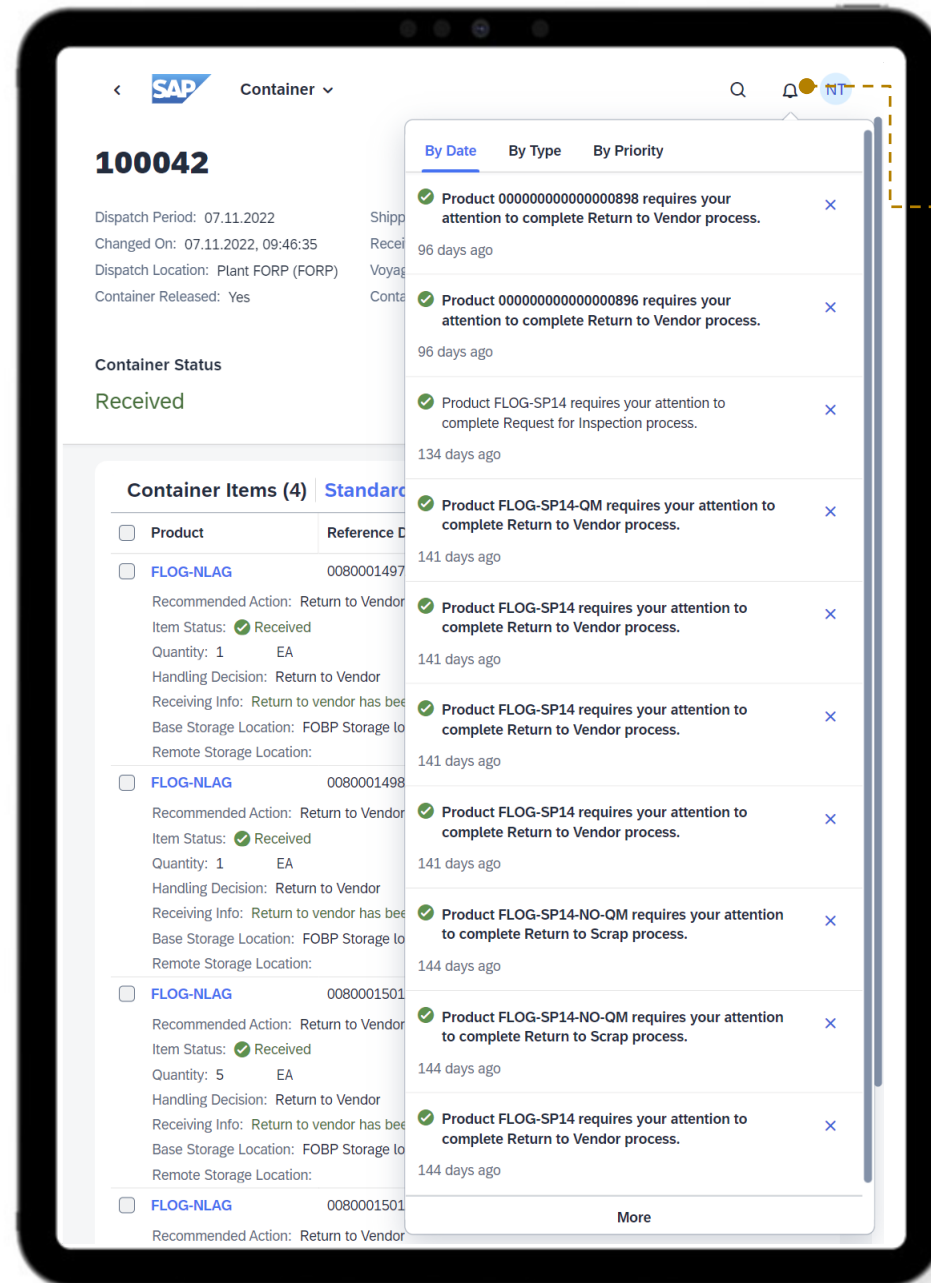
Returned Back to Base Plant

Process Cross Plant Receipts app



Warehouse Clerk

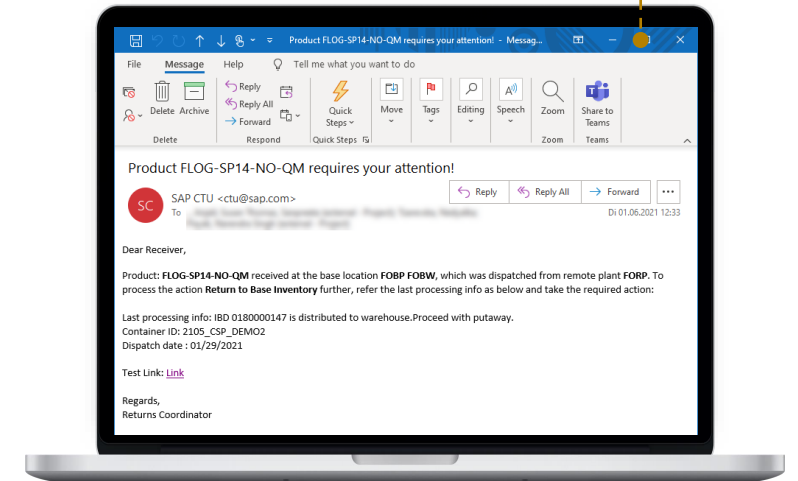
Triggers notification to internal stakeholders for post-processing



