

# \* South African project



**Masaryk University**

Faculty of Economics and Administration,

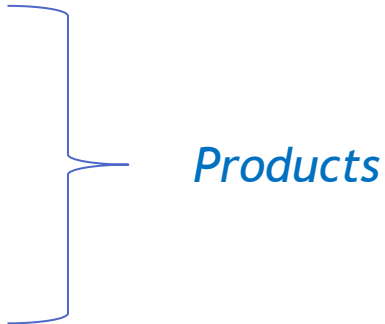
Department of Business Administration

Ing. J. Skorkovský, CSc.





# Basic business specification

- \* 100 000 Tones per Year
  - \* *Carbonless papers*
  - \* *Cast coated papers and Board*
  - \* *Coated papers*
  - \* *House brands*
  - \* *Office papers*
  - \* 5000 locations in HQ and 40 000 M<sup>2</sup> warehousing space
  - \* 50000 customers
  - \* 90 vehicles
  - \* FEC trading (Forward Exchange Contracts)
  - \* Hundreds of employees
  - \* Heterogeneous IT system with **every day synchronization** of data in HQ and subsidiaries
  - \* High volume-low margin type of business
- 
- Products*

# Basic requirement

- \* One database only (MS SQL)
- \* Modern IT technology ensuring :
  - \* Fast access to data providing on-line information any time
  - \* Easy upgrades
  - \* Mobile technologies (BAR code readers,..)
  - \* Quick response to business partner requirements
  - \* Multidimensional analytic tool->reporting to support decision making process
  - \* Efficient warehousing (inbound and outbound operations)
  - \* On-line reporting (warehouse status, accounting, cost control,.....)

