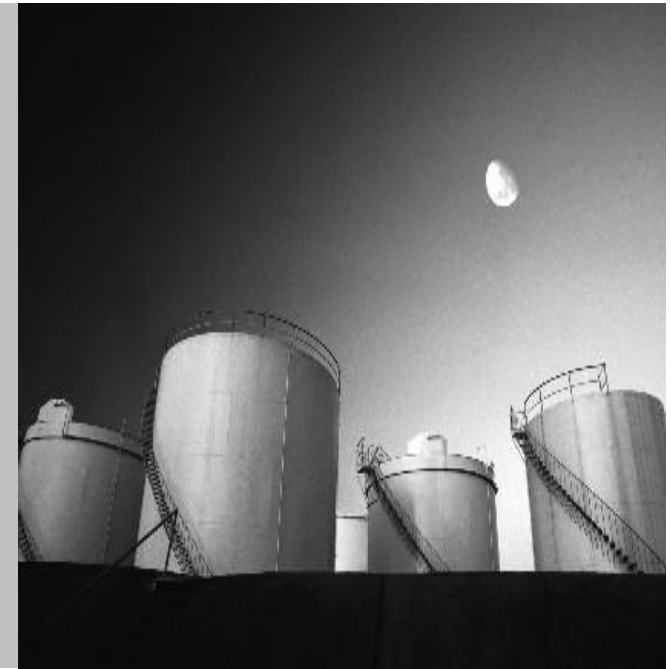


Industry xApp Physical Movement (xPHM)