Trigger system **notification** and **e-mail** to stakeholders responsible for post-processing (e.g. Maintenance, Procurement) based on handling decision and item type

Notifications based on the **Teams and Responsibilities** feature of SAP S/4HANA

Navigate to the processed item(s) in the container from the notification



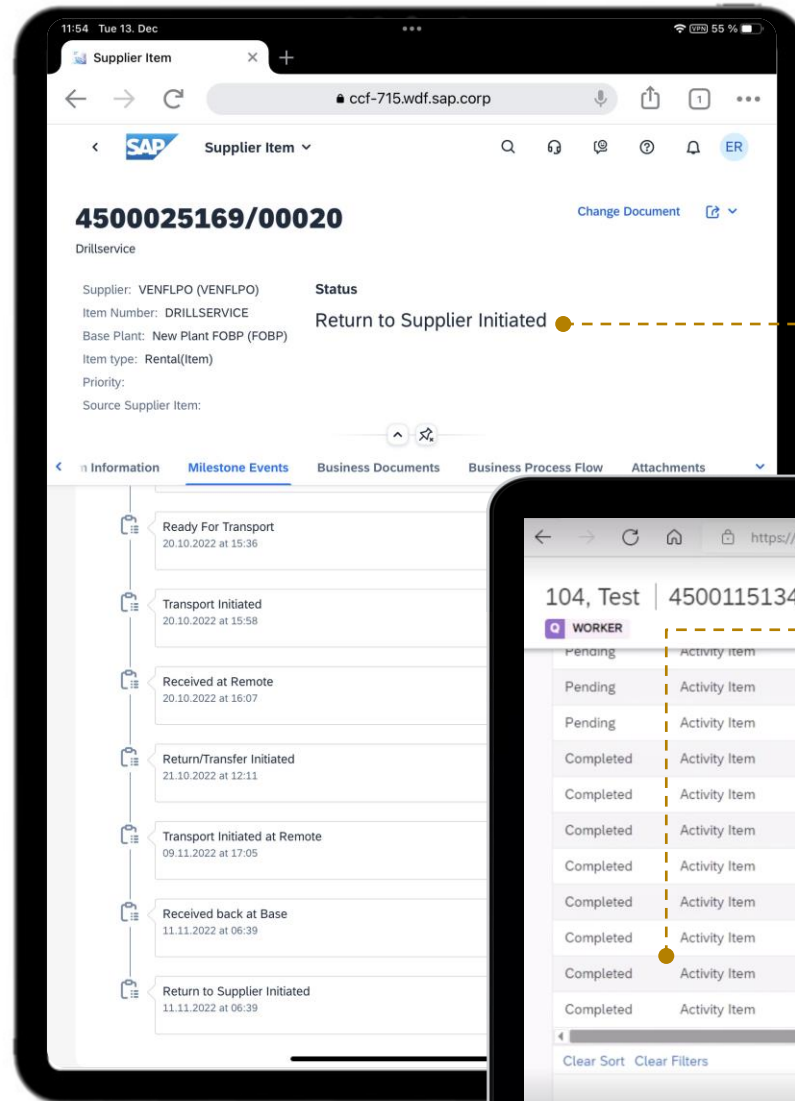
Rental Return to Vendor

Manage Logistics - Supplier Items app
SAP Fieldglass



Rentals Coordinator

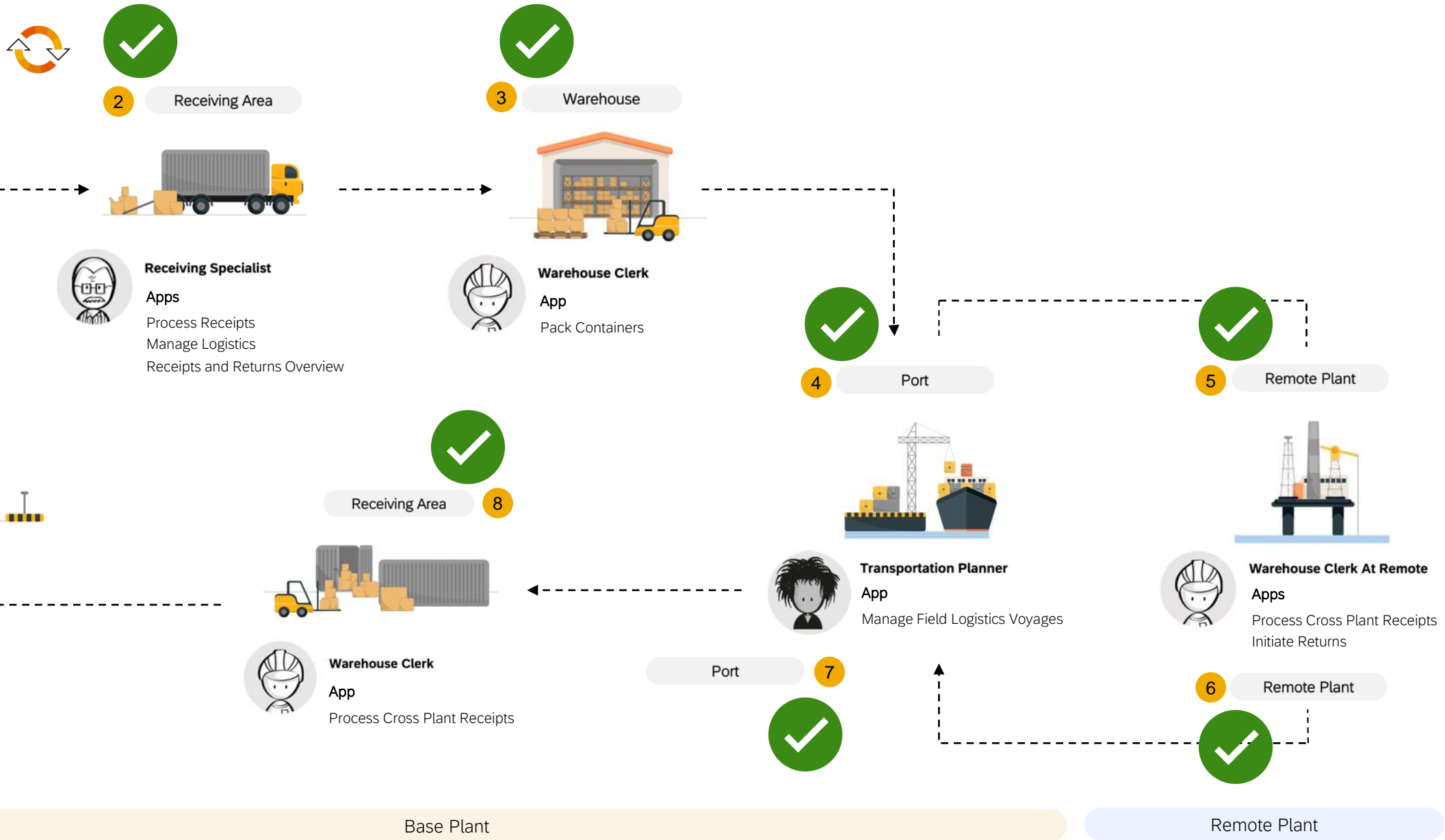
Receives the items that are back at the base plant from remote plant



Rentals lifecycle can be tracked via milestone events updated in Manage Logistics repository and in Fieldglass

