



## Chapter 6 :

# Information Systems Strategy : Architecture and Infrastructure

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# The leap from strategy to architecture to infrastructure



- From Strategy to Architecture
- From Architecture to Infrastructure
- A framework for translation

# From Strategy to Architecture



- The manager must start out with a strategy, and then use the strategy to develop more specific goals.
- The manager can provide the architect with a clear picture of what IS must accomplish and the governance arrangements needed to ensure their smooth development, implementation, and use.



# From Architecture to Infrastructure

- This task entails adding yet more detail (*hardware, data, networking, and software*) to the architectural plan that emerged in the previous phase.
- Its must be combined in a coherent pattern to have a viable infrastructure.



# A Framework for the Translate

- *Hardware:*

The physical components that handle computation, storage, or transmission of data

- *Software:*

The programs that run on hardware to enable work to be performed.



# A Framework for the Translate

- *Network:*

Software and hardware components : switches, hubs, and routers.

- *Data:*

The electronic representation of the numbers and text on which the IT infrastructure must perform work.



# Example

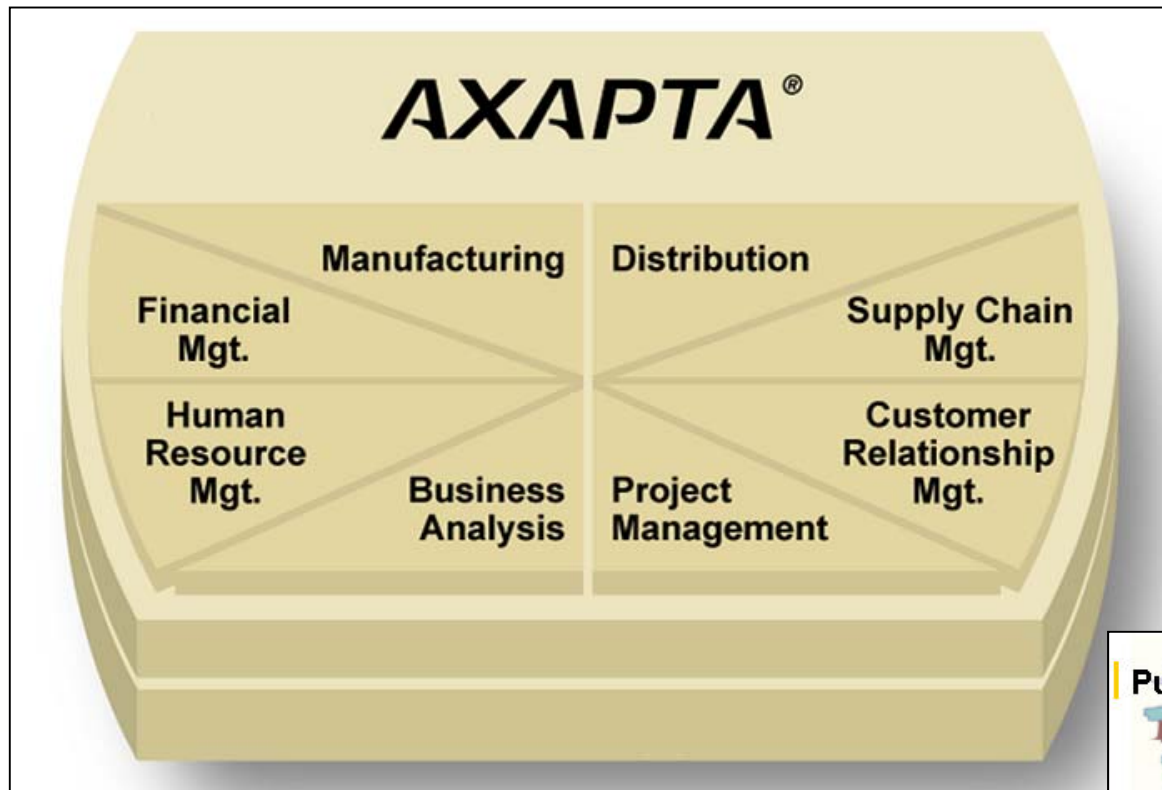
- Example for information systems strategy about architecture and infrastructure in Scancom company.