Product overview

iCOD PHM



Business process

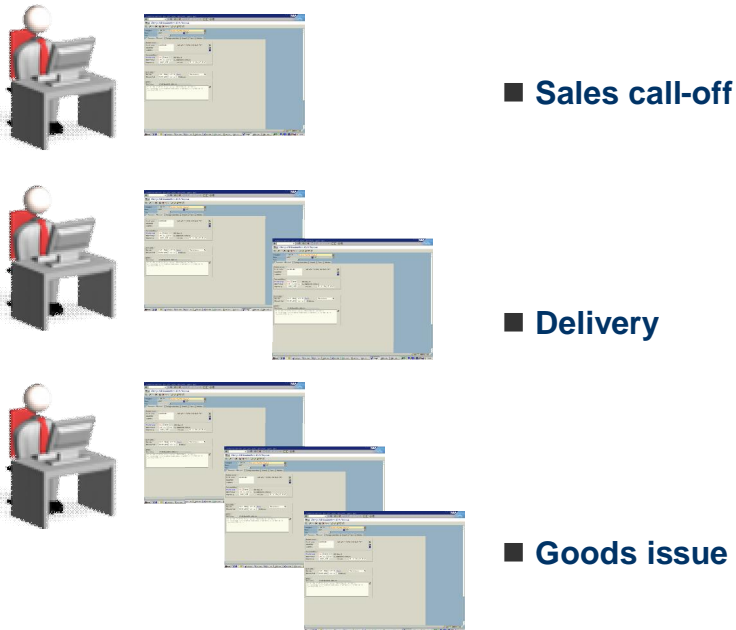
Movement scenarios

Prototype screens

Automate Your Business Processes

Today's process

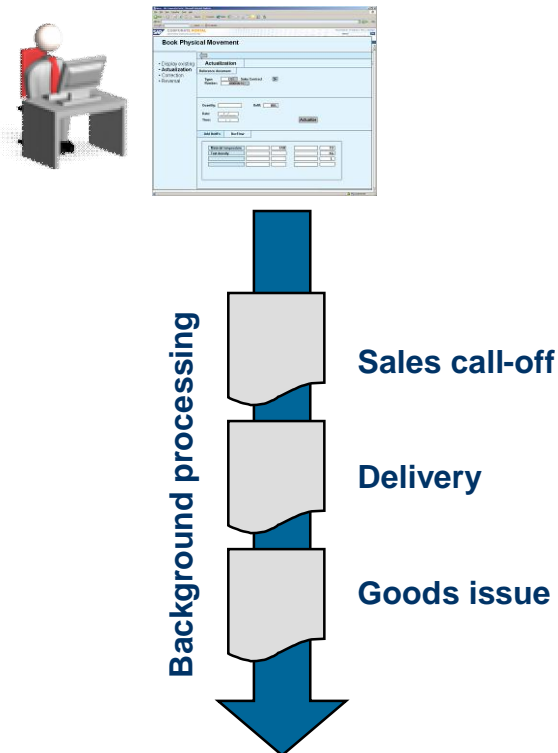
Manual posting of document chain



Equally complex manual postings for reversals and corrections

With SAP xApp composite application

Single data entry and automatic document posting in background

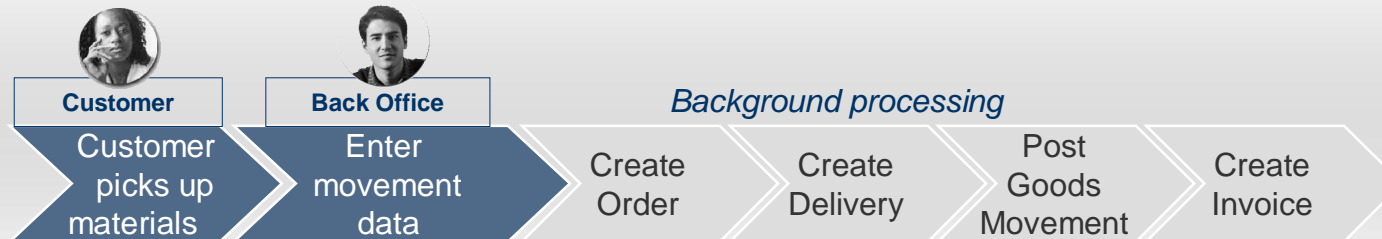


- Flexible modeling of process chain (also for reversals and corrections)
- Additional user interaction only in case of error