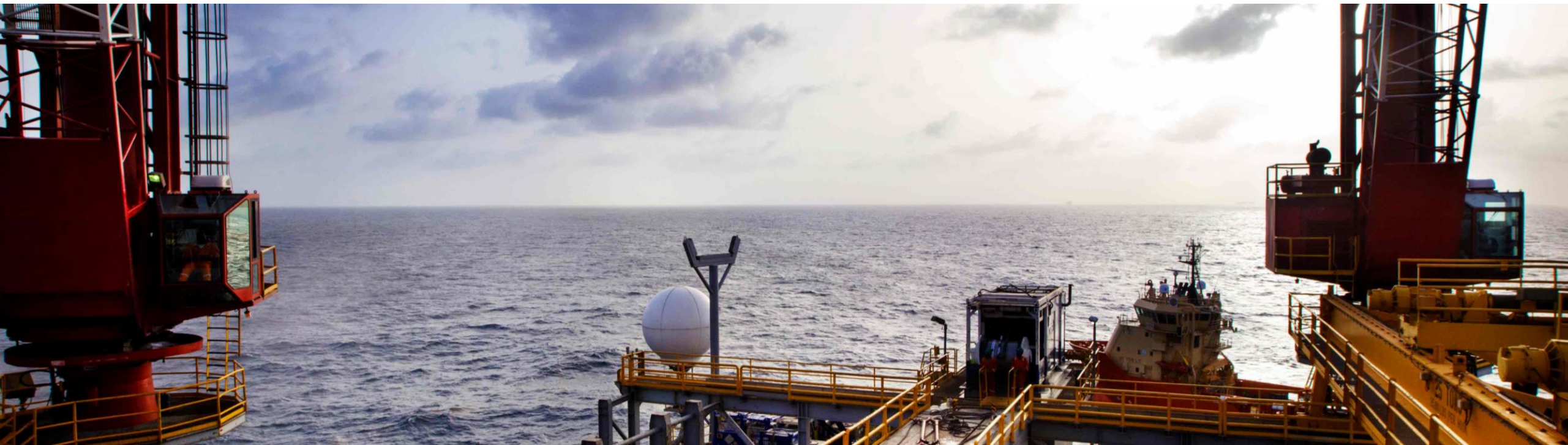
104, Test 4500115134									Actions
Pending	Activity Item	OnboardingByWorker	Ma...	Co...	Wor...				DLABTOC
Pending	Activity Item	OnboardingBySupplier	Ma...	Co...	Sup...	10/12/2022	10/11/2022	10/13/2022	DLABTOC
Pending	Activity Item	OnboardingByWorker	Ma...	Co...	Wor...	10/12/2022	10/11/2022	10/13/2022	DLABTOC
Completed	Activity Item	Ready for transport	Other	Co...	SO...	10/04/2022	09/30/2022	10/05/2022	DLABTOC
Completed	Activity Item	Received at base	Other	Co...	SO...	10/11/2022	09/30/2022	10/13/2022	DLABTOC
Completed	Activity Item	Received at remote	Other	Co...	SO...	10/11/2022	10/07/2022	10/12/2022	DLABTOC
Completed	Activity Item	Received back at base	Other	Co...	SO...	10/11/2022	10/10/2022	10/13/2022	DLABTOC
Completed	Activity Item	Return initiated	Other	Co...	SO...	10/13/2022	10/11/2022	10/14/2022	DLABTOC
Completed	Activity Item	Return to supplier initiated	Other	Co...	SO...	10/11/2022	10/10/2022	10/12/2022	DLABTOC
Completed	Activity Item	Transport initiated	Other	Co...	SO...	10/10/2022	10/06/2022	10/11/2022	DLABTOC
Completed	Activity Item	Transport initiated at remote	Other	Co...	SO...	10/15/2022	10/13/2022	10/17/2022	DLABTOC