# **ERP Systems in SCC**



# Axapta – What is Axapta

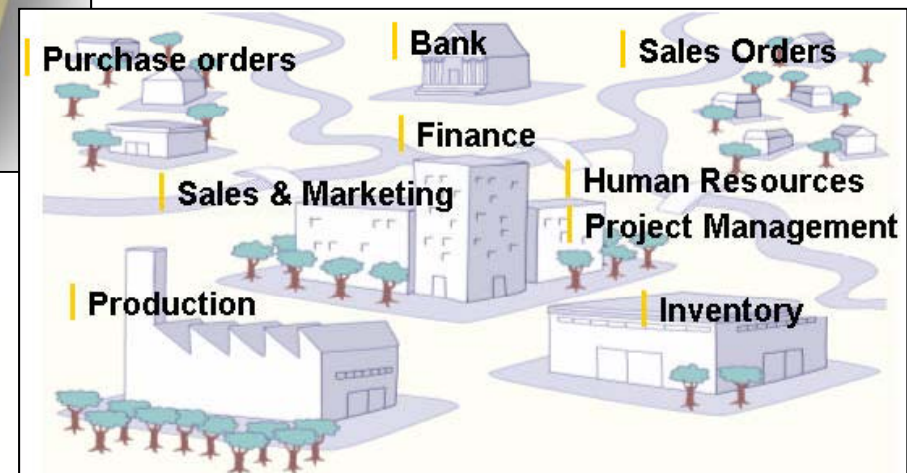


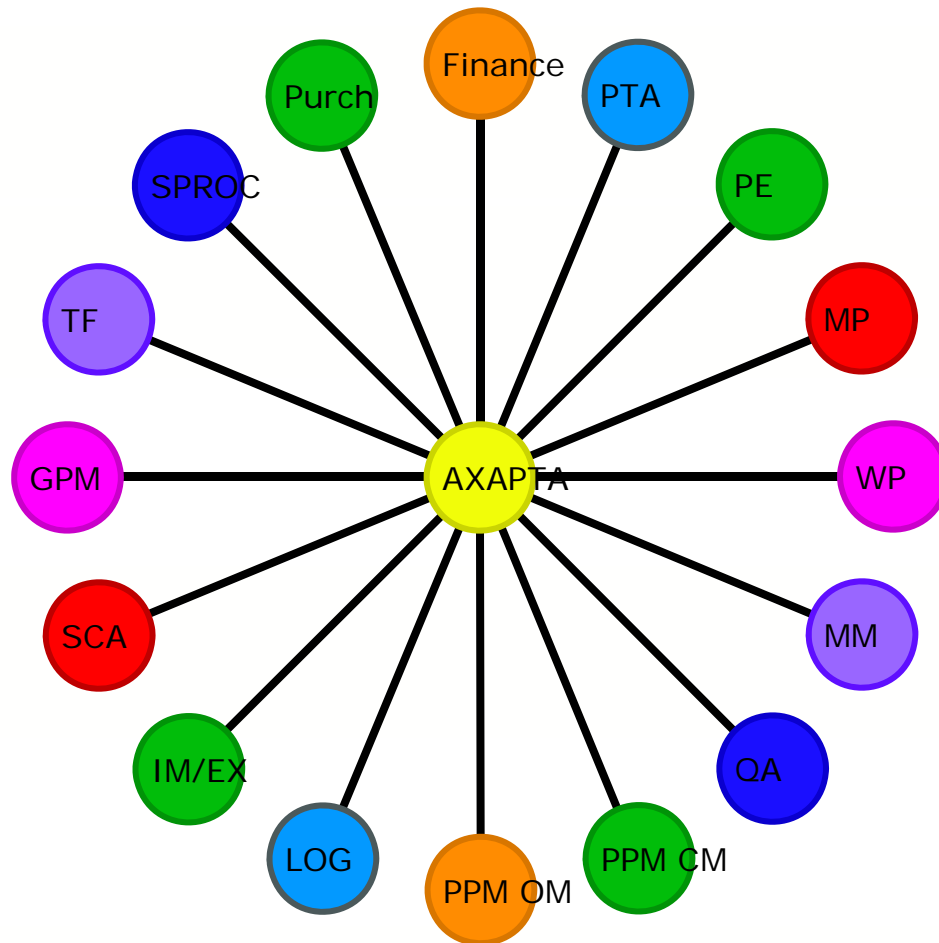
## Business Solution

One solution for each member of the community

## Enterprise Resource Planning (ERP)

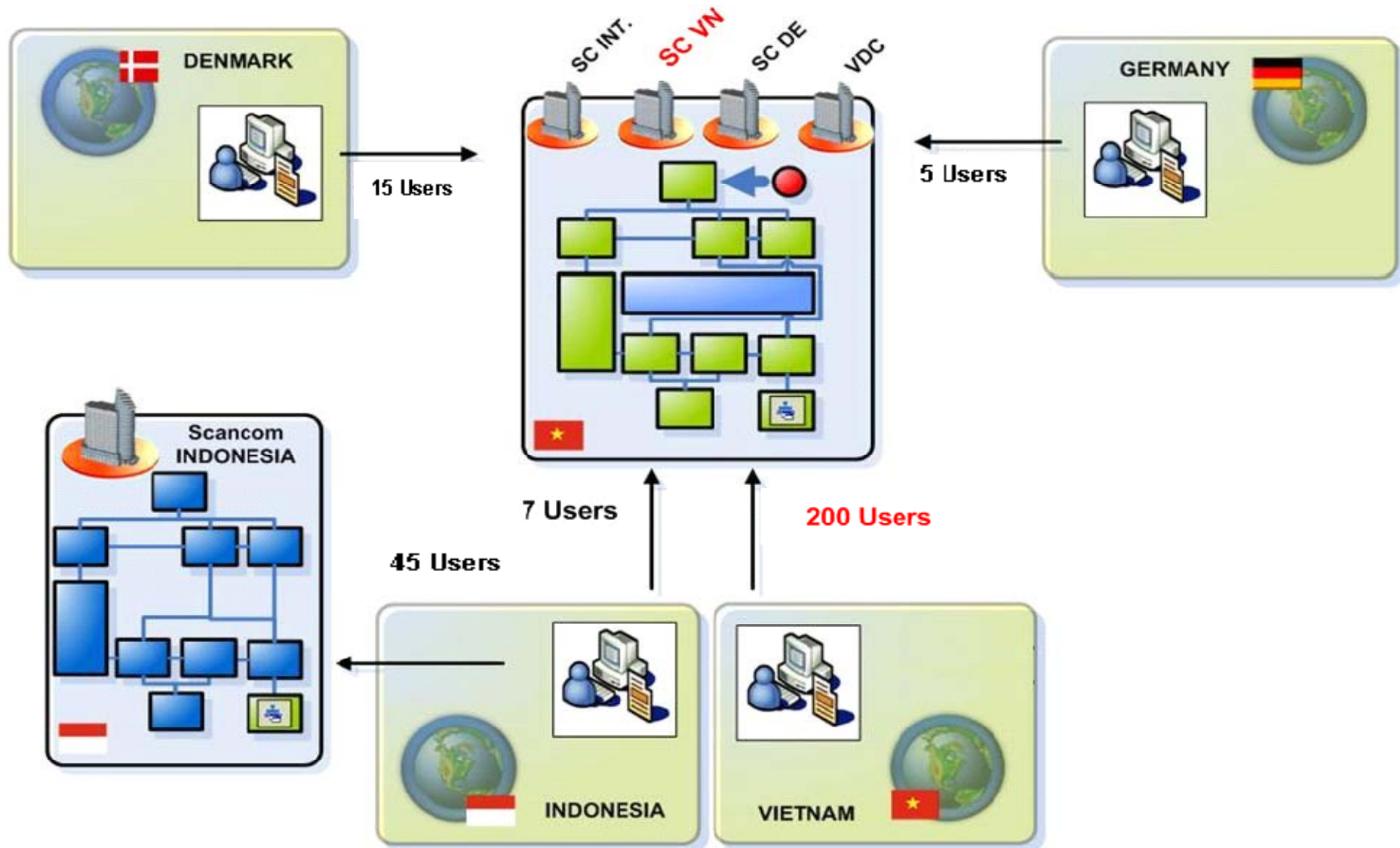
An integrated information system, that serves all departments within an enterprise