# \* Isolated Data Islands

Accounting Island



Marketing & Sales Islands



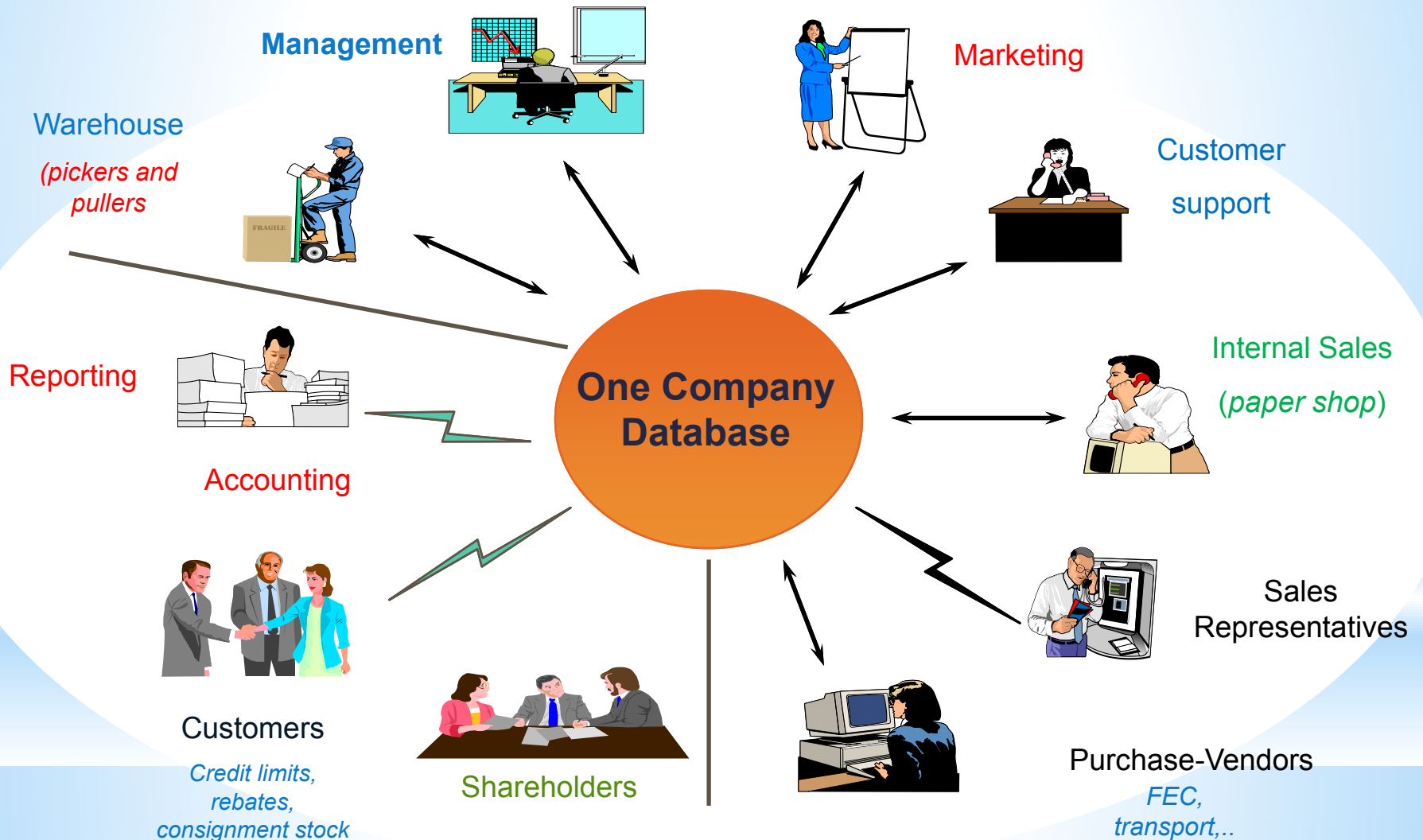
Island of Deliveries



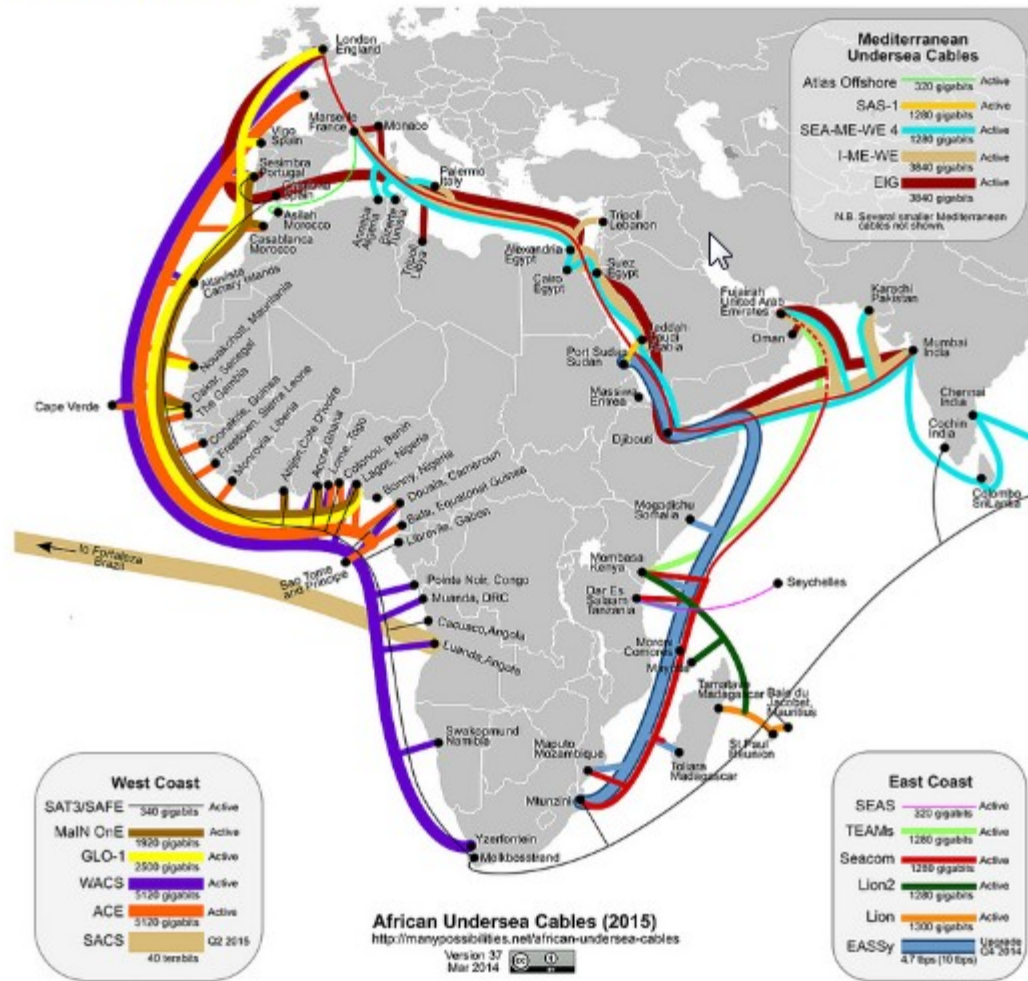
Quality Management Island