Overview

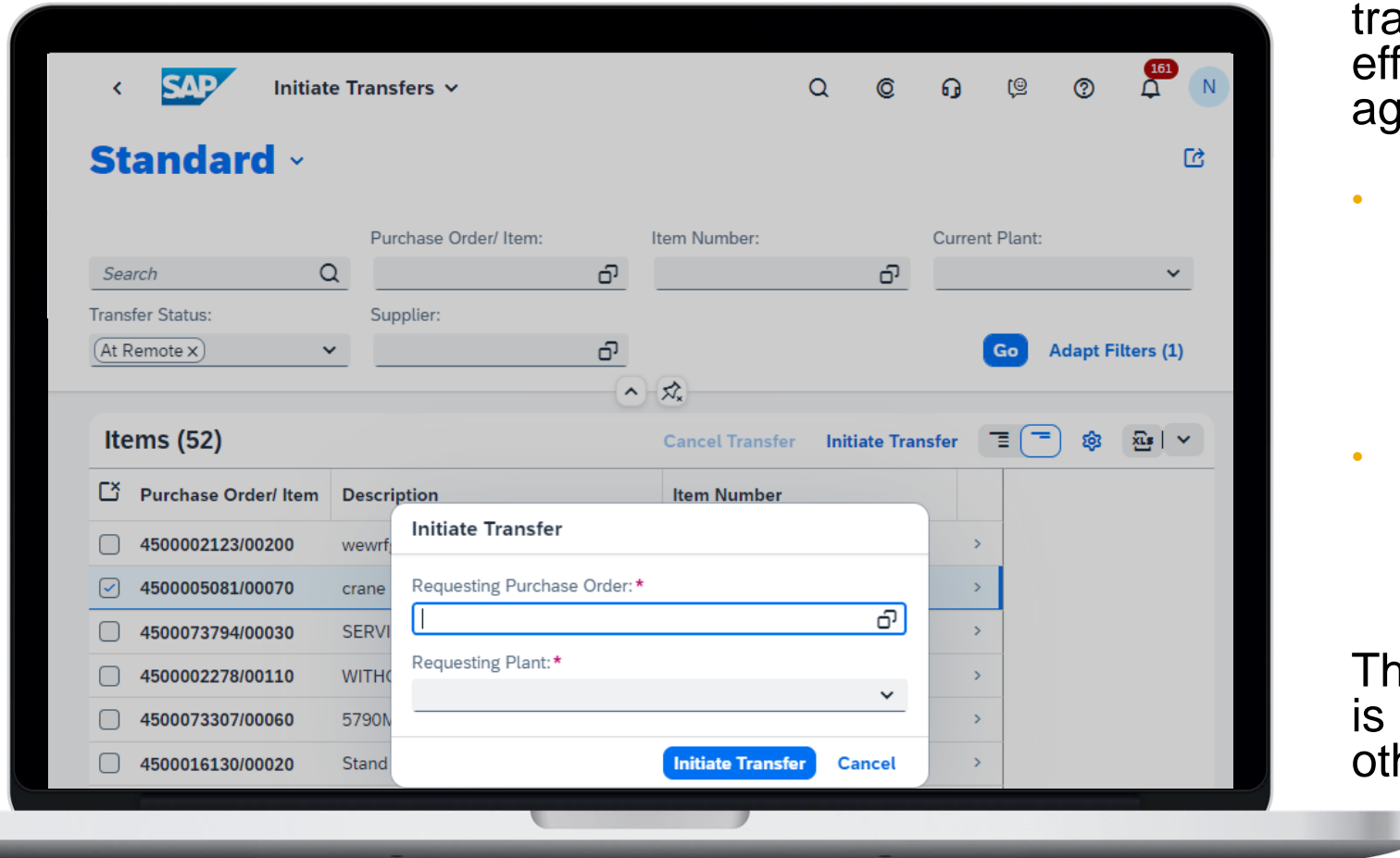


SAP S/4HANA in Upstream Oil & Gas

Additional Field Logistics Functionalities



Initiate Transfers for Rentals and 3rd party items



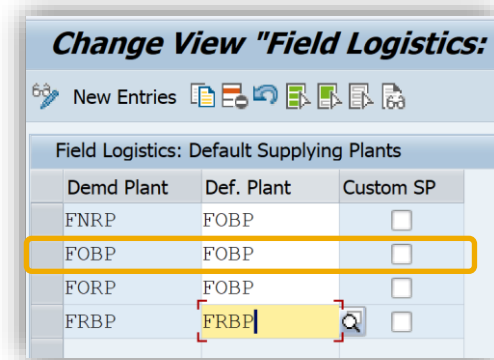
Enables a process for direct rig to rig transfer, without wasting time and effort to return to base and send out again

- Find rental and 3rd party items currently in use at remote, initiate transfer of required items (whose use will soon finish) directly to another remote location
- Trigger the execution of logistics transfer operations based on identified need/issue in the supply chain

