



WIRTSCHAFTS  
UNIVERSITÄT  
WIEN VIENNA  
UNIVERSITY OF  
ECONOMICS  
AND BUSINESS

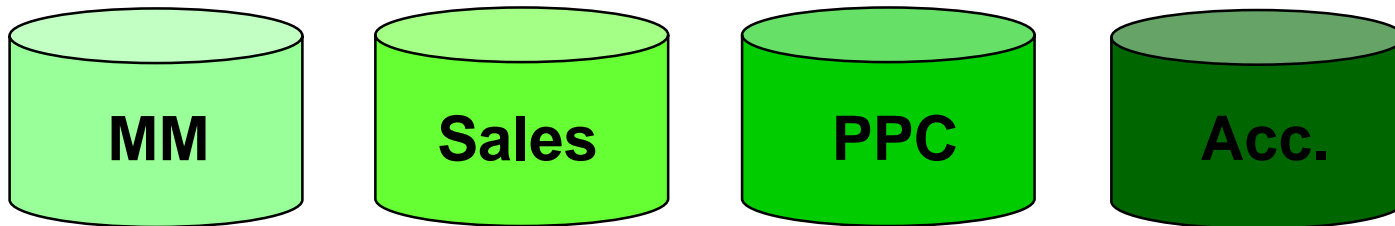


# ***ERP4PA – The Service Yard***

*Robert Müller-Török*

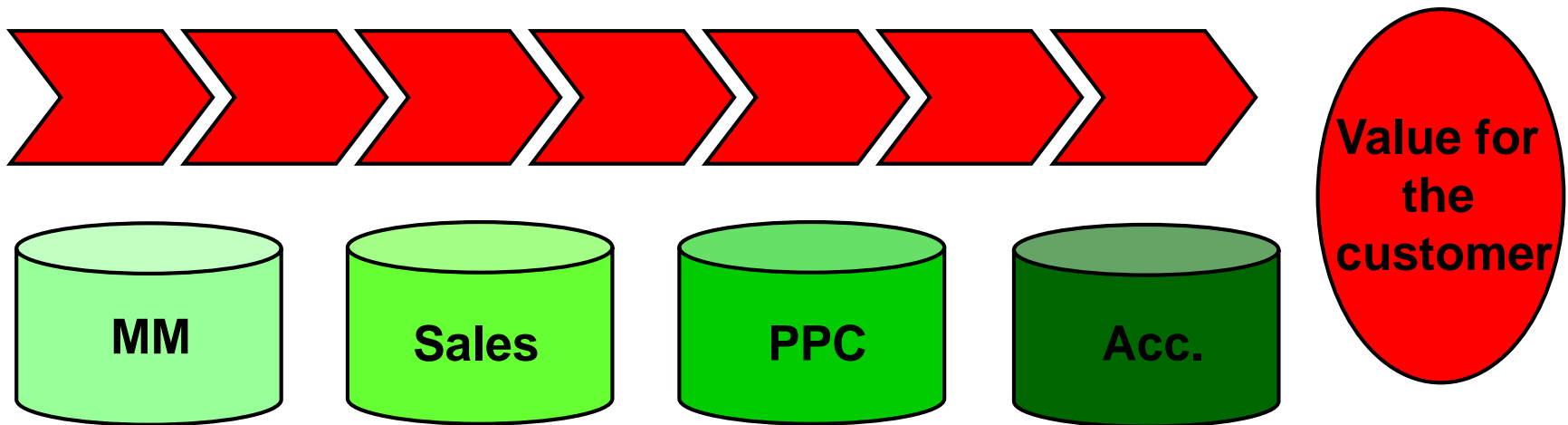
*Alexander Prosser*

## 1980-ies: Functional software



## 1990-ies: Process orientation:

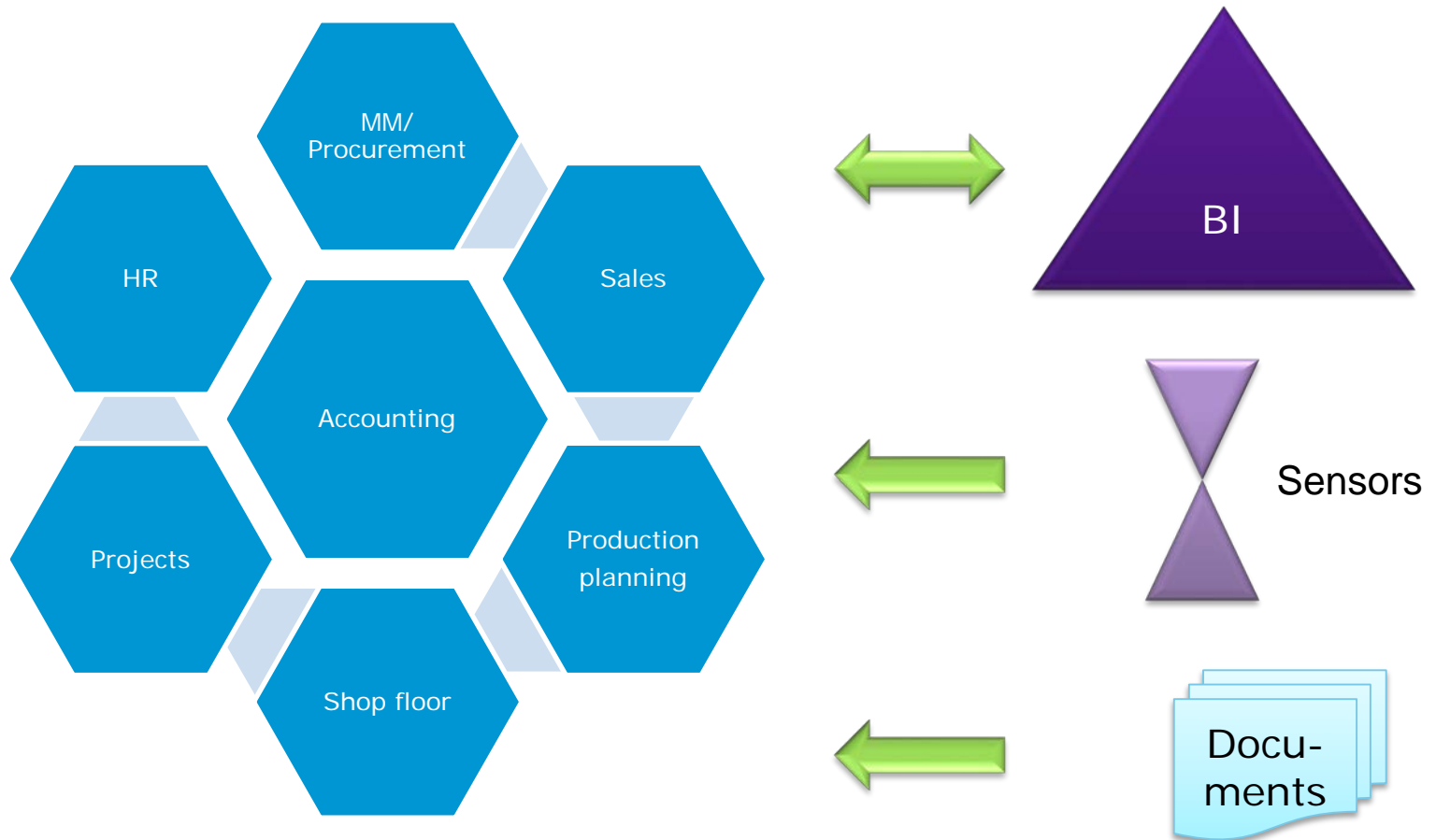
### Business Process



# Private sector



# Private sector



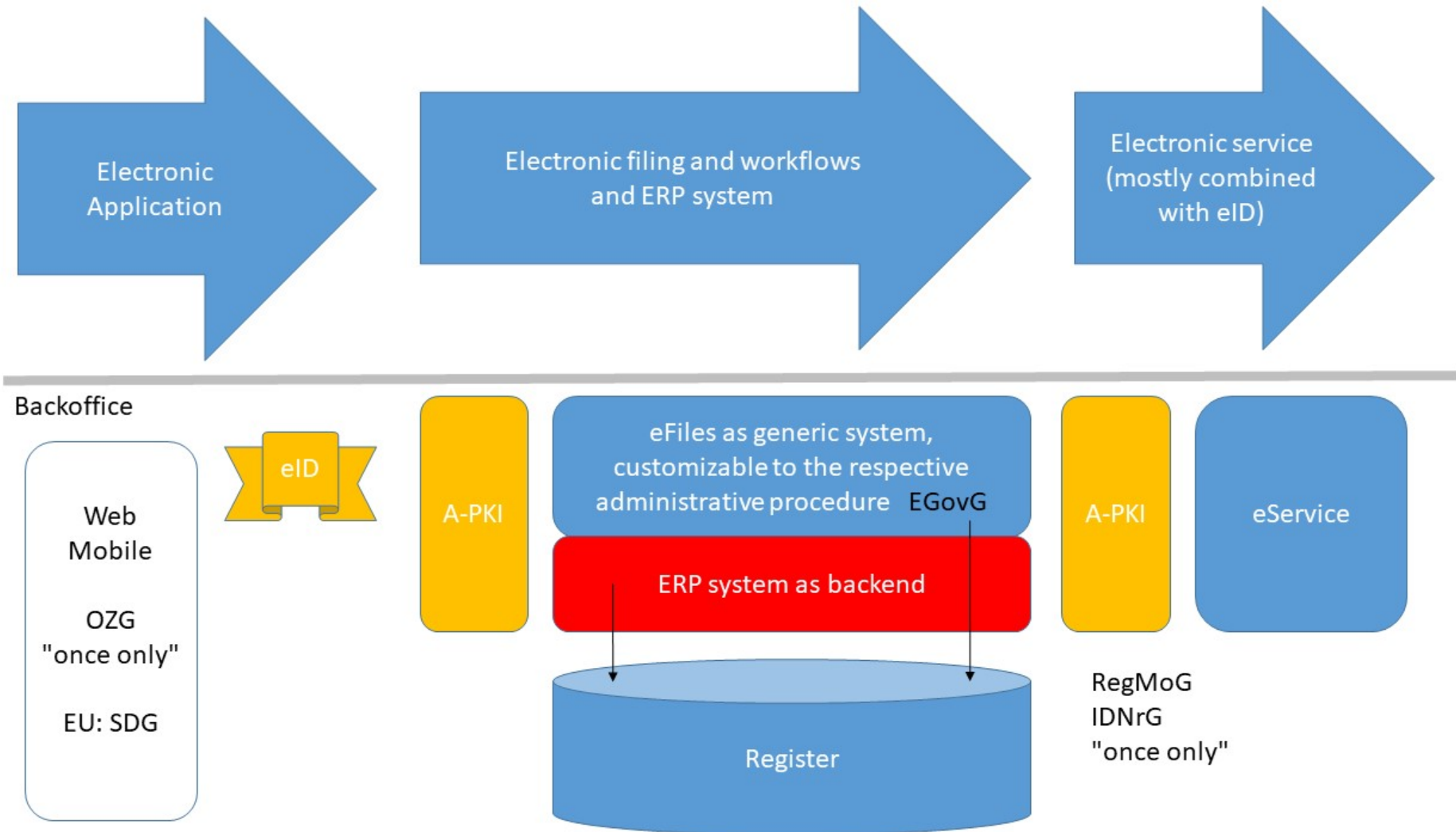
# And the public sector ?

... and public sector higher education ?