# One Solution ● One Database ● All Microsoft



# Communications limits (band width, stable connection...)



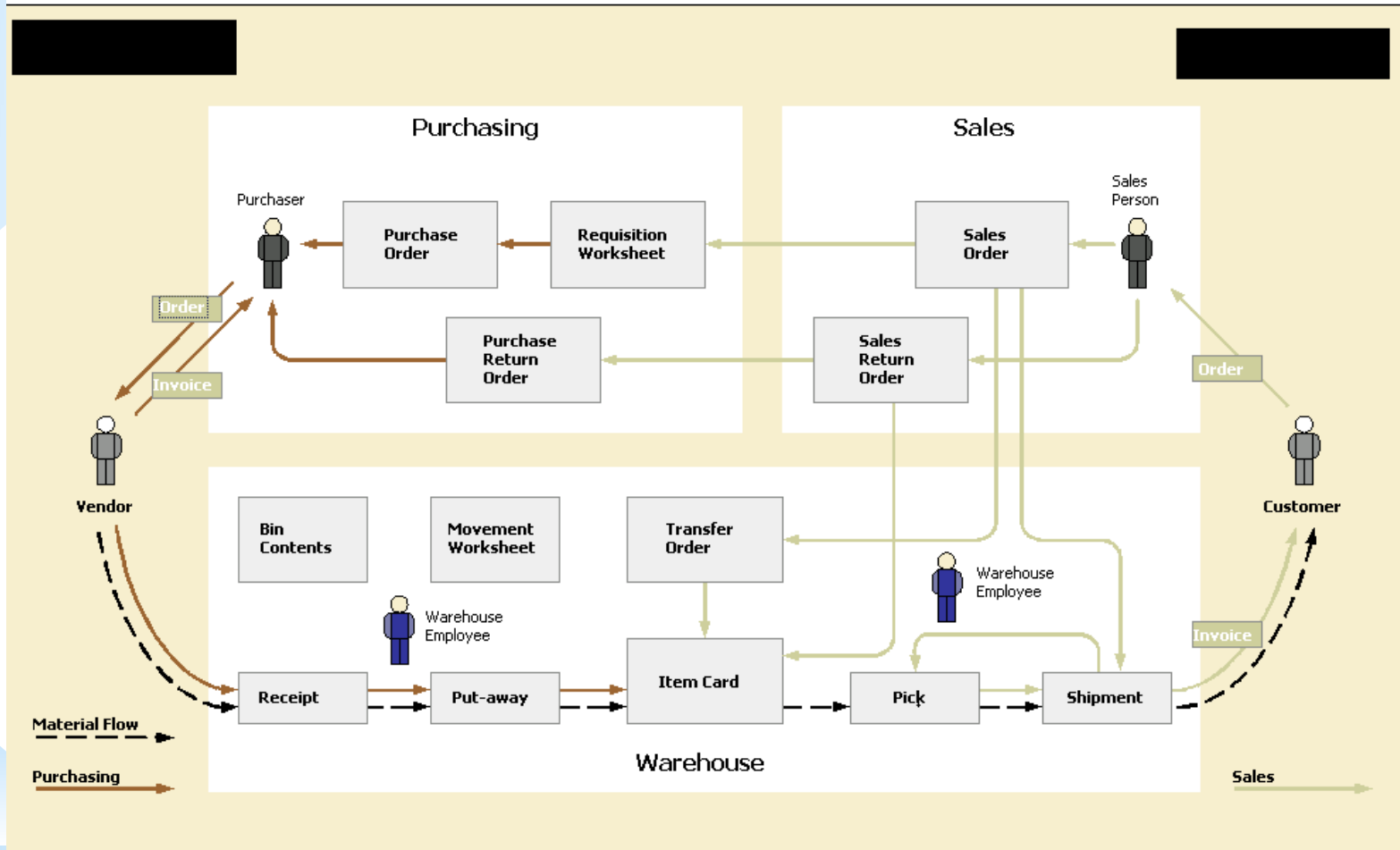
# Efficient warehousing

-(only a few examples)