Capturing of Physical Goods Movement

Automated posting of document flows for goods movements



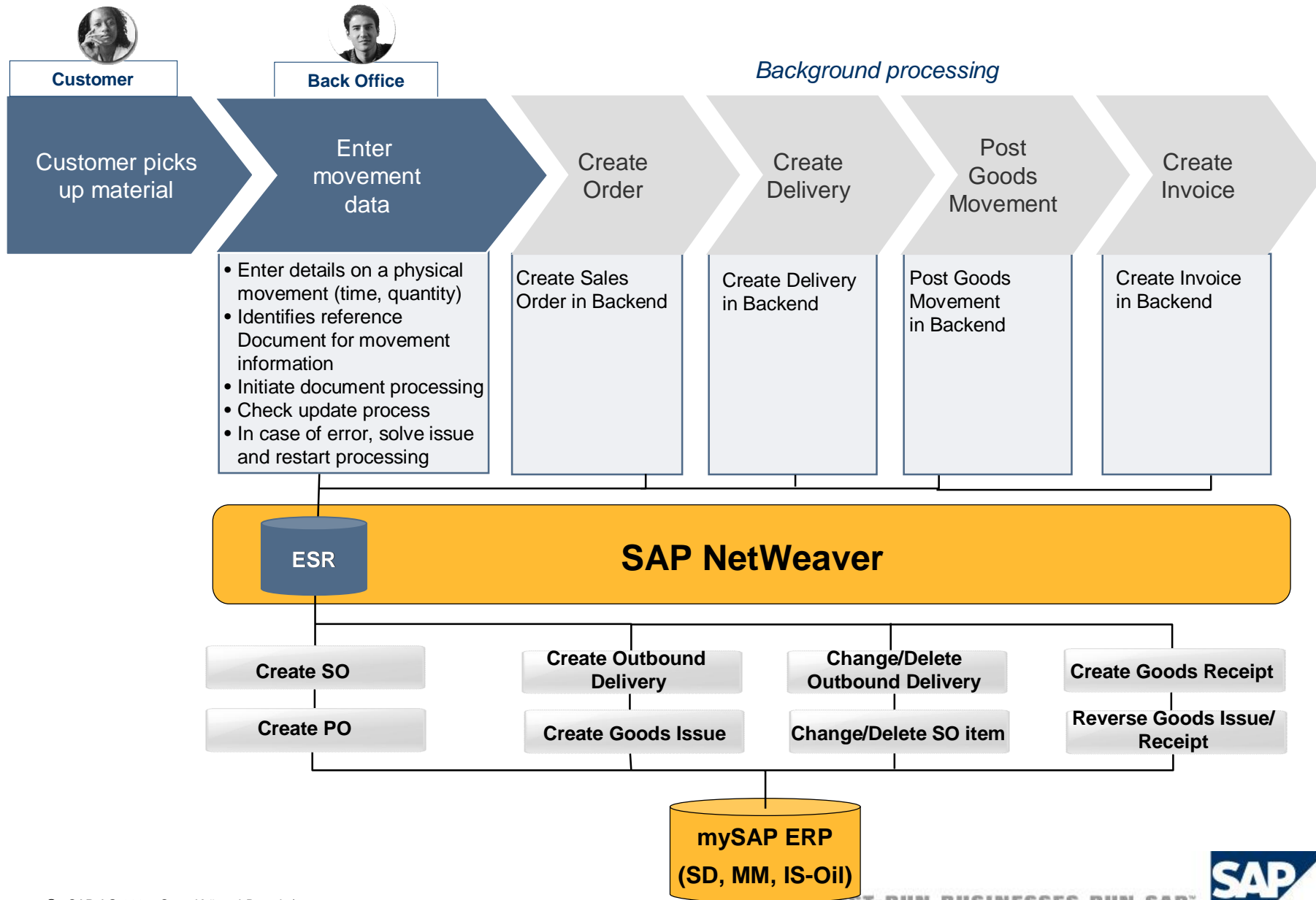
Functional Scope

- Easy data capturing
- Flexible definition of processing steps via guided procedures
- Error handling via processing steps

Value to Customers

- Automatic background processing of the relevant SAP documents.
- Ease of use, true representation of business process.
- Reduced number of erroneous bookings

Physical Goods Movement - Details



- **Flexibility: Modeling of new movement scenarios by an administrator, incl. follow-up document service calls and custom specific & movement scenario specific logic (“User-exits”)**
- **Automation: Automatic processing of the follow-up document chain, according to the above configuration**
- **User friendly UI: Easy access by the accountant or operator through a portal screen**
- **Reduce errors: Easy correction & reversal processing**
- **Easy error handling, workflow: Possibility to forward errors to experts via the workflow logic (Unified worklist)**
- **Defaulting of movement scenario from reference document**

- **Pipeline movements into customer's tanks**
- **Terminal Automation System (TAS): Load onto trucks**
- **Trading execution (Purchase vs. Sale)**
- ...

iCOD PHM



Business process

Movement scenarios

Prototype screens

Example

1. Reference document type: Sales contract
Scenario: "Actualization"
Configuration: Without TD Shipment

No.	Document generation	Service
01	Create SO	
02	Create Delivery	
03	Create Goods Issue (GI)	

+ Correction
+ Reversal

Further movement scenarios (planned)

- **All movement scenarios will include corrections & reversals**
- **Sales scenario (ref. doc.: Sales Contract)**
- **Purchase scenario (ref. doc.: Purchase contract)**

- *Inter-company scenario (Sales + Purchase contract)*
- *Sales with TD Shipment (ref. doc.: SO) - optional*
- *Purchase with TD Shipment (ref. doc.: PO) - optional*
- ...

- *Further scenarios are depending on customer buy-in !*

iCOD PHM



Business process

Movement scenarios

Screens

Actualization

File Edit View Favorites Tools Help Address <http://pwdf3042.wdf.sap.corp:50000/irj/portal> Go

Welcome Accountant Mr [Help](#) [Personalize](#) [Log Off](#) **iCOD**

Search [Advanced Search](#)

Home **Physical Movement** Log Viewer Support Desk Display

Overview

Work Overview

Detailed Navigation

- Work Overview
- Display

Services

Sales

- Document Generation**
- Change
- Reversal

Portal Favorites

The list of items shown here could not be displayed.

An error occurred while trying to load the data.

Tasks (6/6) Alerts Notices

Show: New and In Progress Tasks

Subject

- Error Resolution**
- Error Resolution
- Error Resolution
- Error Resolution
- Error Resolution
- Error Resolution

Row 1 of 6

Error Resolution

Process: Document Reversal. Ref Doc Number: 40000924 Qty: KG

Status: New

Priority: Normal

Error Resolution

Open Task

Document Generation - Microsoft Internet Explorer

Physical Movement: Document Generation

Reference document exists!

Ref Doc Type: Sales Contract *
 Ref Doc Number: 40000924 *
 Ref Doc Item: 10 *
 Movement Scenario: Sales *
 Quantity: 150.00 *
 Date: Jan 30, 2007 *
 Unit of Measure: KG *
 Time: 14:00:00

Validate

Customer: TD IP TEST CUST DE
 Valid from: Feb 01, 2007
 Material: MAT02-VK1
 Valid to: Feb 01, 2007

Calculation

Parameter	Value	UoM
Material Temp.:	65.00	FAH
Test Temp.:	60.00	FAH
Test Density:	.82	
Base Density:	0.00	
Base Sed. Water:	0.00	
Metric Corr. Fact:	1.00	

Hydro Corr. Ind
 Air Bouyancy Ind.