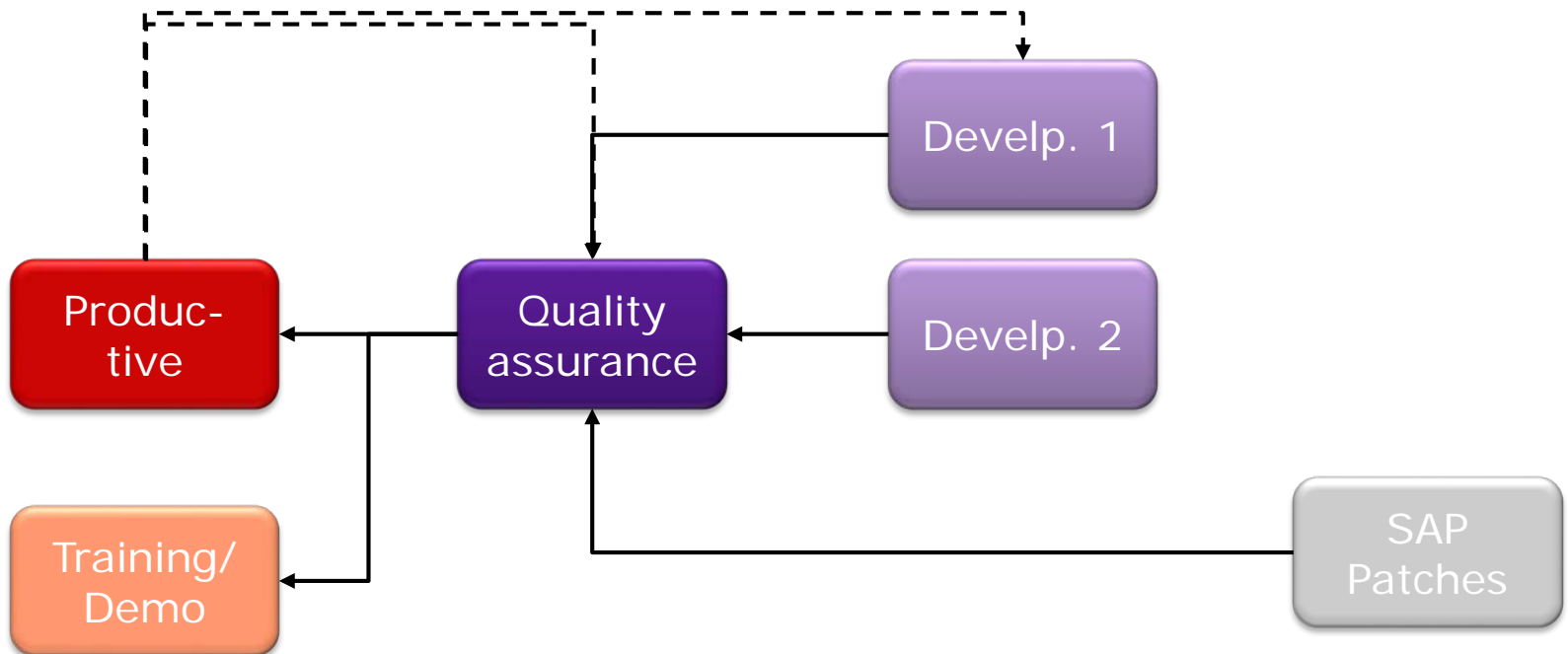


Source: Wikipedia.org

# The Big Picture

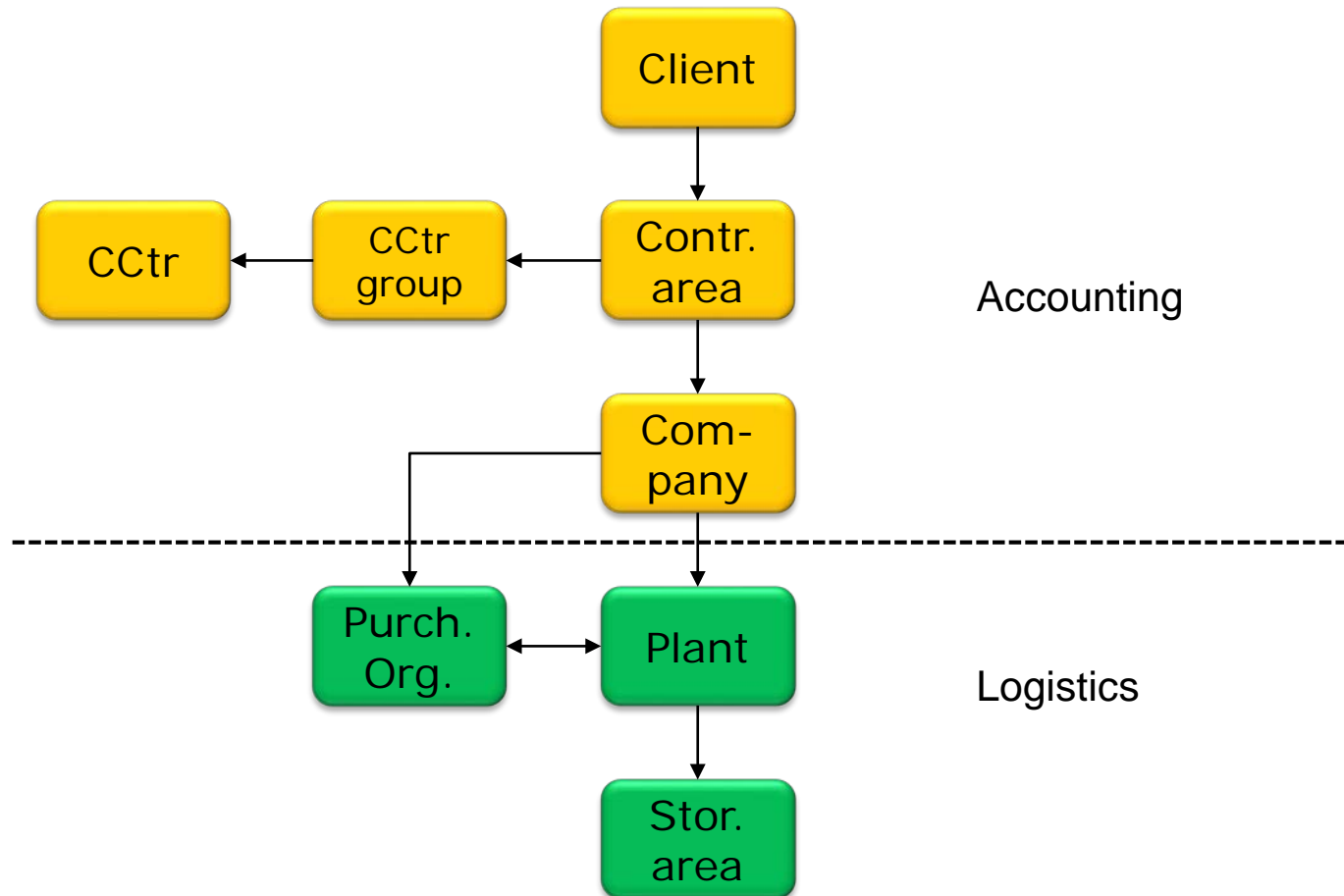


# Client Systems

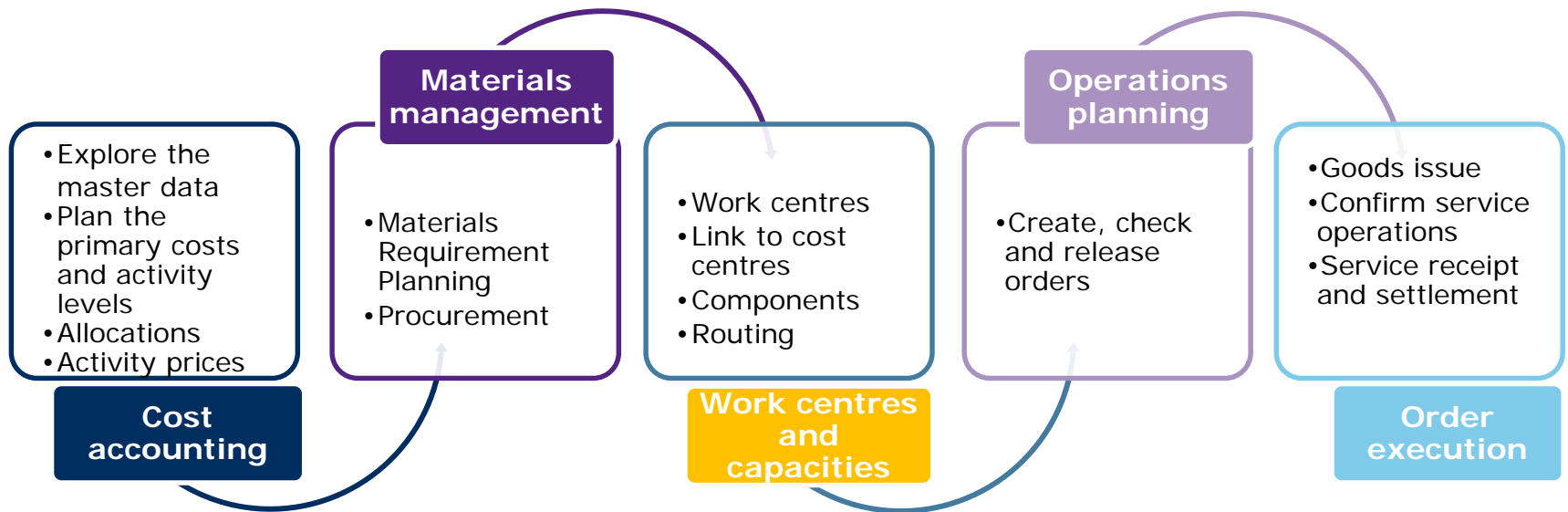


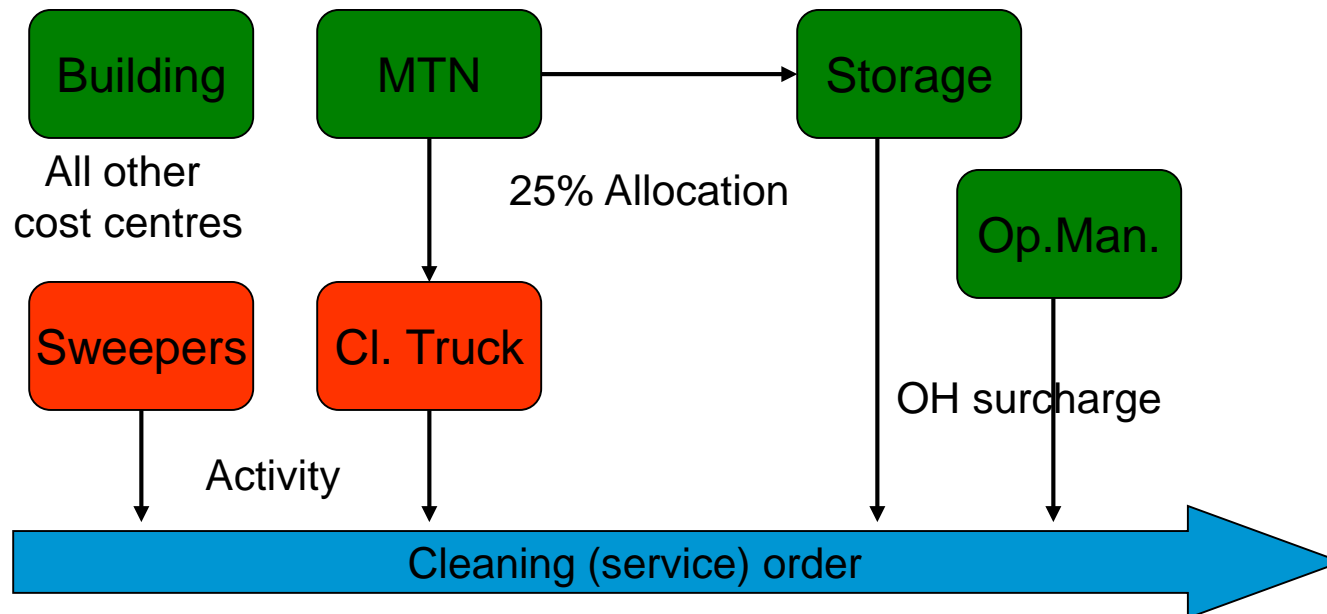


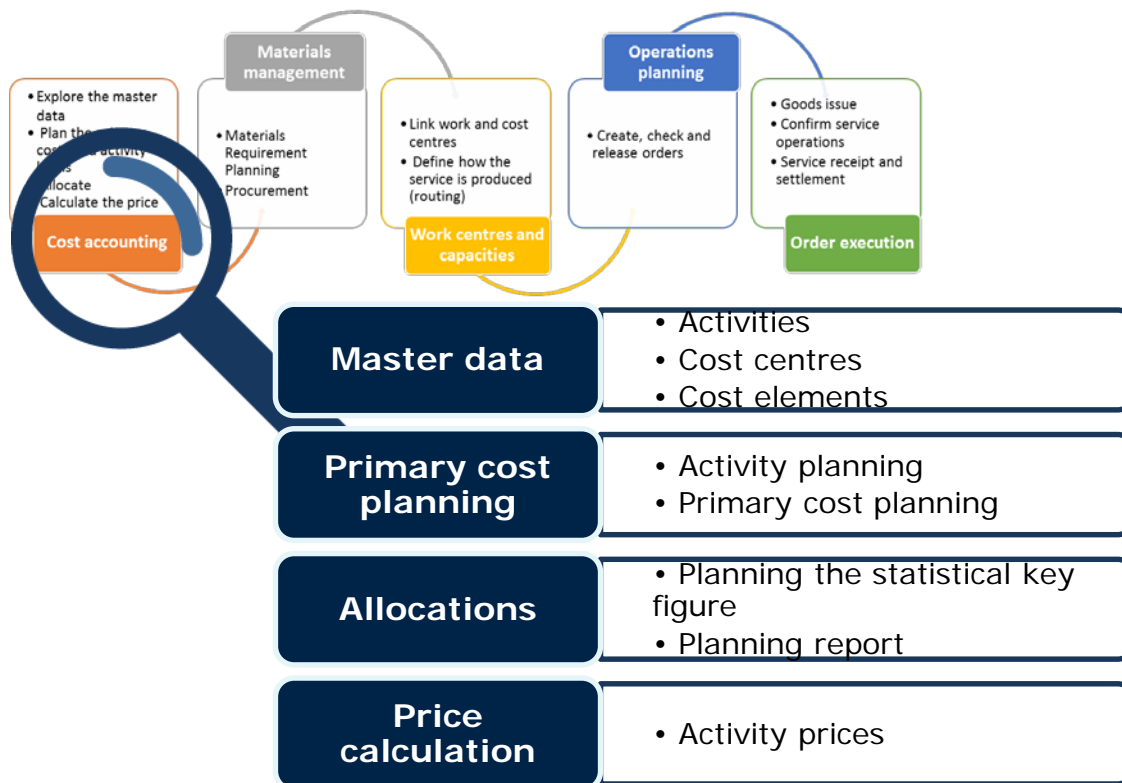