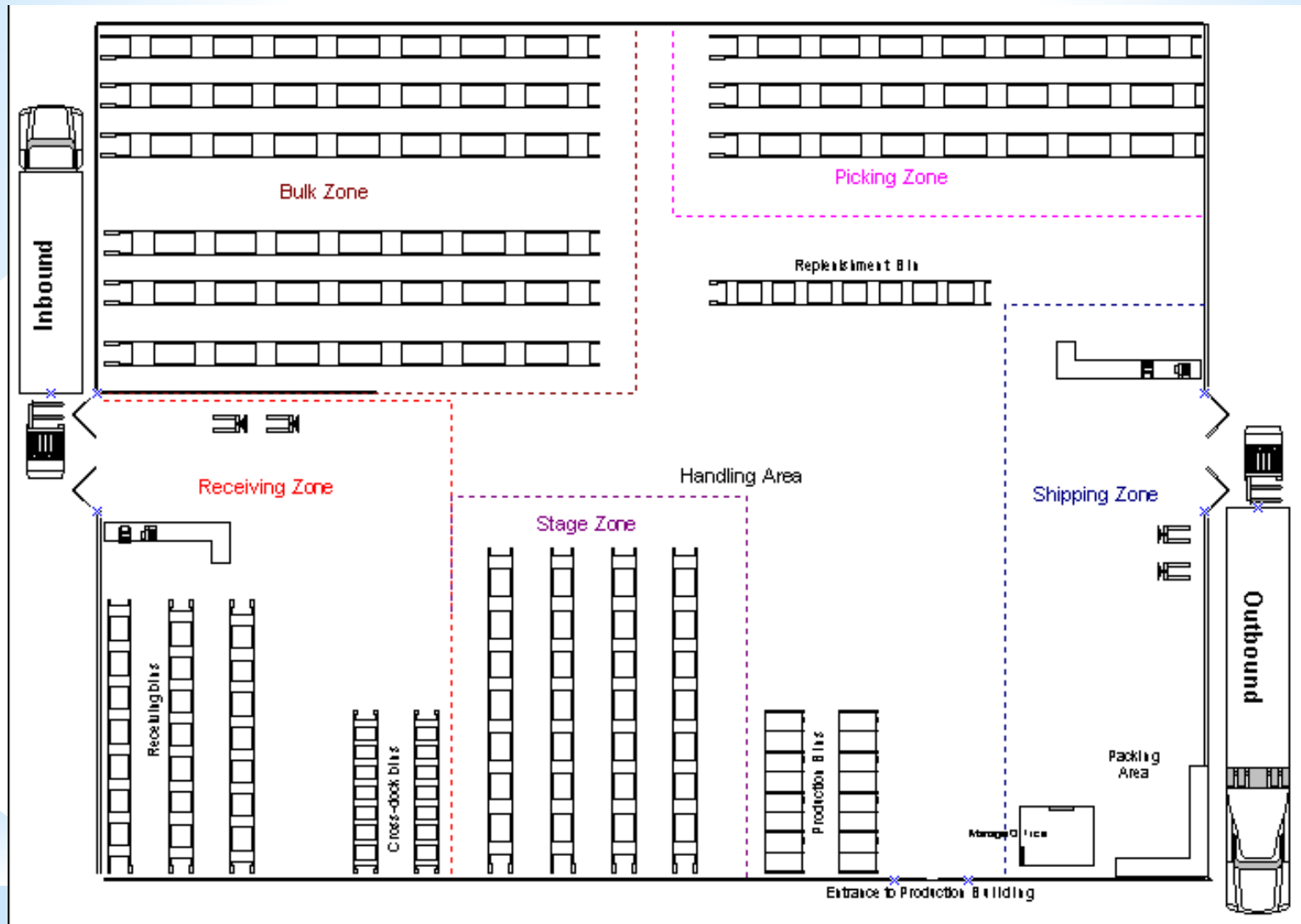
- \* Receipt bins (area where lorries are unloaded)
- \* Put-away to bins (racks) based on zones definition
- \* Capacities of the bins (racks) - (weight, size)
- \* Cross docking (from inbound are directly to outbound area)
- \* Transfer between location (HQ and subsidiaries)
- \* Picking slips (from rack to shipment area)
- \* Shipments area (bins, cages)
- \* Transport planning
- \* Credit limits and overdue payment check
- \* Invoices, Credit memos,....
- \* Claim management