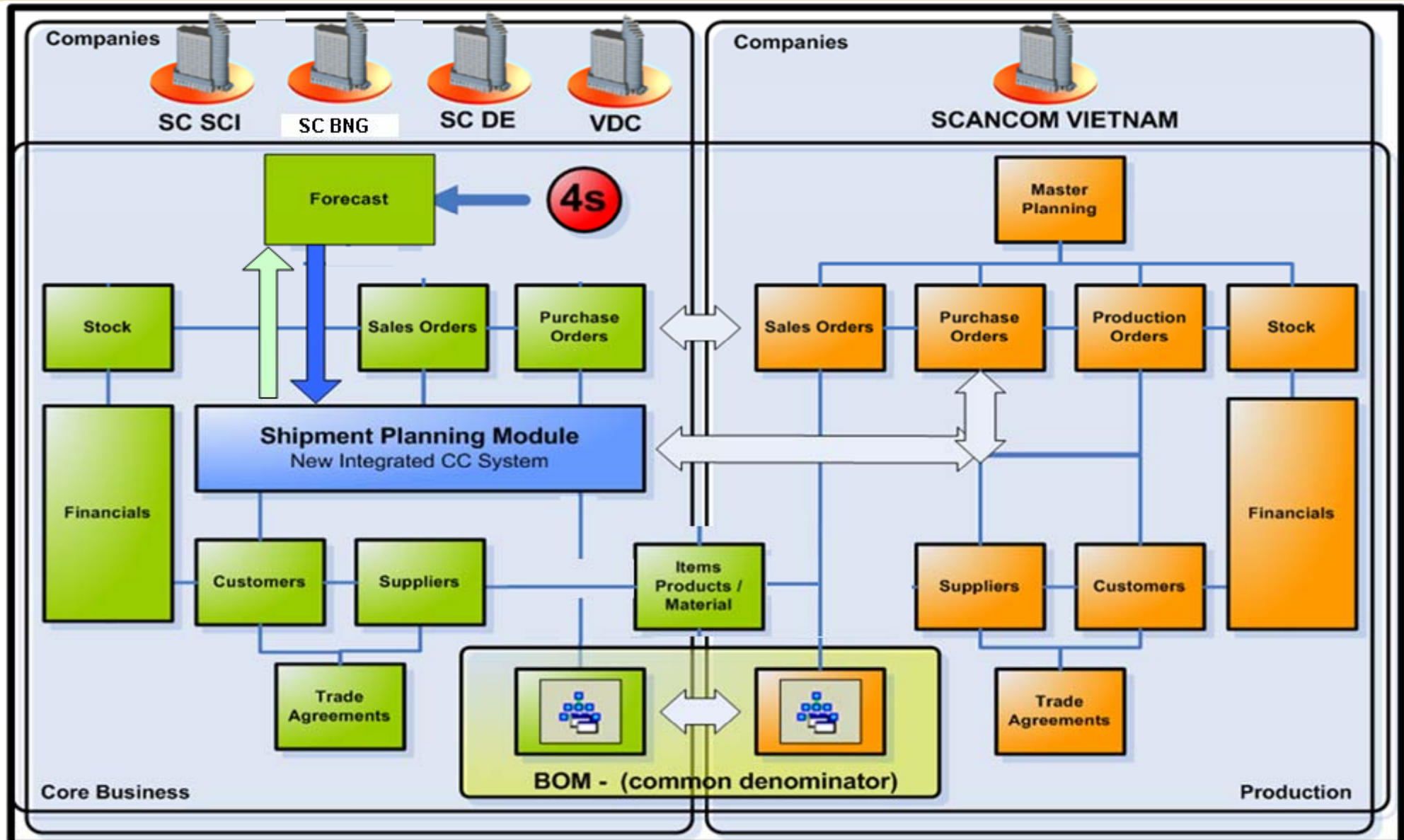


**Purchase department:** All other departments

# Axapta – Axapta in Scancom Group

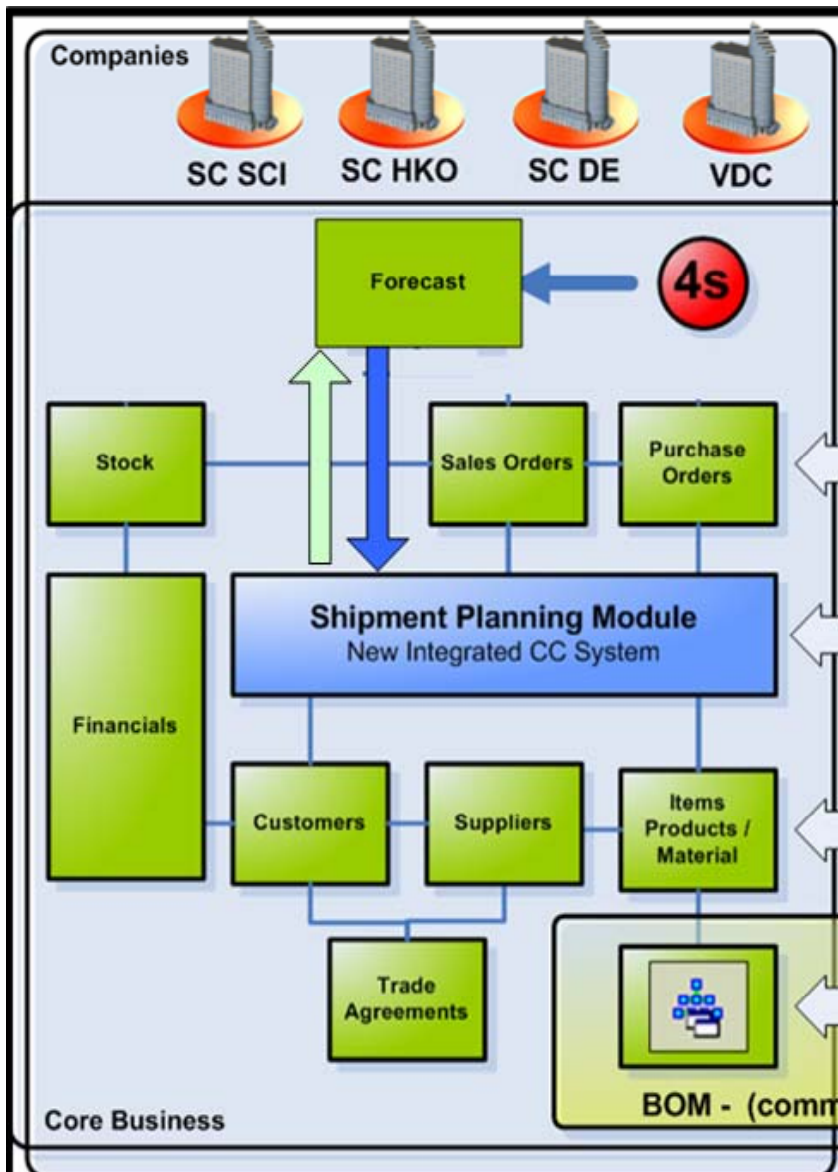


# Axapta – Axapta in Scancom





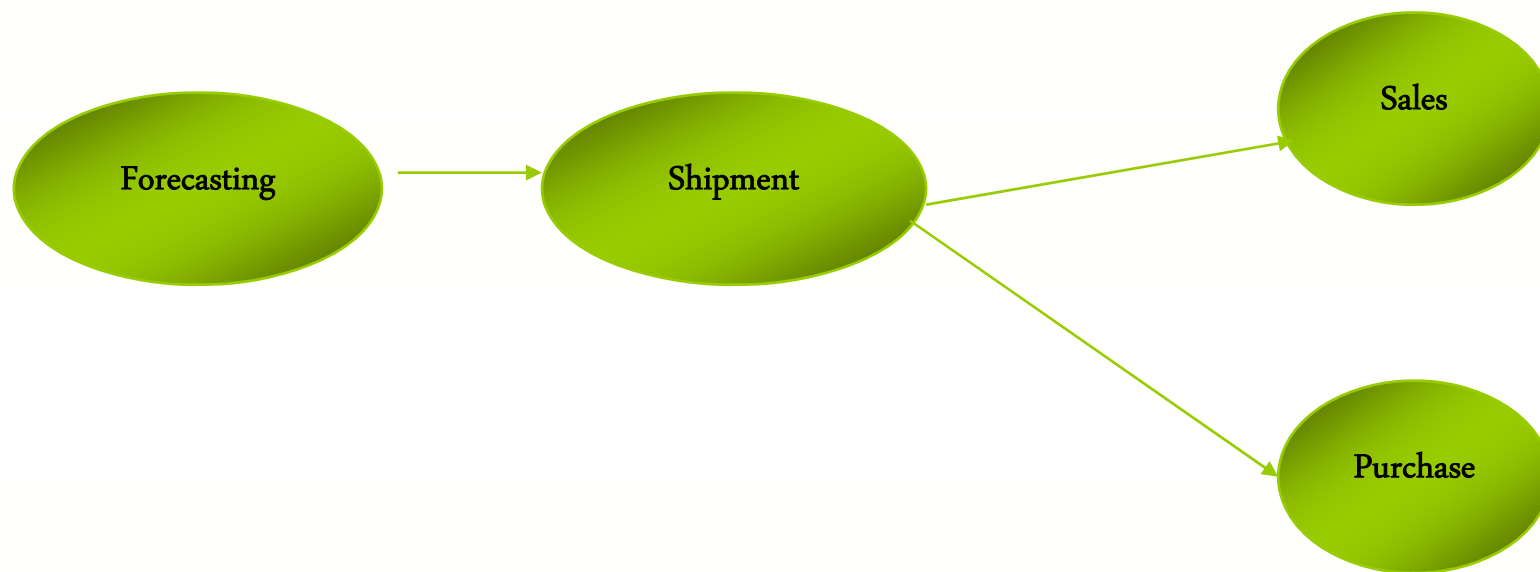
# Trading System (SCI/HKO/VDC)



- SCI: Scancom International, sell finished goods to end customers
- SC HKO: Scancom HongKong, sell finished goods to end customers
- VDC: Sell wood, finished goods to SCI/HKO
- SC DE: Buy finished good from SCI/HKO and sell to end customers
- BNG: Banegaardsbygningen Aps