# Organisational Structure



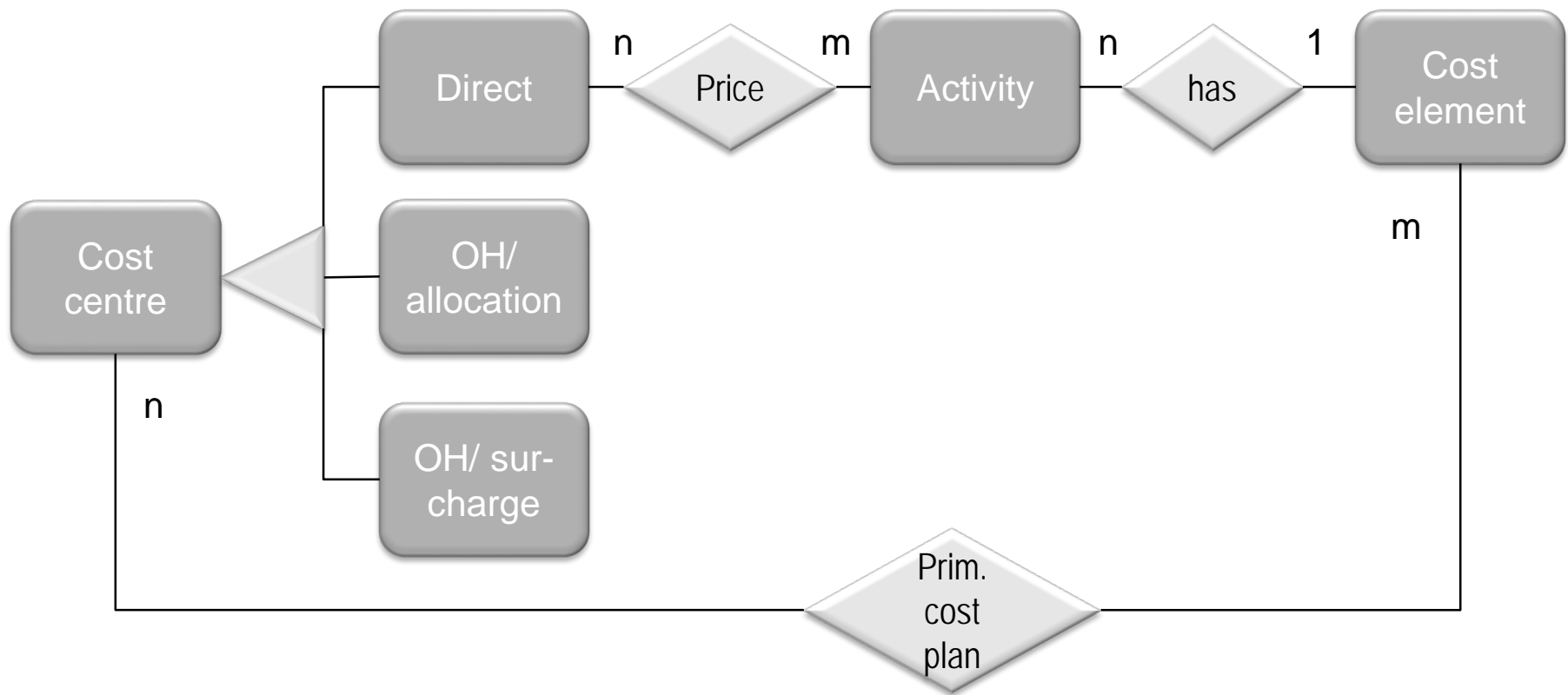
# Overview



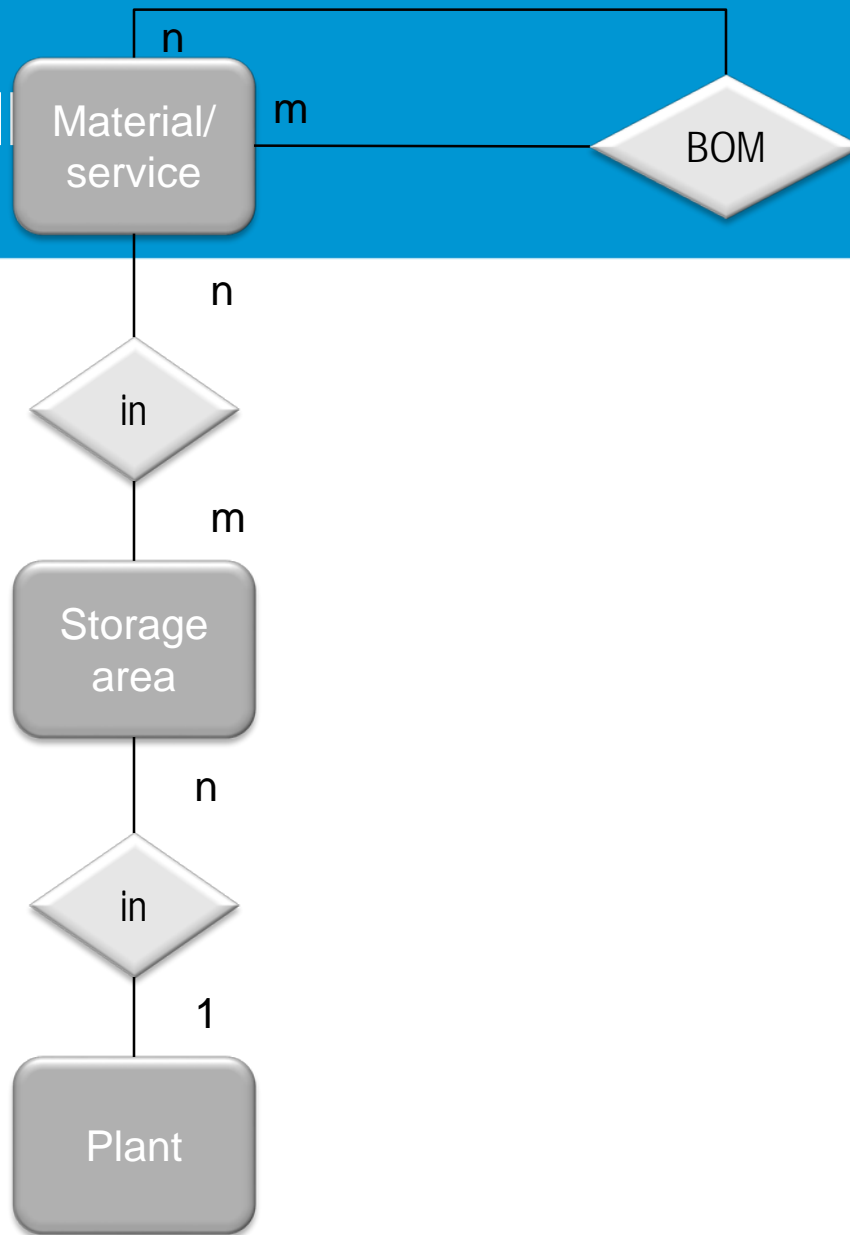




# Cost Accounting



M



## The materials

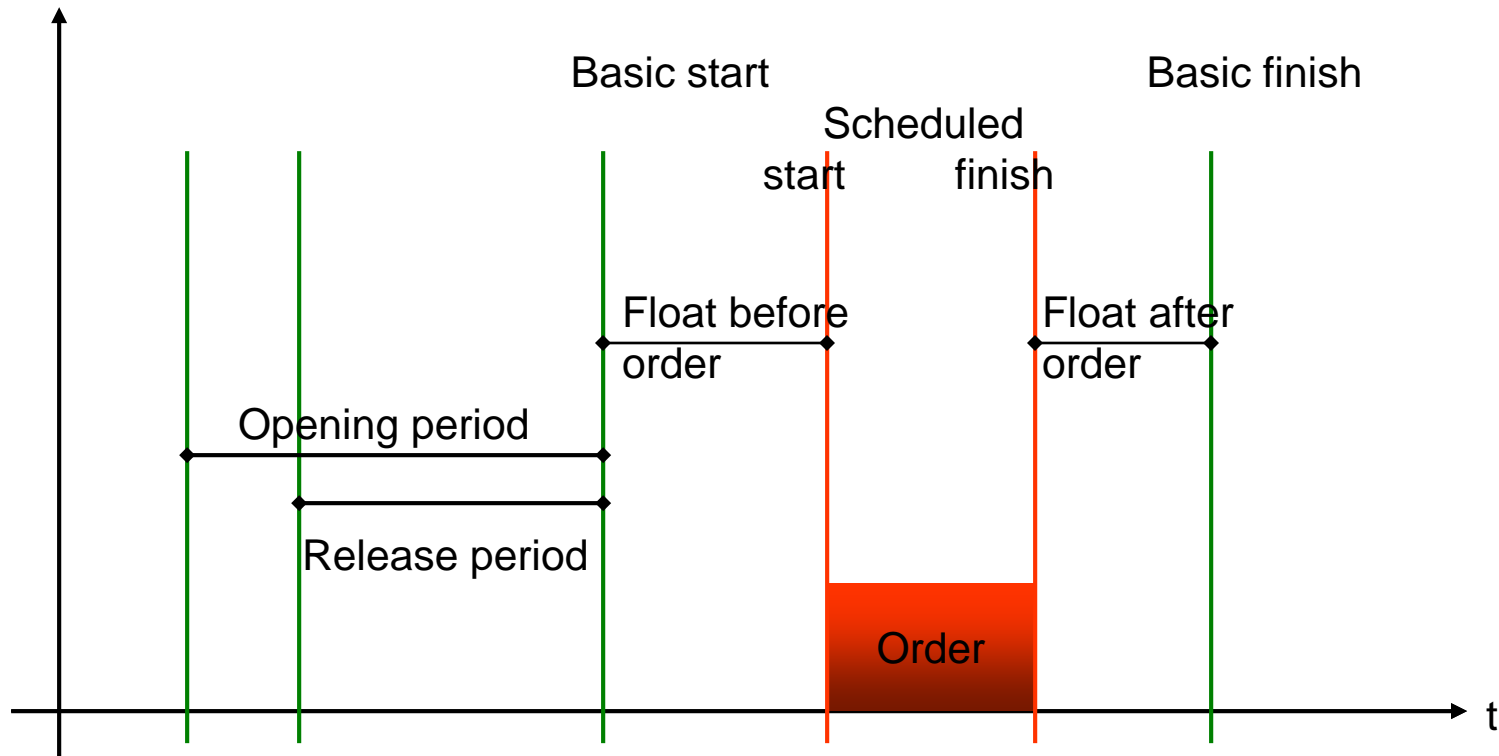
Broom, high-visibility jacket, garbage bags

Rotating brush