# \*Warehousing



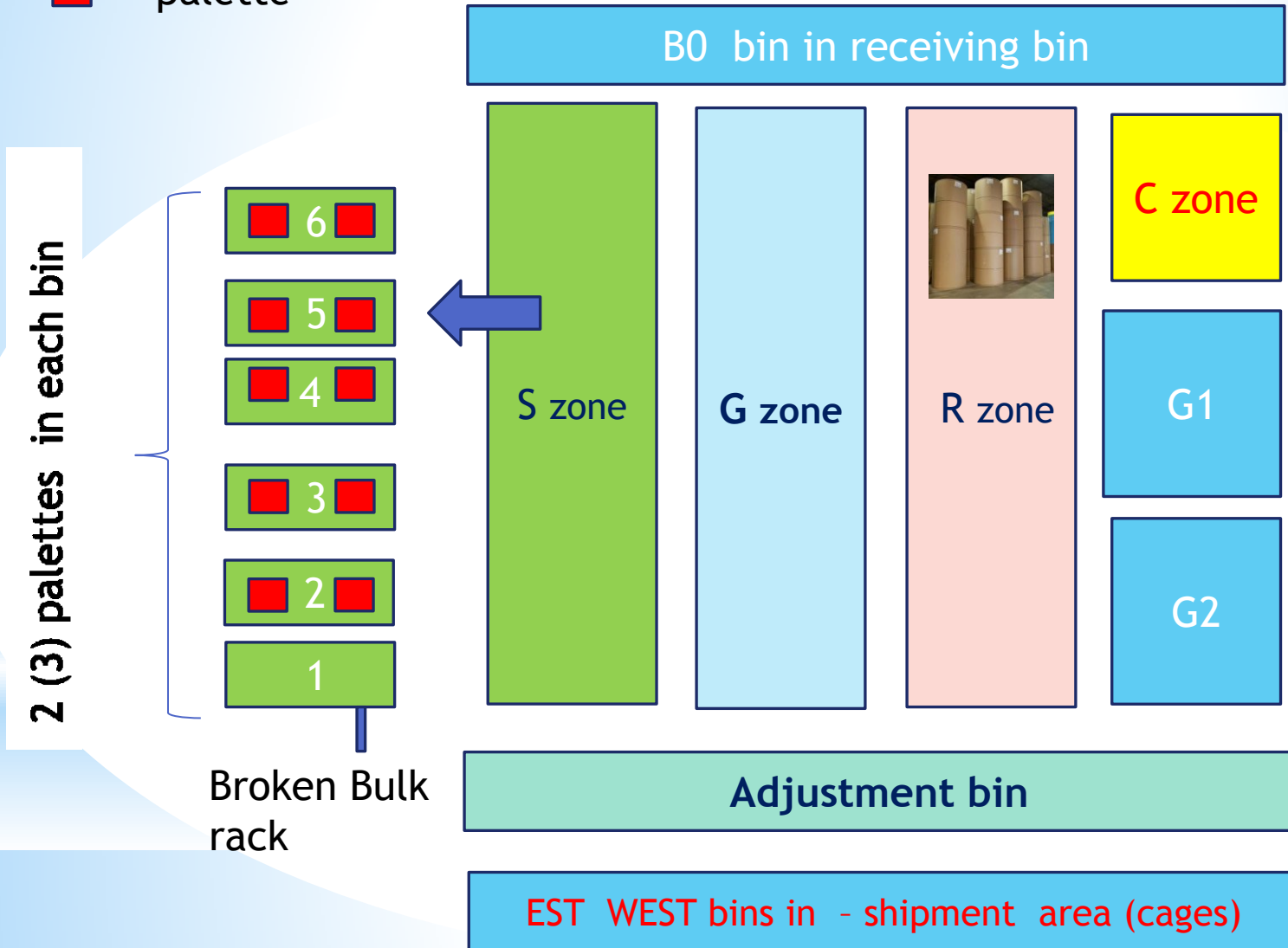
# \*Warehousing





\* **Design** (S=Sheets, R=Reels, G=Graphics, C=Cutting, G=Guillotine)

■ = palette



# \*Project management

- \* Budget <-> Quote and contract
- \* Planning of resources and task control
- \* Planning tools - see following slides
- \* Reporting
- \* Change management
- \* Project Risks
- \* Consignment stock
- \* CPM, PERT, CCPM - will be mentioned later

# \*Resource planner tool

CRONUS Combo Demo 2013 R2 - Home

HOME ACTIONS REPORT

Job Profitability Matrix Job WIP Cockpit Job Analysis Summary-Estimate Job Analysis Summary-Actual Job Schedule by Start Date Job Schedule by Finish Date Job Cost Audit Report & Variance

Role Center - Job Manager

Job Manager Activities

**Jobs**

- Planning Jobs: 2
- Quote Jobs: 6
- Order Jobs: 50

**Sales**

- Sales Quotes: 12
- Sales Orders: 64
- Sales Invoices: 4
- Sales Cr. Memos: 1

**Purchases**

- Purchase Quotes: 3
- Purchase Orders: 27
- Purchase Invoices: 1
- Purchase Credit Memos: 0

My Notifications

From	Created Date	Note	Page
CCSNET,RICK	3/28/2014	Check the Subcontract Expenses on this Job please.	Job Card - 1006...