The logistics process for this transfer is handled with the integration to other existing Field Logistics apps

Single plant scenario

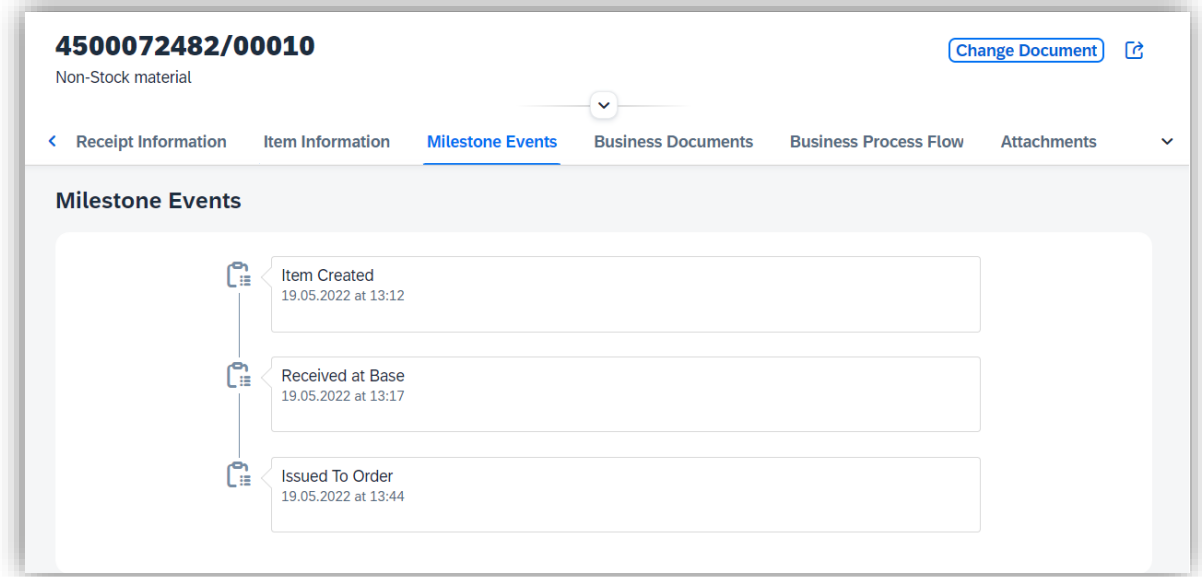
1. Plant is set to be demand + default supplying plant
2. For stock, only variations are SP11, SP14
 - Specific supply process version to be set → **V4**
 - No documents for outbound process created (STO, OBD)
3. For non-stock and rentals, all variations are possible: SP15, SERV
 - Issue to order – new milestone
 - Can be issued immediately at receipt, or later