Fuel, water

Tab	Organisational Unit/s
Basic Data	Material only
Classification	Material only
Sales/Export	Sales organisation/Distribution channel
Purchasing/Import	Plant
MRP	Plant/Storage location
Forecasting	Plant
General plant data/Storage	Plant/Storage location
Warehouse management	Plant (plus warehouse references not used in this case study)
Quality management	Plant
Accounting/Costing	Plant





# Procurement

Municipii Supplementum: Broom, jacket, garbage bags

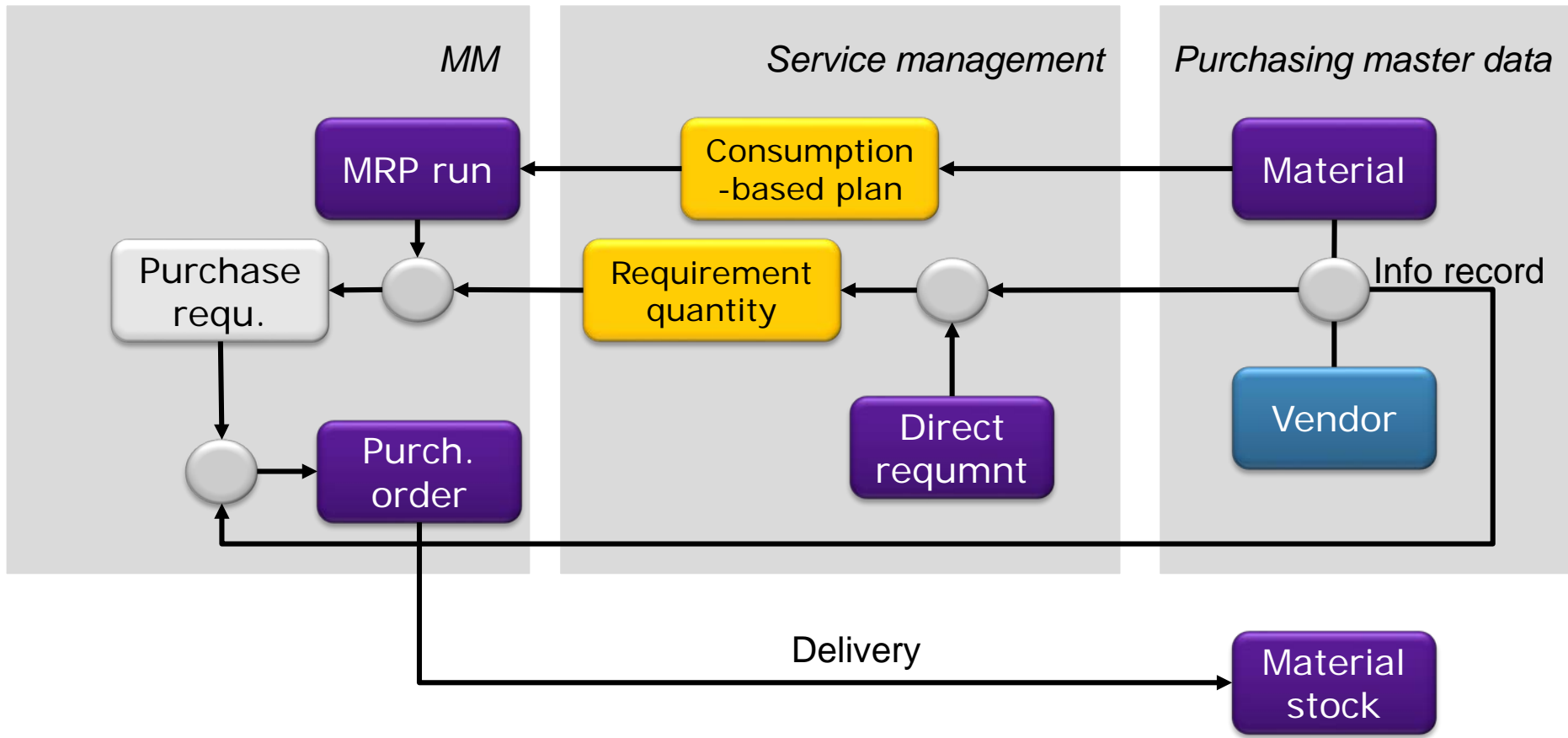
Carrum: Rotating brush (original manufacturer)