My Job Estimate to Actual

My Jobs

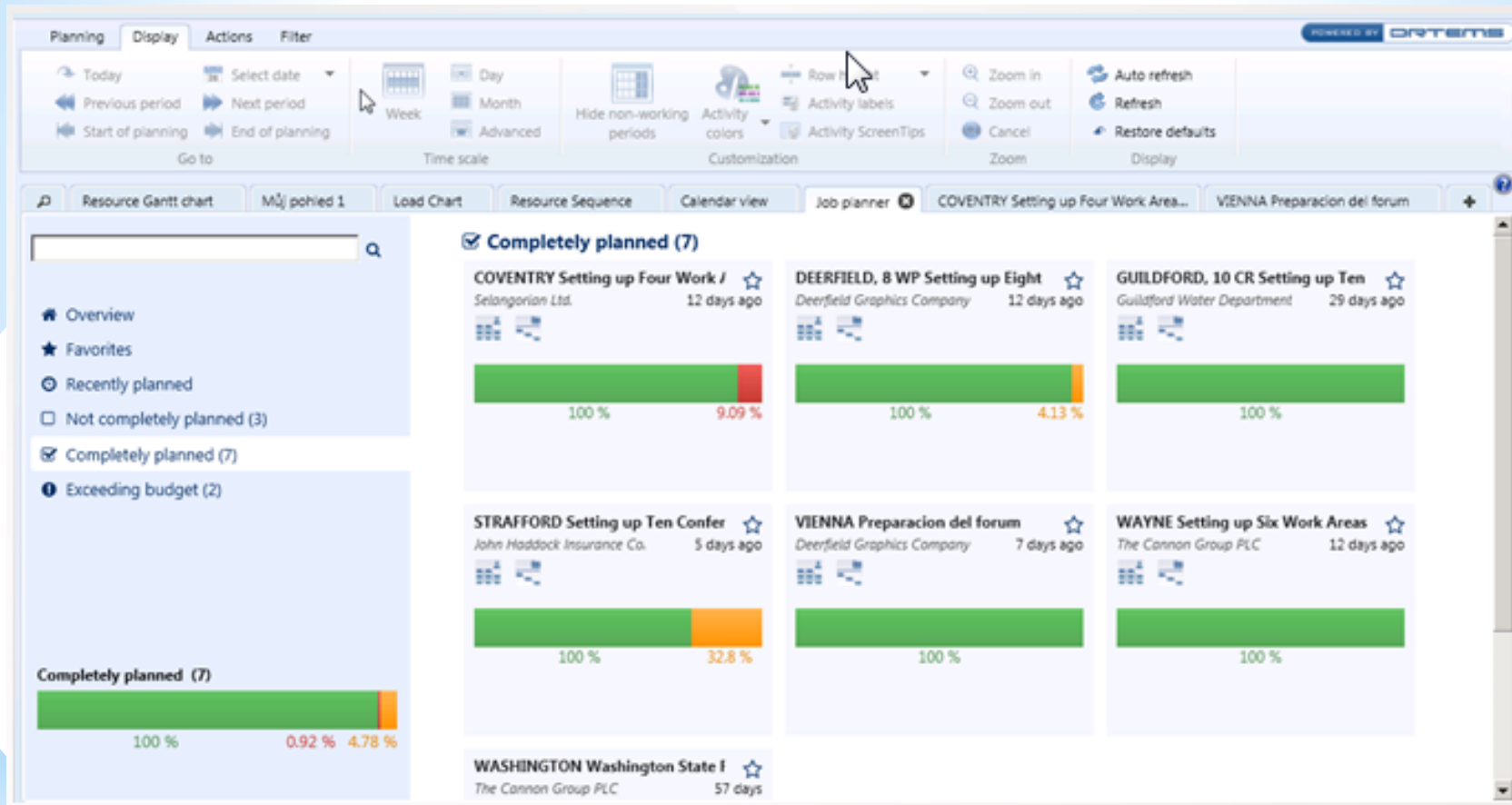
Job No.	Description	Description 2	Start ...	Status
1006-01	Sub Job For SQ No.1006	Custom Material Hand...	2/3/2014	Order
5010-01	Cannon Group Master...	Finished Good #101 (J...	2/3/2015	Order
5010-02	Cannon Group Master...	Custom Material Hand...	10/7/2...	Order