The screenshot shows the 'Change View Field Logistics' interface. It features a table titled 'Field Logistics: Default Supplying Plants'. The table has three columns: 'Demd Plant', 'Def. Plant', and 'Custom SP'. The data rows are as follows:

Demd Plant	Def. Plant	Custom SP
FNRP	FOBP	<input type="checkbox"/>
FOBP	FOBP	<input type="checkbox"/>
FORP	FOBP	<input type="checkbox"/>
FRBP	FRBP	<input type="checkbox"/>

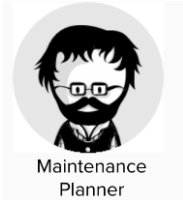
The 'FOBP' row is highlighted with an orange border, and the 'FRBP' row is highlighted with a yellow background.



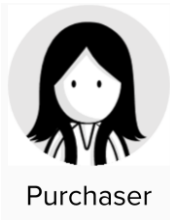
The screenshot shows the 'Milestone Events' section for document 4500072482/00010. The document is identified as 'Non-Stock material'. The interface includes tabs for 'Receipt Information', 'Item Information', 'Milestone Events' (selected), 'Business Documents', 'Business Process Flow', and 'Attachments'. The 'Milestone Events' section displays a timeline of three events:

Event	Timestamp
Item Created	19.05.2022 at 13:12
Received at Base	19.05.2022 at 13:17
Issued To Order	19.05.2022 at 13:44

Single plant scenario: Issue to Order for Non-Stock Items (SP15)



Maintenance Planner requests non-stock items (freetext, NLAG) in EAM

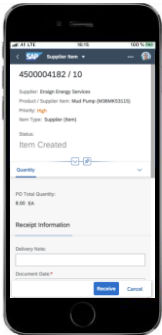


Purchaser

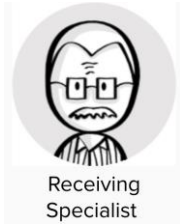
PO created with freetext / NLAG item

Non-Stock items created in Manage Logistics app

Issue to Order



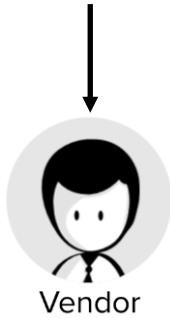
Scan & Confirm receipt



Receiving Specialist



Non-stock equipment sent to base



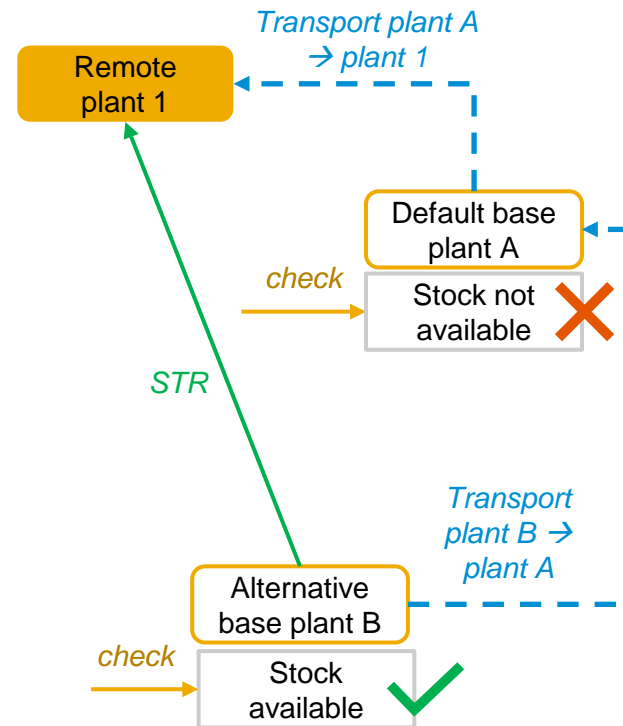
Vendor

Multiple base plants

Enable search for available stock in alternative supply bases

Field Logistics: Default Supplying Plants			
Demd Plant	Def. Plant	Custom SP	Altv Plant
<input type="checkbox"/> FLBP	FLR1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> FNRP	FOBP	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> FOR1	FOBP	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> FOR2	FOB1	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> FORP	FOBP	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> FRBP	FRBP	<input type="checkbox"/>	<input type="checkbox"/>