All companies above are in one system = Trading system

# Trading\_Process

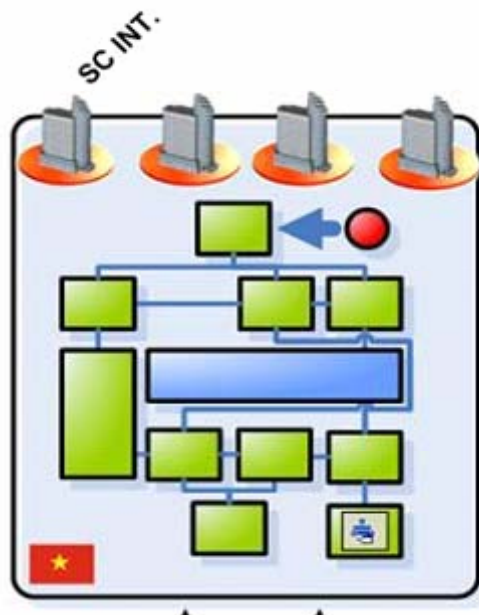


# Scancom INDONESIA



- Till Nov-7-2008, 20-25 users using Axapta
- From Nov-10-2008, 45 users using Axapta (after applying IR function)
- So well-controlled from users and IT team in Indonesia. KM has just done for some big/complicated requests/functions

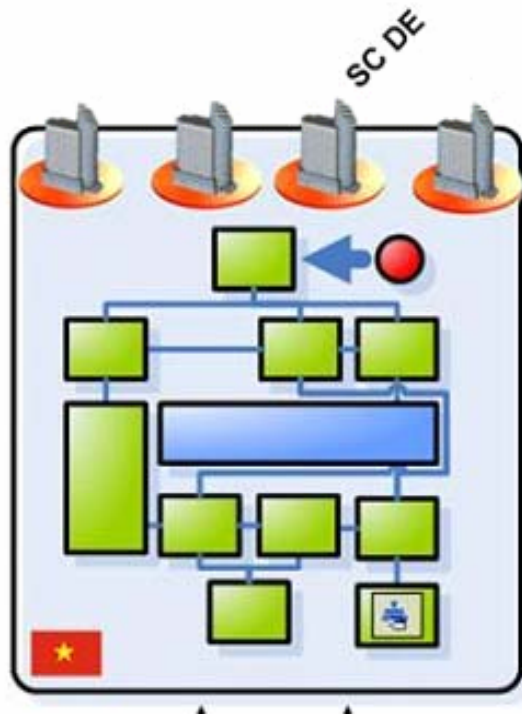
# Scancom SCI



- Commercial team in Indonesia
- Sales and Finance teams in DK
- Sales team in DEU
- All most people in VN