Customers per Salesperson

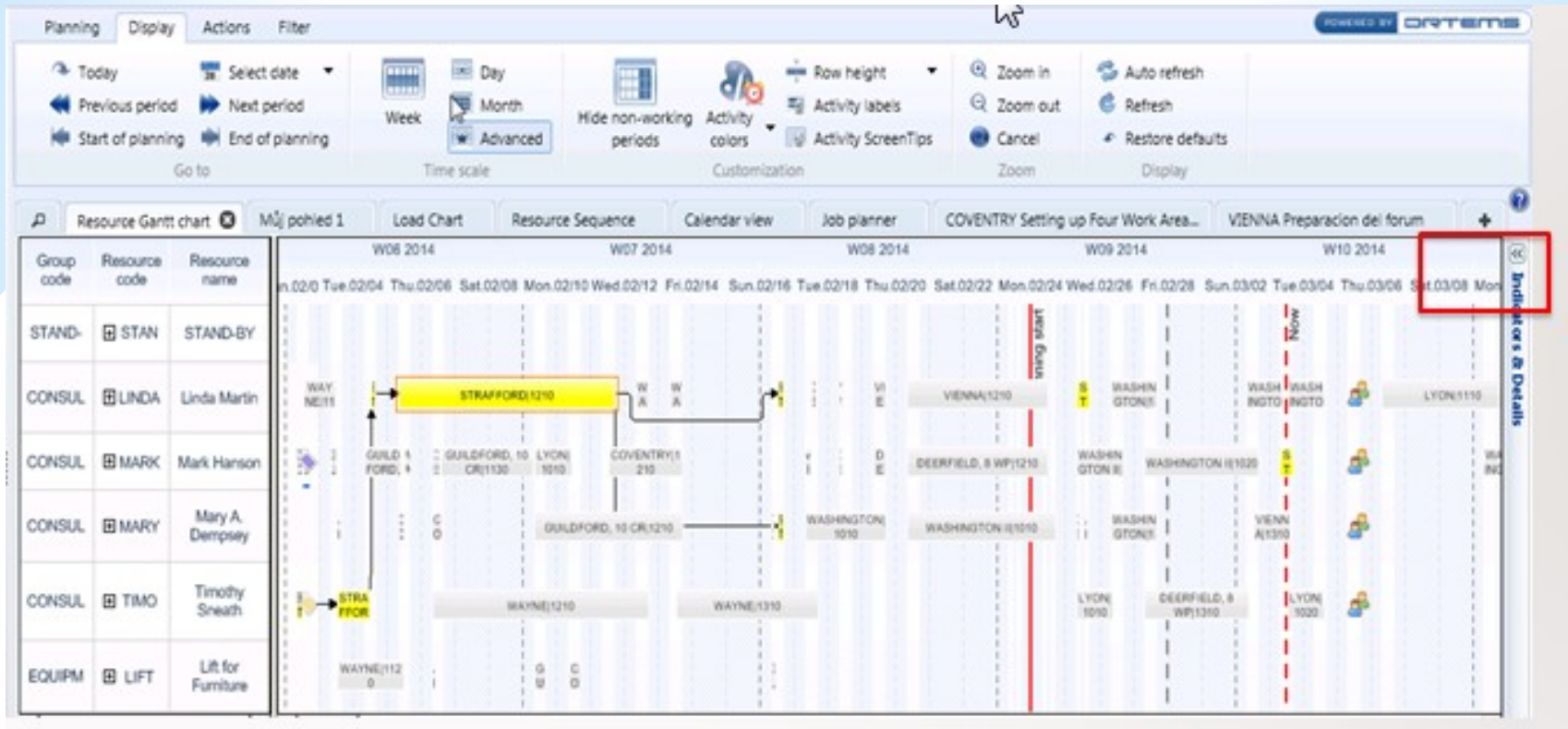
My Customers

Customer ...	Phone No.	Name
10000	317-846-6025	The Cannon Group PLC
20000	317-846-6025	Selangorian Ltd.