Results

Quantity	UoM	Manen
1.16	BB6	<input type="checkbox"/>
1.16	BBL	<input type="checkbox"/>
185.37	L	<input type="checkbox"/>
184.81	L15	<input type="checkbox"/>
330.69	LB	<input type="checkbox"/>
.14	LTO	<input type="checkbox"/>
.15	TO	<input type="checkbox"/>
48.84	UG6	<input type="checkbox"/>
48.97	UGL	<input type="checkbox"/>

Calculate

javascript:return true Local intranet

Error resolution

The screenshot shows the SAP iCOP portal interface. At the top, the browser address bar displays `http://pwwf3042.wdf.sap.corp:50000/irj/portal`. The page header includes "Welcome Accountant Mr", "Empowering Partners", and navigation links for "Help", "Personalize", and "Log Off".

The main content area is titled "Physical Movement: Error Resolution - Ticket 34". A message box indicates: "DocumentException:bl_ba_so :: RFC :: [Sales document 40000924 is currently being processed (by user KEINER)]".

Below the message, a form displays the following details:

- Ticket Number: 34
- Ref Doc Type: Sales Contract
- Ref Doc Number: 40000924
- Ref Doc Item: 10.00
- Quantity: 150.00
- Uom: KG
- Date: Jan 30, 2007
- Time: 14:00:00
- Business Partner: TD IP TEST CUST DE
- Material: MAT02-VK1
- Valid From: Feb 01, 2007
- Valid To: Feb 01, 2007

At the bottom, there are two tabs: "Document Flow" and "Quantity Conversion". The "Document Flow" tab is active, showing a table with the following data:

Document Flow	Document Number	Status	Message
SalesOrder		Error	DocumentException:bl_ba_so :: RFC :: [Sales

A mouse cursor is pointing at the first row of the table, and a tooltip message says "Click to activate and use this control".

List of posted movements

File Edit View Favorites Tools Help Address <http://pwwf3042.wdf.sap.corp:50000/rj/portal> Go

Welcome Accountant Mr Empowering Partners Help Personalize Log Off iCOD

Search Advanced Search

Home Physical Movement Log Viewer Support Desk Display

Overview

Display History Back Forward

Detailed Navigation

- Work Overview
- Display

Services

Sales

- Document Generation
- Change
- Reversal

Portal Favorites

Physical Movement: Display

Ref Doc Type: Ref Doc Number:

Ref Doc Item: Status:

Search

Search Results

Refresh

Ticket Number	Ref Doc Type	Ref Doc Number	Ref Doc Item	Date	Quantity	Uom	Status
32	Sales Contract	40000924	10	Jan 30, 2007	420.00	KG	Changed
31	Sales Contract	40000924	10	Jan 30, 2007	310.00	KG	Changed
30	Sales Contract	40000924	10	Jan 30, 2007	200.00	KG	Created
29	Sales Contract	40000924	10	Jan 30, 2007	110.00	KG	Changed
28	Sales Contract	40000924	10	Jan 30, 2007	110.00	KG	Changed
24	Sales Contract	40000924	10	Jan 30, 2007	12,345.00	KG	Created
34	Sales Contract	40000924	10	Jan 30, 2007	150.00	KG	Created
25	Sales Contract	40000924	10	Jan 29, 2007	160.00	KG	Changed

Ref Doc Type:

Ref Doc Number:

Date:

Quantity:

Business Partner:

Valid From:

Ref Doc Item:

Time:

Unit of Measure:

Material:

Valid To:

Done Local intranet

Document flow

File Edit View Favorites Tools Help Address <http://pwwdf3042.wdf.sap.corp:50000/irj/portal> Go iCOD

Welcome Accountant Mr [Help](#) | [Personalize](#) | [Log Off](#)

Search [Advanced Search](#)

Home **Physical Movement** Log Viewer Support Desk Display

Overview

Display [History](#) [Back](#) [Forward](#)

Item	Ref Doc Type	Ref Doc Number	Item	Date	Quantity	Unit of Measure	Status
24	Sales Contract	40000924	10	Jan 30, 2007	12,345.00	KG	Created
34	Sales Contract	40000924	10	Jan 30, 2007	150.00	KG	Created
25	Sales Contract	40000924	10	Jan 29, 2007	160.00	KG	Changed

Detailed Navigation

- Work Overview
- Display

Services

Sales

- [Document Generation](#)
- [Change](#)
- [Reversal](#)

Portal Favorites

Ref Doc Type:

Ref Doc Number:

Date:

Quantity:

Business Partner:

Valid From:

Ref Doc Item:

Time:

Unit of Measure:

Material:

Valid To:

[Change](#) [Reversal](#) [Resume Document Generation](#)

Document Flow Quantity Conversion

Document Flow	Document Number	Status	Message
SalesOrder	0000005199	Created	The document has been created.
Delivery	0080004055	Created	The document has been created.
GoodsIssue	4900033489	Created	The document has been created.

Done Local intranet



Thank you !



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