Field Logistics: Alternative Plants Settings			
Demd Plant	Suplg Plnt	Priority	Avail Chk
<input type="checkbox"/> FORP	FOB1	00001	<input checked="" type="checkbox"/>
<input type="checkbox"/> FORP	FOB2	00002	<input checked="" type="checkbox"/>
<input type="checkbox"/> FORP	FOB3	00003	<input checked="" type="checkbox"/>
<input type="checkbox"/> FORP	FOB4	00004	<input checked="" type="checkbox"/>
<input type="checkbox"/> FORP	FOB5	00005	<input checked="" type="checkbox"/>



- List of alternative supply plants with search priority
- If there is no available stock at the default supply base, the alternatives will be checked one by one
- The core ATP check is triggered for the search
- A stock transfer requisition will be created from the remote plant to the alternative base which has the available stock
- With voyages, a transfer from the alternative to the default supply base and further to the remote plant is enabled

Multiple base plants

Find available stock in alternative supply bases

SAP Stock - Single Material

Material: ZNT-FLOG-SP12

Reporting Date: 04.11.2022

Committed stock

Plant	Storage Location	Unrestricted-Use Stock	Blocked Stock	Quality Inspection Stock	Restricted-Use Stock	Returns	Stock in Transit	Tied Empties Stock	Transfer Stock (Plant)
Field Logistics Base Plant FOB1		2,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA
Field Logistics Base Plant FOB2		0,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA
Field Logistics Base Plant FOB3		0,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA
Field Logistics Base Plant FOB4		0,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA
Field Logistics Base Plant FOB5		2,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA	0,000 EA

Available stock

Order: 1942930 Order Type: YA01, Reactive Maintenance Technical Object: FORP-TP System Status: REL CLNO MSPT

General Data Location Data Organizational Data **Operation Data** Object List Costs Documents

Details: Operation 0010

Operation Details Requirements **Materials** Services Relationships Production Resources/Tools

Materials

ZNT_def * Select from Structure List Select from Catalog Select using Visual Enterprise Viewer

Material	Description	Item Categ...	Quantity	Unit	Plant	Purchase Requisition	Supply P...	Lo
ZNT-FLOG-SP12	ZNT O-ring	Stock it...	1	EA	FORP	14381980	SP12	

Display Purchase Req. 14381980

Menu Document Overview On Create Display/Change Other Purchase Requisition Help Personal Setting Save As Template Item-Based Services for Object

Purchase Requisition 14381980

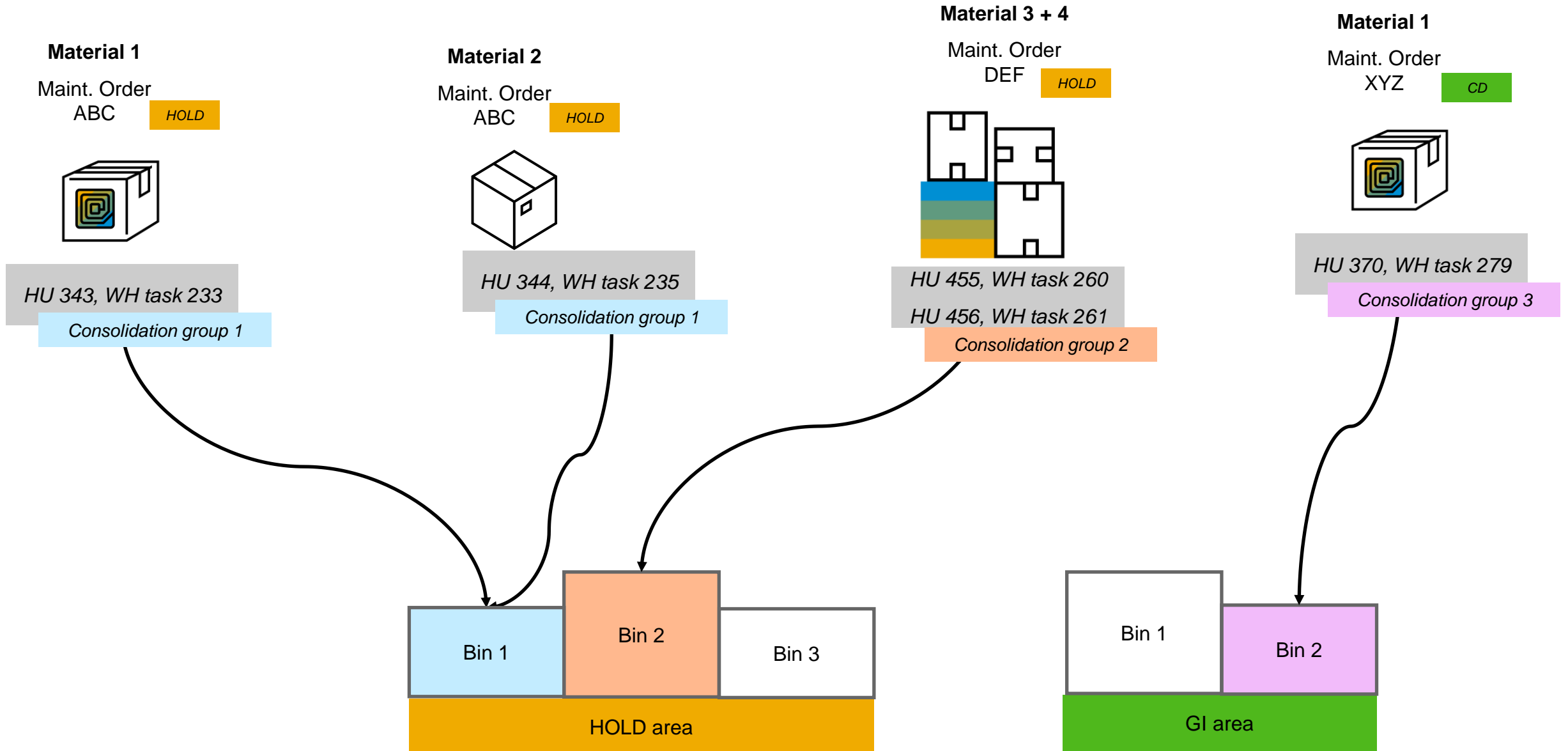
Description:

Header

Default Values

Sta...	Item	A	I	Material	Short Text	Quantity	Unit	C	Delivery Date	Material Group	Plant	Stor. Location	SPlt	PGr
	10		U	ZNT-FLOG-SP12	ZNT O-ring	1	EA	D	09.11.2022	Spare parts	Field Logistics ...		FOB5	001

Consolidation groups in FL-EWM



Services Hierarchy integration with FL

CE2302

OP2022, FPS1

- Starting CE2302, Field Logistics apps will support integration with Services Hierarchy (4R2 scope item):
 - Rental and Supplier items creation can be triggered from the Purchase Order and then the entry will be updated in FL Manage Logistics repository
 - Rental and Supplier items creation can also be triggered from FL Manage Logistics repository and then be updated in the Purchase Order
 - End-to-end Logistics process for Rentals Hierarchy scenario will be handled in the same way as for Lean Service scenario

The screenshot displays two SAP interfaces side-by-side. The left interface is the 'Standard PO 4500001965 Created by Example Purchaser' screen. It shows a table of items with columns for Hierarchy Number, Itm, G., A, I, Material, Short Text, PO Qu..., OUn, S..., C, Deliv. Date, Net Price, Curr..., Per, OPU, Matl Group, and Plant. The table contains four rows of items, with the last three rows (1.2, 1.2, 1.2) highlighted by an orange box. The right interface is the 'Manage Logistics' screen, showing a search for Purchase Order 4500001965. It displays a list of items (3) with columns for Purchase Order..., Description, and Item Number. The list contains three items, with the last two (RENDT_0311 and M1) highlighted by an orange box. An orange arrow points from the 'RENDT_0311' item in the left table to the 'RENDT_0311' item in the right table, illustrating the integration between the two systems.

S...	Hierarchy Number	Itm	G..	A	I	Material	Short Text	PO Qu...	OUn	S...	C	Deliv. Date	Net Price	Curr...	Per	OPU	Matl Group	Plant
	1	10	0				Hierarchy_Item											
	1.1	20	0	K		FLOG-SERV	Drilling Bore	1	WK		D	20.10.2022	9,00	USD	1	WK	Services	New
	1.2	30	0	K			Fretext Item	1	EA		D	20.10.2022	1,00	USD	1	EA	Rental/Suppli...	New
	1.2	40	0	K	R		M1	1	EA								Rental/Suppli...	New
	1.2	50	0	K	R		RENDT_0311	1	EA								Rental/Suppli...	New
	1.2	60	0	K	R		Rental_Equipment1	1	EA								Rental/Suppli...	New

Purchase Order...	Description	Item Number
4500001965/00060	Rental_Equipment1	RENTAL_EQUIPMENT1
4500001965/00050	RENDT_0311	RENDT_0311
4500001965/00040	M1	ID1

Thank you.

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