# \*Resource planner tool



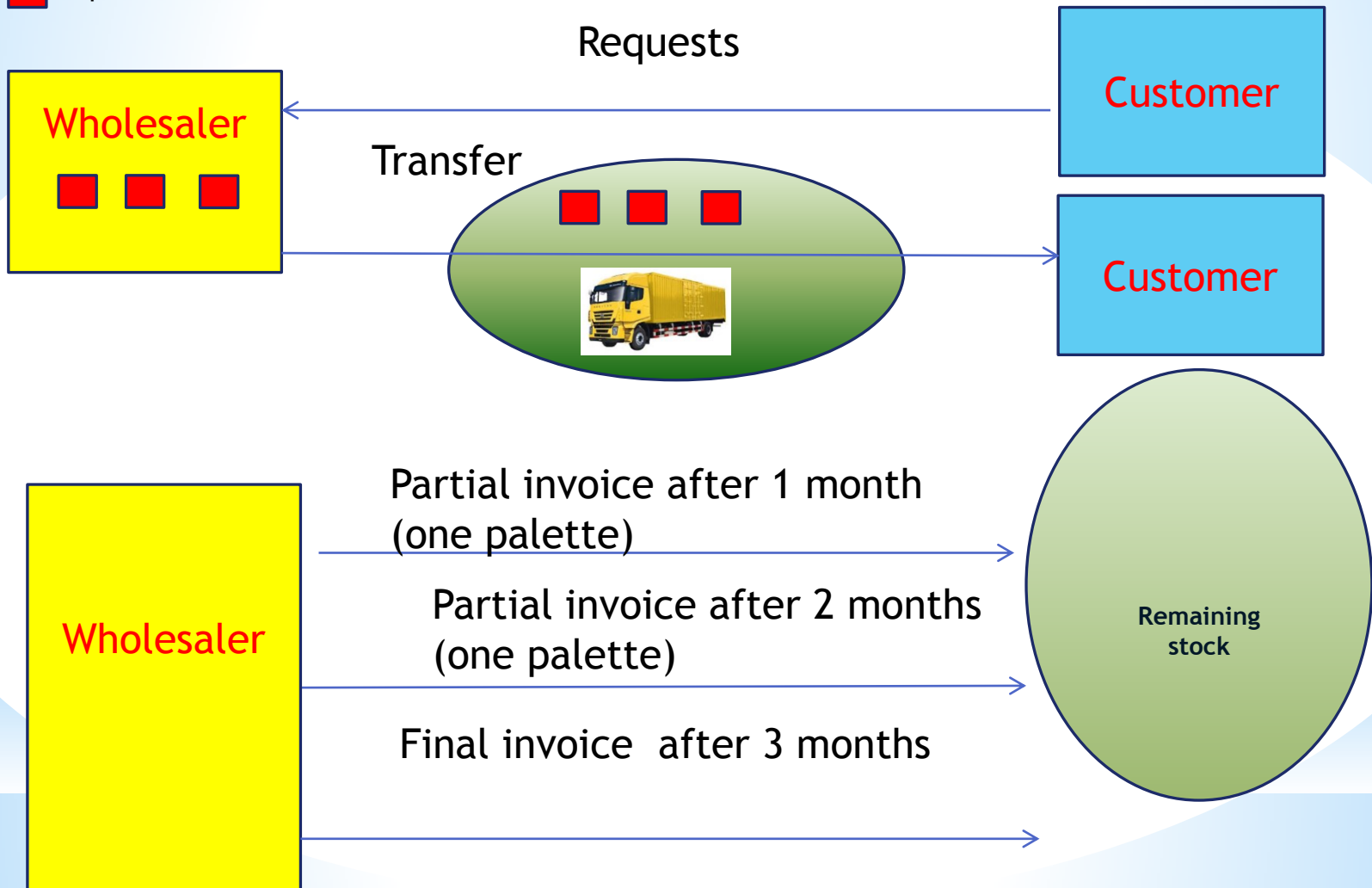
# \*Resource planner tool





# \* Consignment stock (benefits)

■ = palette



# \* Forward Exchange Contract

A special type of foreign currency transaction. Forward contracts are agreements between two parties to exchange two designated currencies at a specific time in the future. These contracts always take place on a date after the date that the **spot** contract settles, and are used to protect the buyer from fluctuations in currency prices.

FEC Selection - Order POE0000017 - FEC13

DOMOVSKÁ STRÁNKA CRONUS International Ltd. ?

Refresh Find

Page

Opened from Purchase order (MS Dynamics NAV 2013)

Contract No.	Currency Code	Date	Exchange Rate	Spot Rate	Amount	Amount (LCY)	Used Amount	Amount to Invoice
FEC01	USD	22.7.2014	10,678	10,000	1 000,00	10 678,00	1 000,00	0,00
FEC03	USD	31.7.2014	10,700	10,000	400,00	4 280,00	400,00	0,00

# \* Training

- \* Materials
- \* Key users
- \* Training planning
- \* Examination
- \* Change management
- \*

# \*Implementation

- \* Data transfer
- \* Setup of the system
- \* Tests
- \* Evaluation
- \* Change management
- \* Sharp start
- \* Closing project