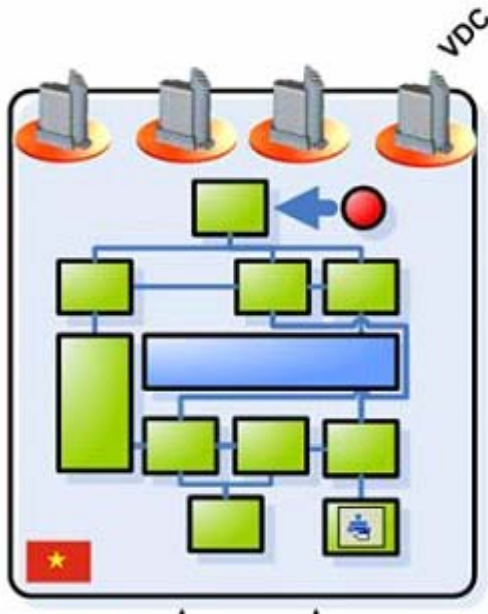


# Scancom DE



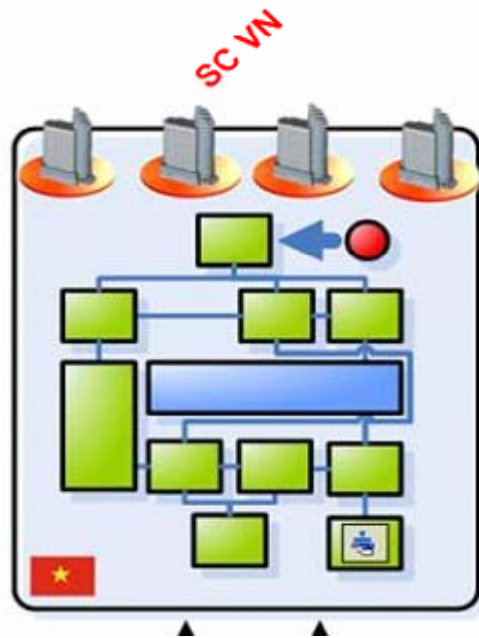
- Just for people in DE
- Using standard functions, no customization
- Normally all trading transactions

# VDC

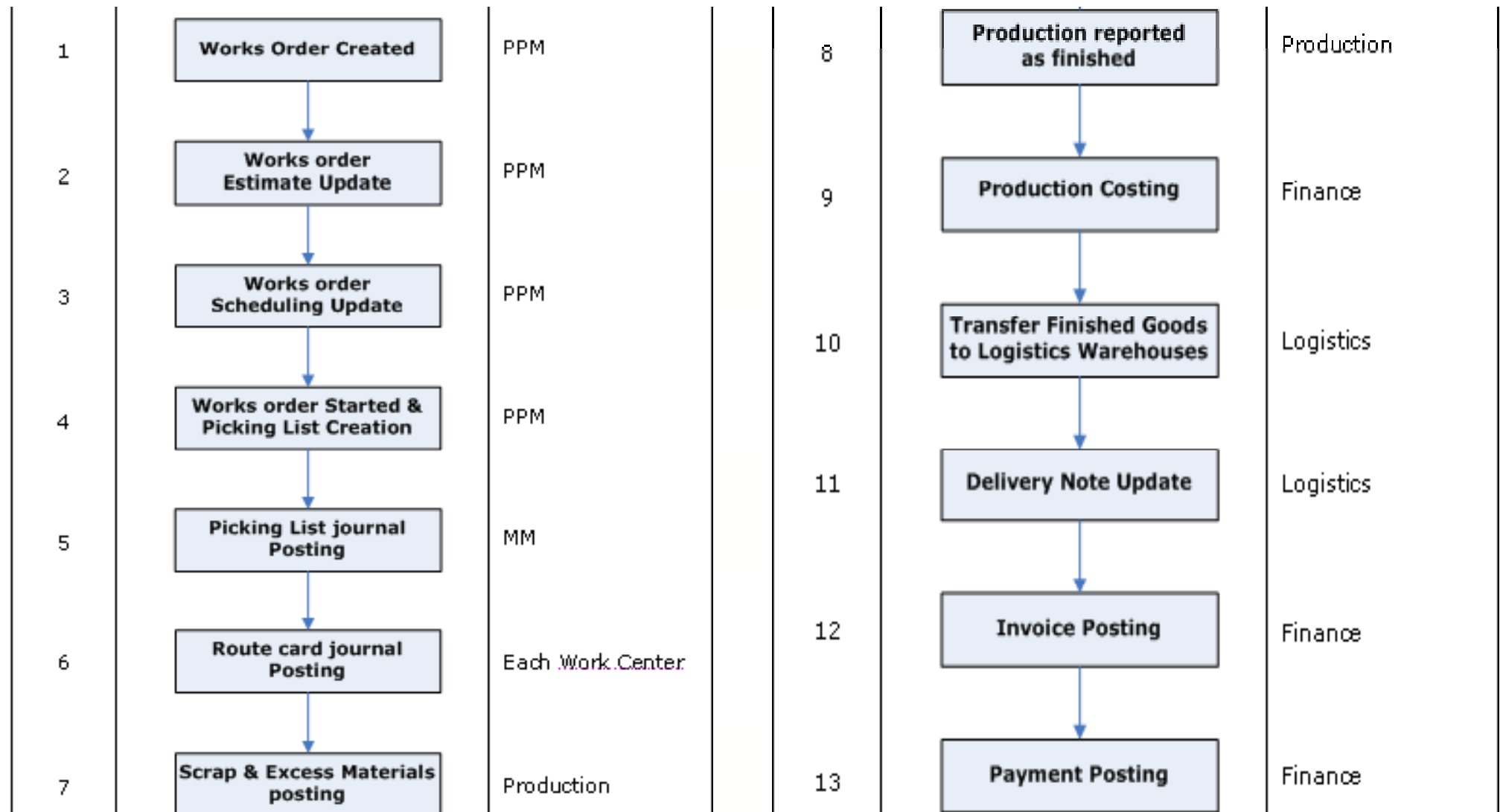


- Buying components to create finished goods
- For buying/selling wood and finished goods
- Integrate with SCI for synchronizing sales/purchase transactions, product information

