

Story

In the Utility Industry, equipment is maintained spread over a large territory. To support the quick availability of commonly used parts, many small storage centers (“yards”) have been setup spread out over the area. The inventory of those parts (“materials”) is maintained in SAP. New materials are delivered by truck, either from a central company Distribution Center, or sometimes directly from an external supplier. For each shipment there is already an Inbound Delivery in SAP, either created at the Distribution Center, or sent electronically (“Advanced Ship Notice”) by the supplier. A Materials Handler creates a Goods Receipt in SAP by going into transaction VL32n (Change Inbound Delivery), looking up the Inbound Delivery by the external delivery number printed on the packing list, and clicking the Post Goods Receipt button. The external delivery number is not always available. In that case he needs to first go into ME23n (display Purchase Order), lookup the Purchase Order or Stock Transport Order (if shipped internally), go to the Confirmations Tab, and then drilldown into the Inbound Delivery listed there.

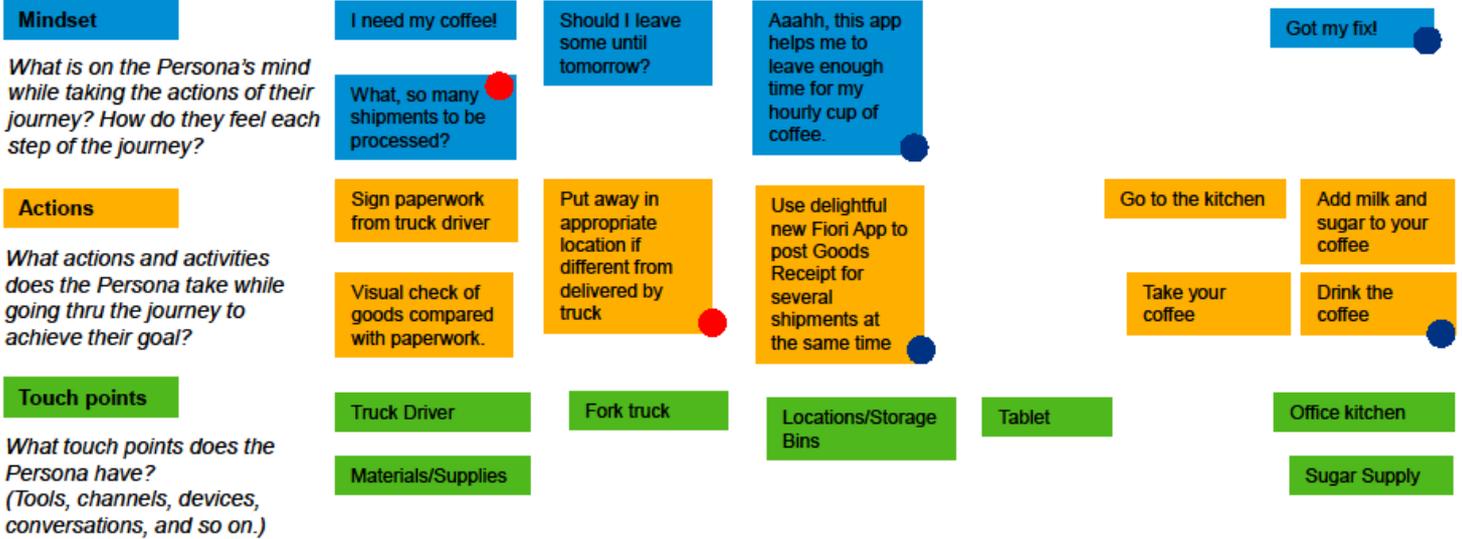
On busy days, there can be a few dozen shipments waiting to be processed. While recording one Goods Receipt in SAP only takes about 10 minutes (thanks to the Inbound Delivery), processing several dozen shipments can take several hours. Because of other duties, the paperwork is sometimes performed only the next day. As a result, the inventory is not accurately reflected, and may even create problems when somebody else tries to take something out of inventory. Training is more extensive because users need to learn both the ME23n and VL32n transactions.

The Goods Receipt Fiori App gives the Materials Handler a single point of entry to perform a Goods Receipt on an open (i.e., not yet received) Inbound Delivery. The app lists all open Inbound Deliveries for the storage center to which the user has been assigned. In the search field the user can enter (part of) an external delivery number or PO number to narrow down the results. For the smart phone or tablet version, the user can select the barcode button to scan either the PO number or external delivery number to look up the delivery, provided any of these numbers had been printed as a barcode. Selecting a delivery will display the shipment details such as the materials and corresponding quantities shipped. When the Post Goods Receipt button is pressed, then in SAP the Goods Receipt is performed for the Inbound Delivery.

User experience journey Materials Handler

Current User Experience Journey

Duration of the Journey: 10-20 min



Mockup (page 1)

Home

Inbound Deliveries (10)

Inbound Delivery

Search

1800012345
PO 3600028280 - ASN 80123456
1 Item Today

1800012346
PO 3600022354 - ASN 80123457
3 Items Today

1800013345
PO 3600022342 - ASN 80123333
2 Items Today

1800013777
PO 3500444442 - ASN GE02345
1 Item 1 day ago

1800013777
PO 3500444443 - ASN GE02345
1 Item 1 day ago

1800012346
ASN 80123457
Expected delivery date: **Today**

Warehouse/Supplier
W123 San Francisco Distribution Center:
Storage Location:
S001 0123 Oakland Storage Center
Delivered To:
12345 Main Street, Oakland, CA 91234

ITEMS (3)

Purchase Order / Item	Material Number	Description	Quantity
3600022354 / 1	MT012345	EX7 Transformer model 1	1 EA
3600022354 / 2	MT012444	Oil Lubricant kit RX-3	200 EA
3600022354 / 3	MT016542	Hammer	1 EA

Post Goods Receipt

Mockup (page 2)

Home

Inbound Deliveries (10) Inbound Delivery

Search

1800012345
PO 3600028280 - ASN 8012

1 Item Today

1800012346 PO 3700022314 - ASN 801

3 Items Today

1800013345 PO 3700022342 - ASN 801

1 Item Today

1800013777 PO 3500022342 - ASN GE02345

2 Items 1 day ago

1800013777 PO 3500022343 - ASN GE02345

2 Items 1 day ago

Scanning barcode

3600028280



0 36000 28280 1

Import Cancel

Delivery 80123457

ed delivery date: Today

ITEMS (3)			
Purchase Order / Item	Material Number	Description	Quantity
3700022354 / 00001	MT012345	EX7 Transformer model 1234	1 EA
3700022354 / 00002	MT012444	Oil Lubricant RX-364	200 LB
3700022354 / 00003	MT016542	Hammer	1 EA

Post Goods Receipt