Raedae: Rotating brush

Crassus Olea: Fuel

Civitas Waterworks: Water

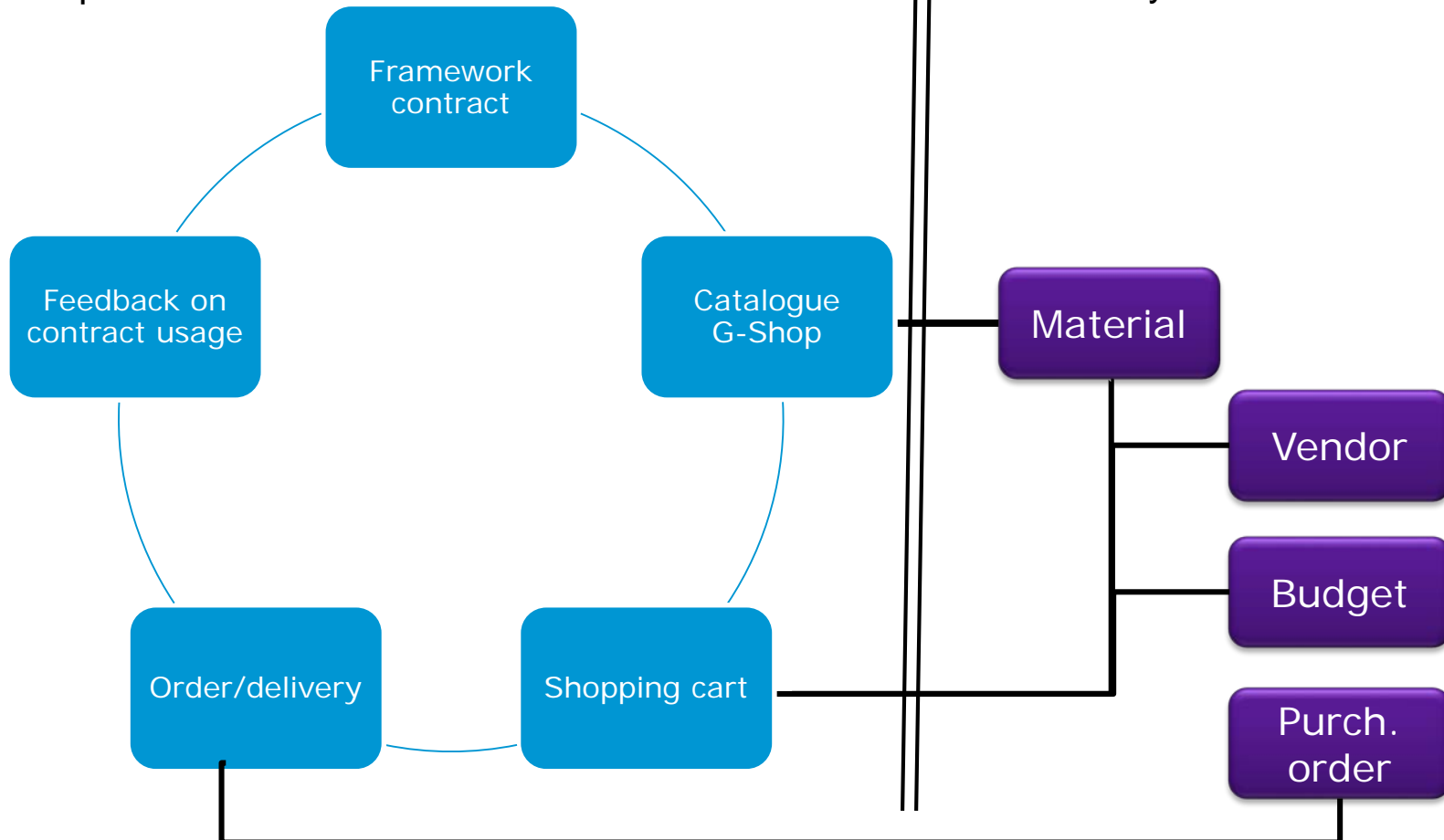
# Procurement



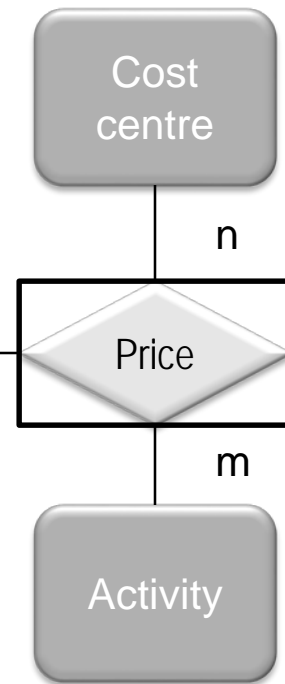
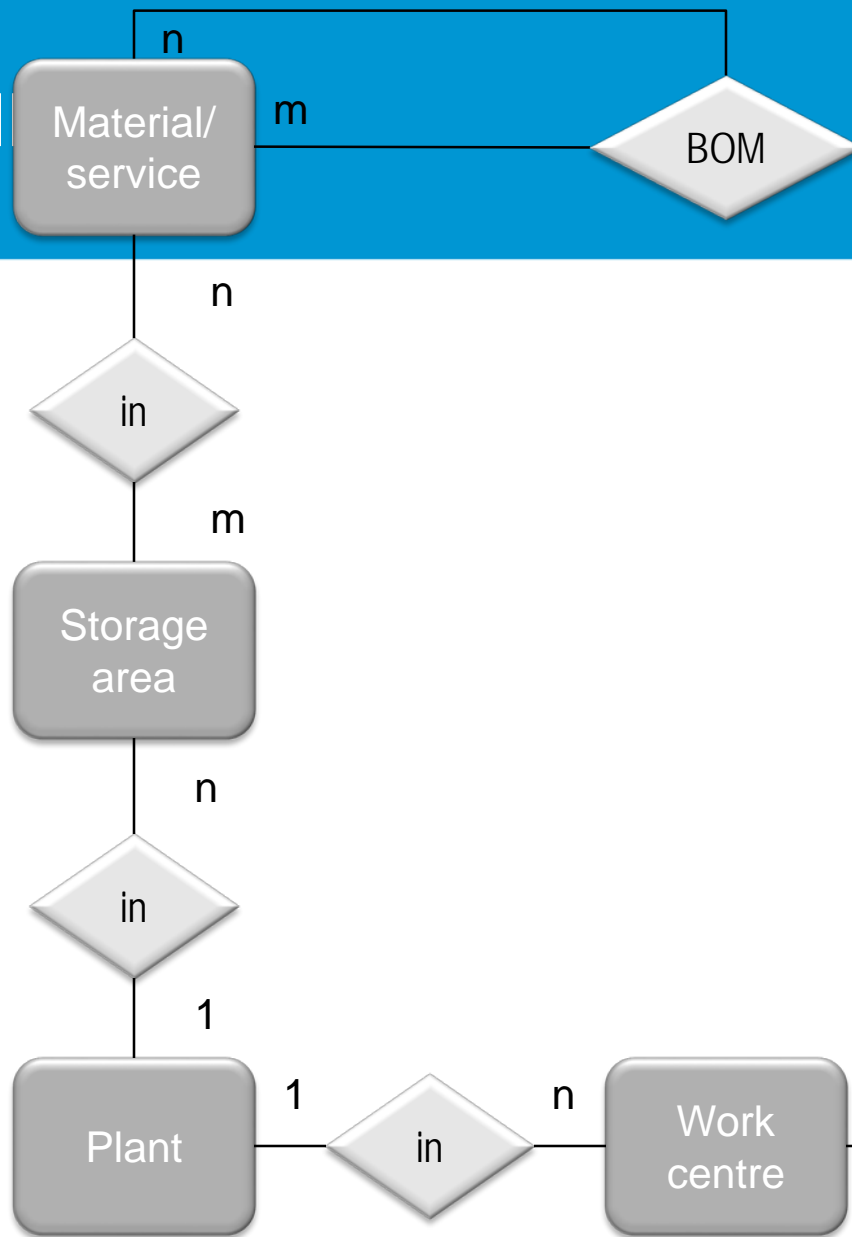
# Procurement (G-Shop)