# Scancom Viet Nam



# Scancom VN: production, shipment & payment



# Manufacturing system (SCVN) \_ Process



# Product Overview



## (sci) Product Overview - Item number: 1039910124, Lynx carver easy chair, ALU GPH, PAR FSC

### Overview

#### Product Overview

Item number: 1039910124

Item name: Lynx carver easy chair, ALU GPH, PAR FSC

#### Categories

Item group: 1023

Outdoor - Aluminum

Cat 1: 24

Wood

Cat 2: 00

#### Drawing Code

Drawing Code: PN1281C

	Drawi...	Drawing co...	Effect date	Actual DC
▶	00001	PN1281C	1/19/2006	
	00002	PN1281C	6/2/2006	
◀	00003	PN1281C	6/13/2006	

#### Weight

Box weight:

7.91

Gross weight:

32.70

Item weight:

6.20

#### Picture



#### Cushion Size

	Length:	Width:	Height:
Cushion	0.00	0.00	0.00
Pillow	0.00	0.00	0.00

#### Price

TP:	24.91 USD	10/27/2006
3-Price:	28.50 USD	3M Price: 29.83
PTP:	22.34 USD	7/1/2007

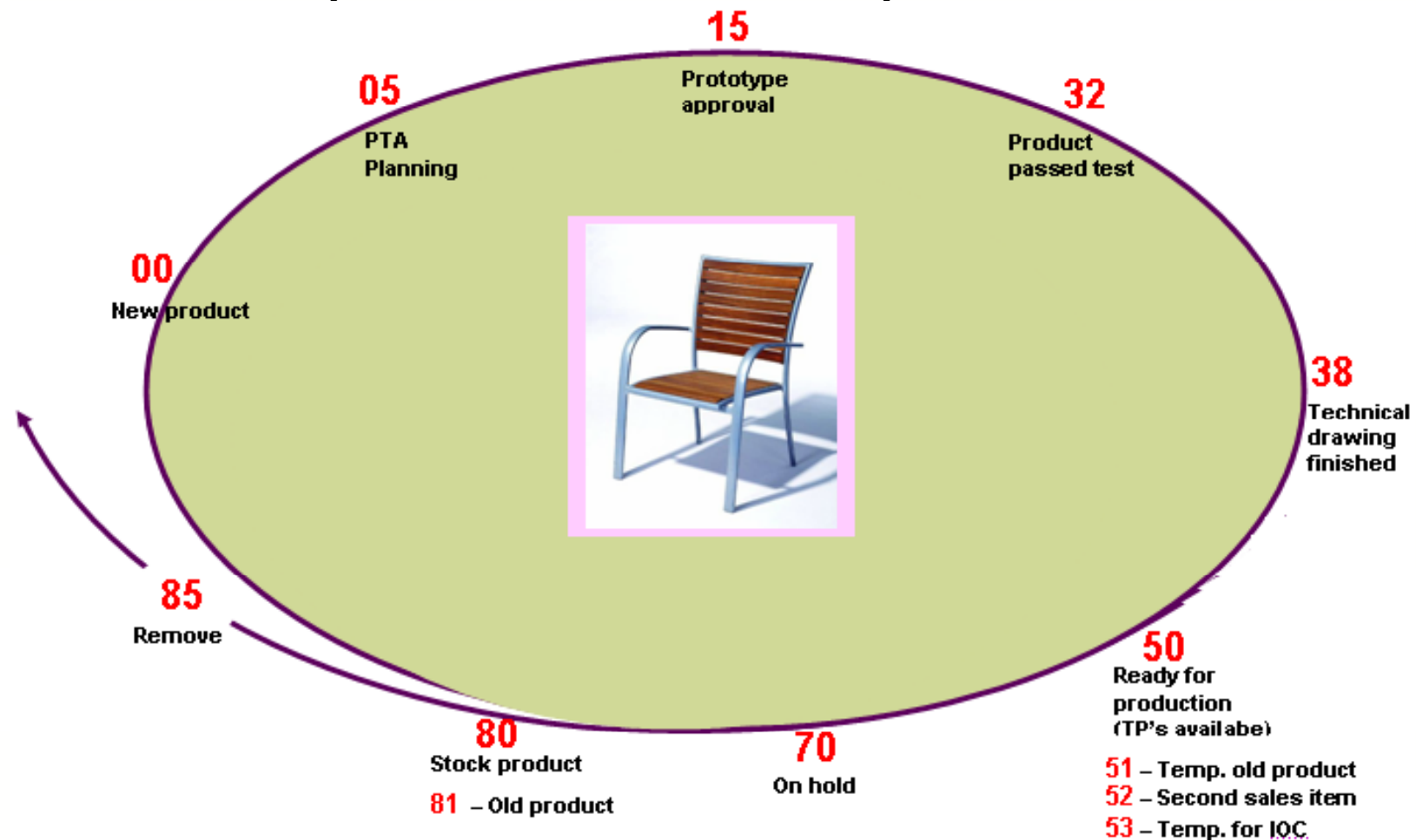
#### Carton Dim

	Acco...	Account Selection	Pcs/Box	Pcs/P...	Package/Set	Packin...	Packaging Type	Carton L(cm)	Carton W(cm)	Carton L
▶	All		4	0	0.00	First	Standard	75.50	59.50	1
	All		4	0	0.00	First	Standard	75.50	59.50	1
	All		4	0	0.00	First	Standard	75.50	59.50	1