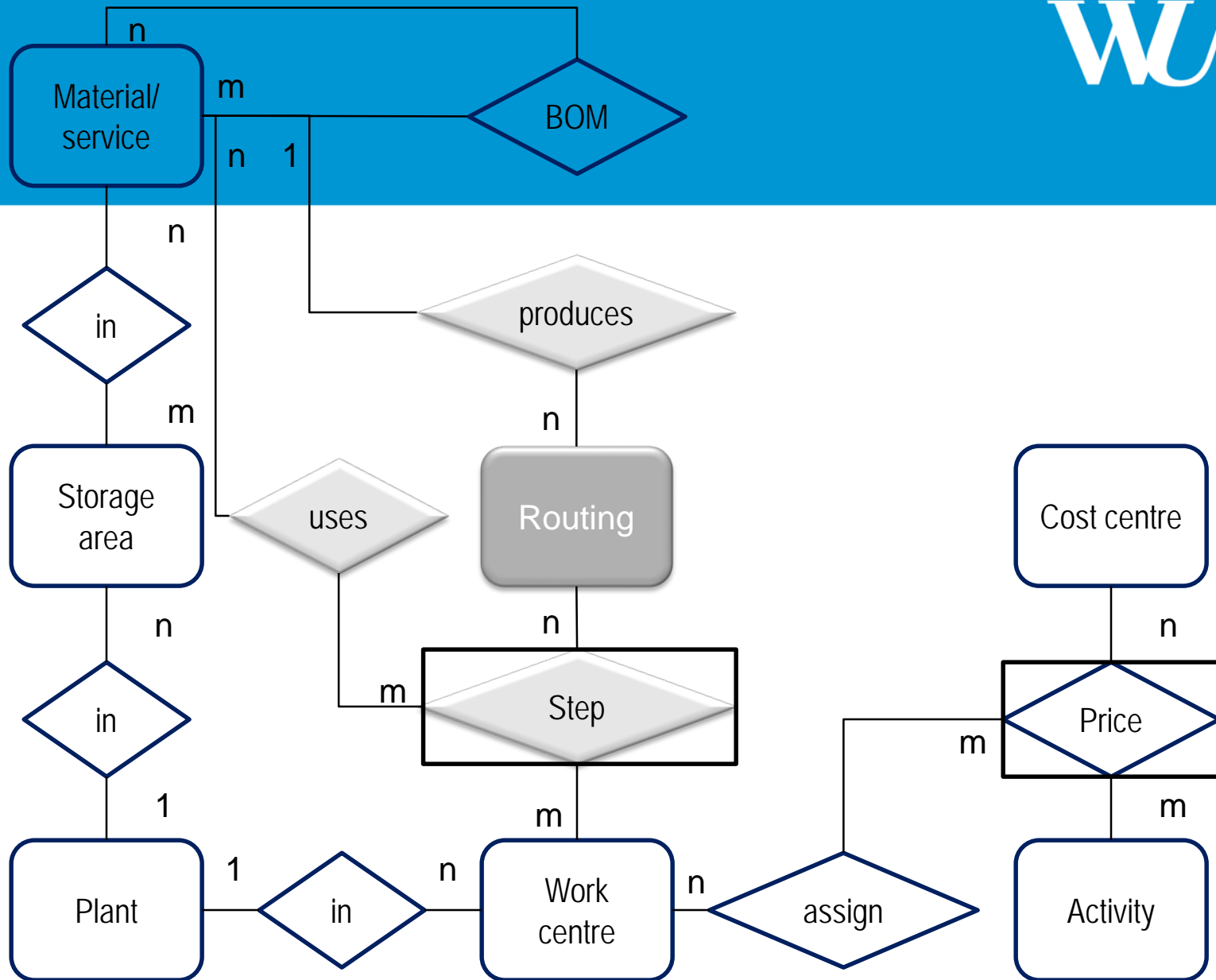
G-Shop

Backend system

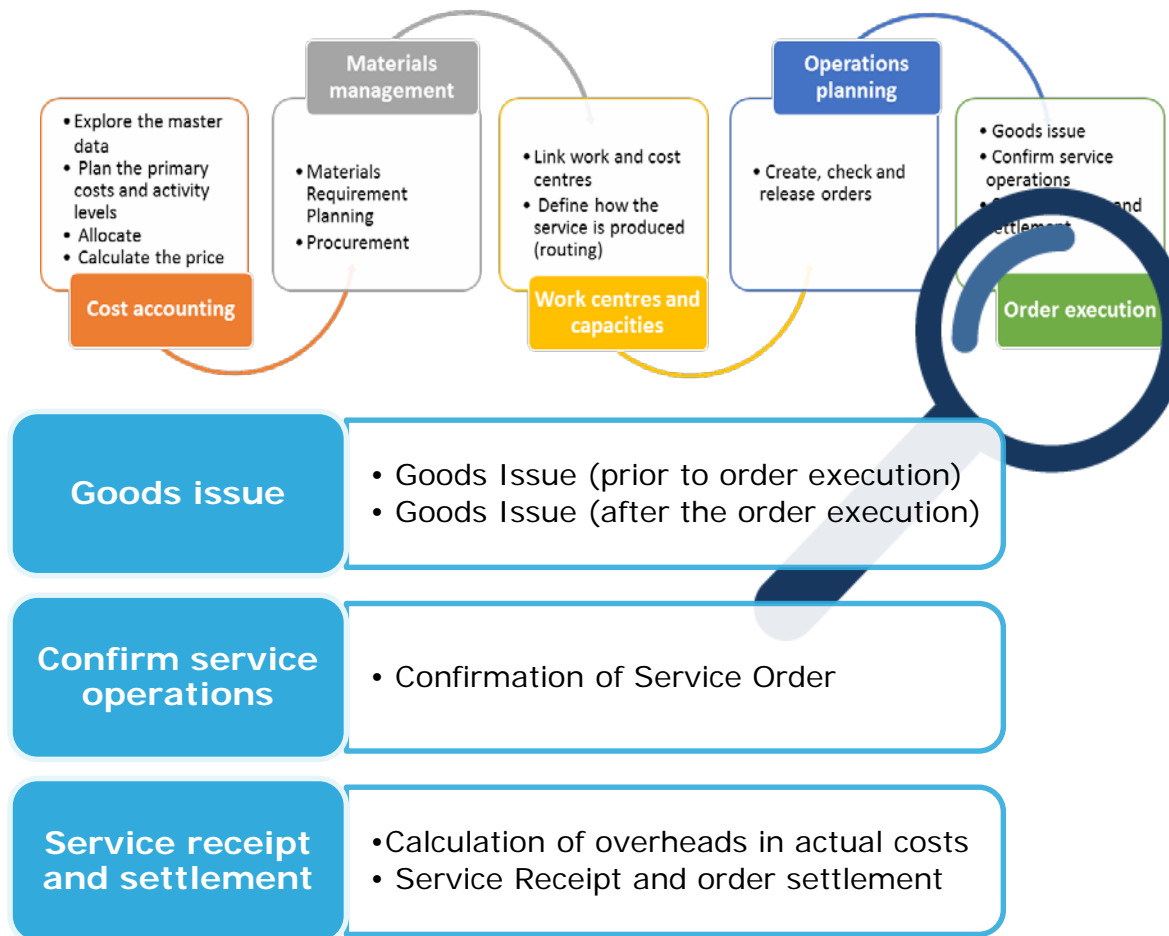


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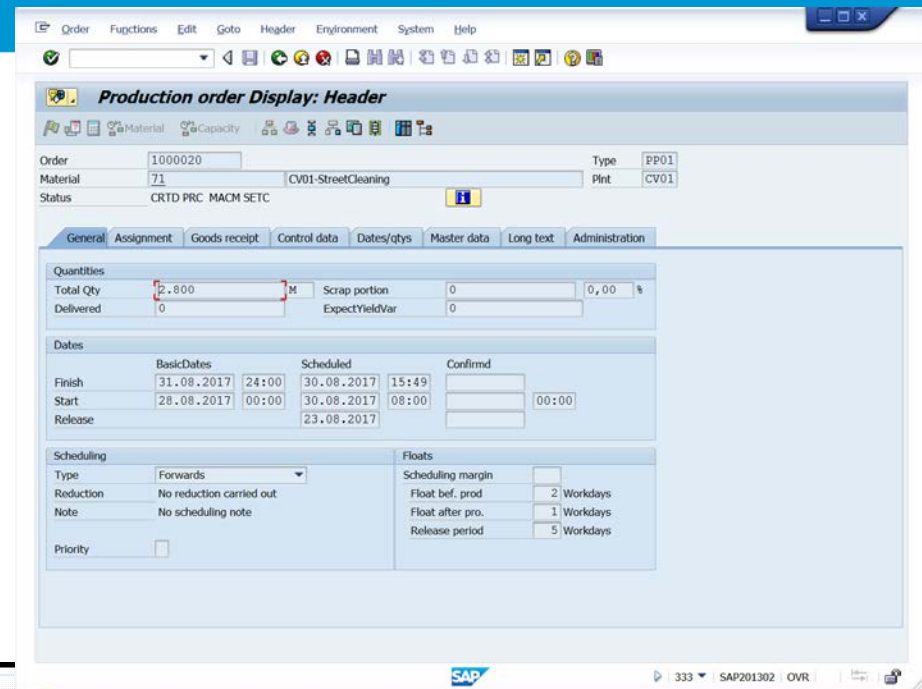




# Overview



# Overview



The screenshot displays the SAP 'Production order Display: Header' window. The interface includes a menu bar at the top with options like 'Order', 'Functions', 'Edit', 'Goto', 'Header', 'Environment', 'System', and 'Help'. Below the menu, there are icons for various functions. The main content area is divided into several sections:

- Order Data:** Order number '1000020', Material '71', Status 'CRTD PRC MACM SETC', Type 'PP01', and Plant 'CV01'.
- Quantities:** Total Qty '2.800', Delivered '0', Scrap portion '0', and ExpectYieldVar '0'.
- Dates:** A table showing Basic Dates, Scheduled dates, and Confirmed dates for Finish, Start, and Release.
- Scheduling:** Type 'Forwards', Reduction 'No reduction carried out', Note 'No scheduling note', and Priority '1'.
- Floats:** Scheduling margin '2 Workdays', Float bef. prod '1 Workdays', Float after pro. '5 Workdays', and Release period '5 Workdays'.

The bottom of the window shows the SAP logo and navigation icons.

Operational process



# Overview

The screenshot displays the SAP 'Display Material 57 (Raw materials)' interface. The title bar includes 'Material', 'Edit', 'Goto', 'Environment', 'System', and 'Help'. Below the title bar, there are tabs for 'Purchase order text', 'MRP 1', 'MRP 2', 'MRP 3', 'MRP 4', 'Forecasting', 'Plant data / stor. 1', and 'Plan...'. The main content area is divided into several sections:

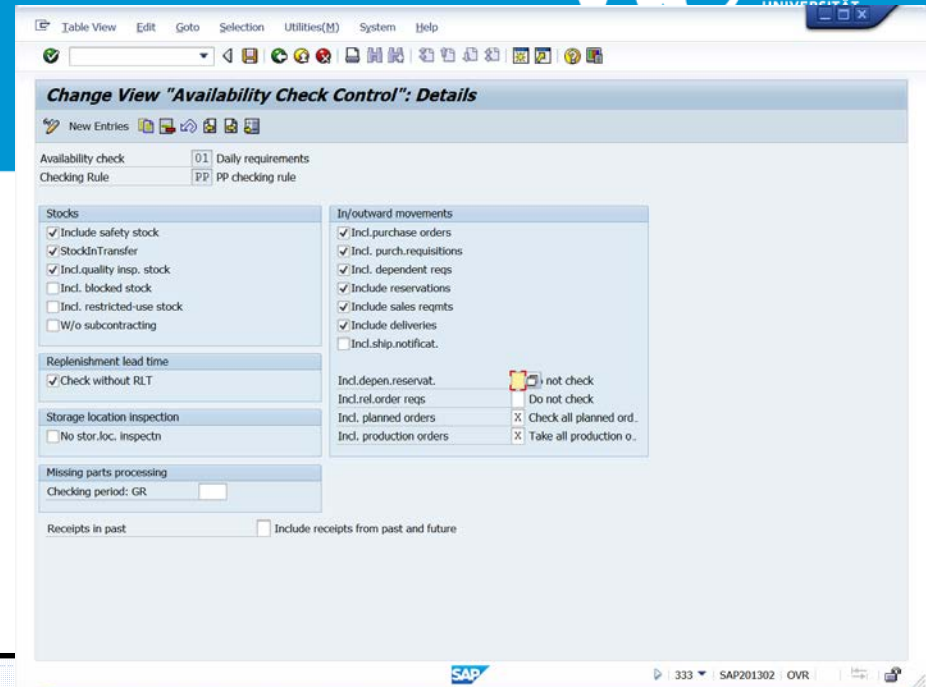
- General Data:** Includes fields for Base Unit of Measure (ST), Items, MRP group (0000), Purchasing Group (001), ABC Indicator, Plant-sp.matl status, and Valid from.