# Product Management – Status code

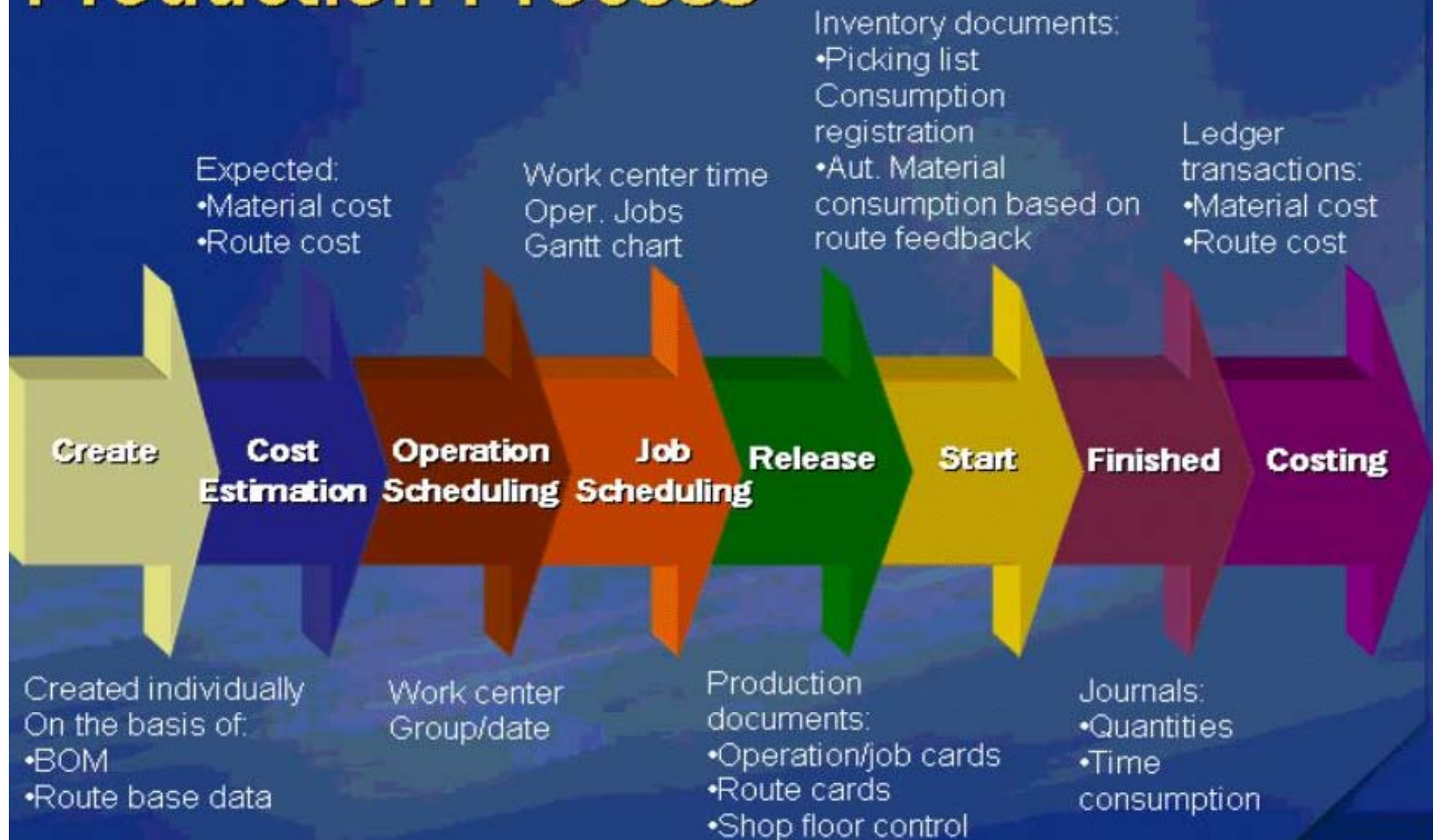


- Control & limit items list
- Visual drawing versions' status during their lifetime





## Production Process





# Multi Level BOM



Microsoft Business Solutions-Axapta - ScanCom Vietnam Ltd. [navisionvn: VNSTH033 - navision2] - [BOM designer - Item number: 1039910166, Lyn...

File Edit Tools Command Windows Help

Designer Setup

29/11/2006

Current BOM: PN1281C-1039910166I,

Item number: 1039910166

- SAPN1281C-30000 / Lynx Carver Easy Chair, Alu Frame, Mag Pet / --
- PAPN1281C-STD01 / PA(1) for Lynx Carver Easy Chair (Packing 16pcs/pallet) / --
- SWN1281C\_FSC\_82000 / Component\_Lynx Carver easy chair, PAR FSC, PM209 / --
  - MR06-20-000012 / Mang co 0.017x500x450000mm, no stretch (Envelope) / --
  - MR04-04-000003 / Dau PM209 / --

Current route: R00003429, 1039910166C

Ope...	Priority	Name
70	Primary	Metal assembling & packing

Item number	Search name
MR06-01-070741	MR06-01-070741
MR06-01-145741	MR06-01-145741
MR06-01-147741	MR06-01-147741
MR06-01-222741	MR06-01-222741
MR06-01-312741	MR06-01-312741
MR07-11-00104833	HA-SCANCOM ROUN
MR07-11-00104916	DAZ, Gazelle stackabl
MR07-11-00104917	DAZ, ALU- PTN hangl
MR07-11-00104921	HA-Beaufort HW RU,E
MR07-11-00104936	HA-Beaufort HW TR
MR07-14-00102292	CA-Casgogne fold rou
MR07-14-00102498	CA-Lynx square sidet

Item number / Name / Sub-BOM

BOM designer USD scv usr pf 29/11/2006 10:11 am

start I... 2 A... M... O... M... 9... EN 10:11 AM

Finished Good incl. packing  
Coated Wood component set  
Packing set  
Coated Metal frame  
Uncoated Wood component set  
Uncoated Metal Frame  
Wood dry plank  
Alu profiles  
Hardware