- MRP procedure:** Includes fields for MRP Type (PD), MRP, Reorder Point (0), Planning time fence (0), Planning cycle, and MRP Controller (002).
- Lot size data:** Includes fields for Lot size (EX), Lot-for-lot order quantity, Minimum Lot Size (0), Maximum Lot Size (0), Maximum stock level (0), Assembly scrap (%) (0,00), Takt time (0), Rounding Profile, Rounding value (0), and Unit of Measure Grp.

The SAP logo is visible in the bottom right corner of the interface.

Master data

Operational process

# Overview



The screenshot displays the SAP 'Change View "Availability Check Control": Details' window. The interface includes a menu bar (Table View, Edit, Goto, Selection, Utilities(M), System, Help) and a toolbar. The main content area is divided into several sections:

- Availability check:** 01 Daily requirements
- Checking Rule:** PP PP checking rule
- Stocks:**
  - ☒ Include safety stock
  - ☒ StockInTransfer
  - ☒ Incl. quality insp. stock
  - ☐ Incl. blocked stock
  - ☐ Incl. restricted-use stock
  - ☐ W/o subcontracting
- Replenishment lead time:**
  - ☒ Check without RLT
- Storage location inspection:**
  - ☐ No stor.loc. inspectn
- Missing parts processing:**
  - Checking period: GR
- In/outward movements:**
  - ☒ Incl. purchase orders
  - ☒ Incl. purch. requisitions
  - ☒ Incl. dependent reqs
  - ☒ Include reservations
  - ☒ Include sales reqmts
  - ☒ Include deliveries
  - ☐ Incl. ship. notificat.
- Incident handling:**
  - Incl. depen. reservat. ☐ not check
  - Incl. rel. order reqs ☐ Do not check
  - Incl. planned orders ☒ Check all planned ord.
  - Incl. production orders ☒ Take all production o.
- Receipts in past:**
  - ☐ Include receipts from past and future

The SAP logo is visible in the bottom left corner of the window. The status bar at the bottom right shows '333', 'SAP201302', and 'OVR'.

Customizing

Master data

Operational process

# Overview

*Planning*

Implementation