# KPI for New Product Development



**NPD KPI**

General | Batch

Parameters

FromDate: 03/01/2009

ToDate: 07/31/2009

ItemGroup: 1020

TTP Discipline: ☒

3D lead time evaluation: ☒

3D on-time delivery report: ☒

Capacity Review: ☒

New Prototype Development Success Analysis: ☒

New Rendering Development Success Analysis: ☒

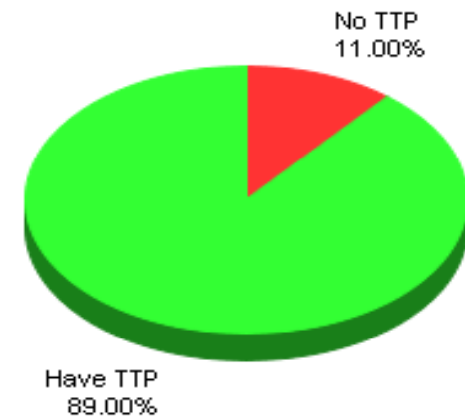
Collection Sold Analysis: ☒

TDrequest\_DrawingRelease: ☒

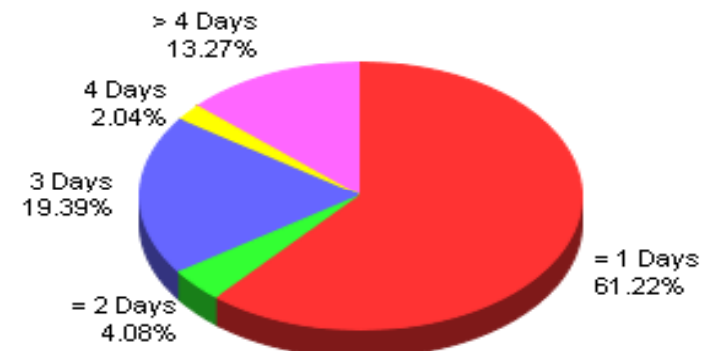
PTPDeliverySuccess: ☒

TTPversusPTPAccuray: ☒

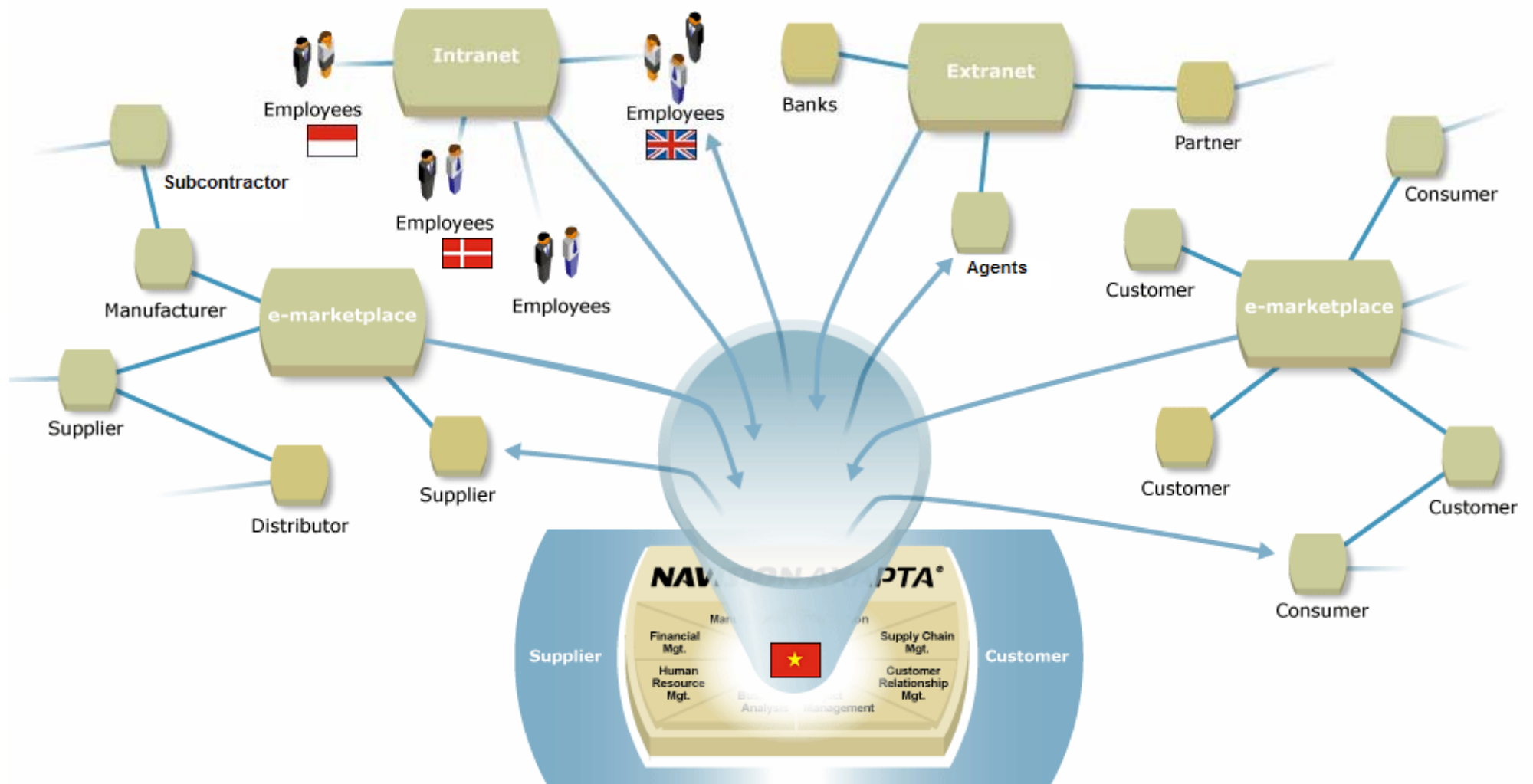
TTPDiscipline



leadtime3D



# Conclusion - Future Goal



# What is new in Ax 4.0 : Look and Feel\_ Integration



- Office
  - Copy and Paste to Excel
  - Document management
    - Word integration
    - Excel Integration
  - CRM
    - Outlook integration
  - Visio integration
    - Technical documentation
- Active Directory integration HRM / Security
- OLAP (SQL 2005 Analysis Services)
- SQL 2005 Reporting Services
- Application Integration Framework
  - InfoPath / Web-services Wizard
- RFID : MGB group already requested to apply this tech





# What is new in Ax 4.0 : Technical Overview

- **Business Intelligence**
  - **Integration with SQL 2005 Reporting services**
    - Using a Semantic Data Model (buidl in AOT)
  - **Native Reporting Engine Enhancements**
    - Print drill down
      - Primary Links
      - Secondary Links
  - **OLAP**
    - Enhanced security
- **Enterprise Portal Framework**
  - **Fully integrated with Sharepoint services**
    - Sharepoint Web authoring experience
    - Better personalisation
    - Integrated collaboration and content management
    - Integrated Document Management
    - Web framework opened up to existing portals
  - **Based on .Net Business Connector**