Pains and benefits

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- Pain
- Pain and vision distinction (difference)
- Searching for the pains depends on :
 - market segment
 - size of the company
 - ownership
 - position in SCM
 - position of the person

dormant (latent) pain: it exists, but it is not presumed



Example: collecting money late, paying to early ->crippled cash-flow

- real pain
 - a real pain (lack, deficiency, shortage), which are wittingly admitted by the customer

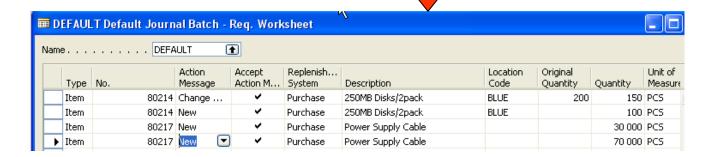
Examples: high value of the stock(inventory), due date performance is low, laborious and not exact calculation of production cost...





- vision
 - particular (tangible) idea of the pain killer

Example: use of a good algorithm for replenishment planning replenishment ...



We must produce 5 bicycles, so we need 5 seats (Gross Requirement). But we have in our stock 3 of them. And another department has to assembly another 2 bicycles and we do have issued Purchase order for 4 seats. Safety Stock supposed to be 2. So finally we need: 2 (Net |Requirement)= 5-3+2-4+2

Requisition worksheet

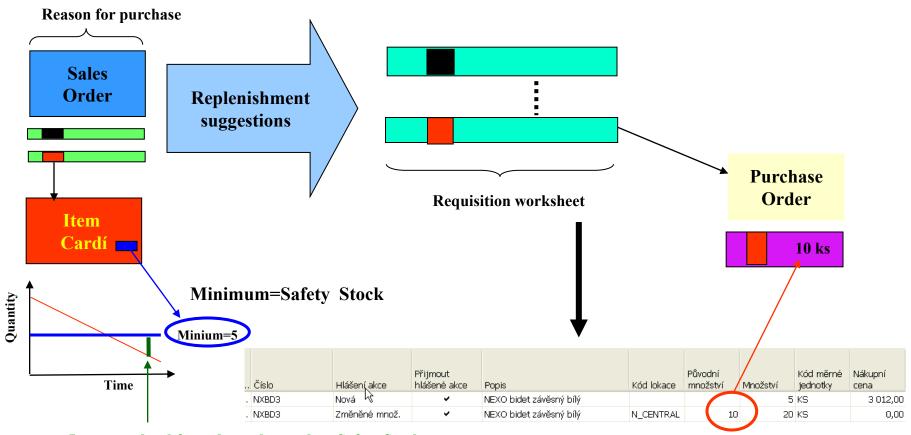
(tool for automatic replenishment suggestion)

Impacts of using RW tool

- Lower inventory level
- It balances supply and demand across locations
- Lower inventory and handling cost
- Higher liquidity
- Sufficient service level is maintained-Service level represents the expected probability of not hitting a stockout. This percentage is required to compute the Safety Stock. Intuitively, the service level represents a trade-off between the cost of inventory and the cost of stock-outs (which incur missed sales, lost opportunities and client frustration among others).

Purchase process

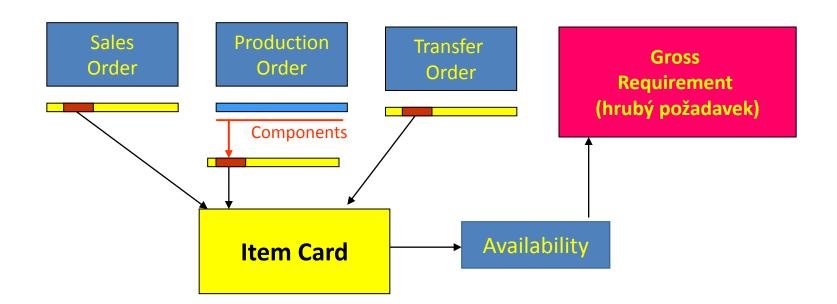
Net Requirement=Gross Requirement –Stock level – Purchase Orders + Sales Orders +Safety
 Stock



Inventory level for today at lower than Safety Stock

Stock Availability

- Reasons for reordering (replenishment)
 - Sales Order (CR)
 - Production Order
 - Transfer Order
 - Both of above



Creation of the pain chain

- General pain: difficult analysis reports from existing data
- **CEO view**: owners push me hard every week to supply results !!!!!
- Inventory manager: I cannot optimise manipulation movement !!!! Do it immediately !!!!!!
- IT manager: to get right data in right time I must transfer and modified a lot heterogeneous data in takes time and I am overloaded !!!

Creation of the vision

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	Reaso	osis	Leve	•	tension	Creation of	the vis	•	
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Check	The remanuf generato pur materi	that does no rement	Prob finar mana		?	What about y all the replen			on worksheet where ned automatically?
Confirmation	Late re production depart	ent form purchase	So C satis: redu level		so not	So the final s based on safe requirements	ty leve		e a use of netting roduction ock optimally
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Pains in the information processing

- Manual /batch processing
- BAR code reader
- Heterogeneous databases (a lot of different application from different suppliers and different technologies)
- Homogeneous databases, XML ports,...
- Uncertain and late presented information
- On-line data processing, automatic data integrity checking

Pains in the information processing

- Complicated way of system usage
- Standard commands for every application –unique user environment (see NAV shorthand (F3,F5,Ctrl-F5,...)
- Too much IT managers (high salary costs)
- Modern ERP requires less of standard IT guys and more IT guys understanding methods used to control enterprise processes

Pains in the financial management (accountancy)

- Late access to information, difficulties in finding the reason why any entry (transaction) was created
- Navigation functions, dimensions, Business Analytics, ...
- Comparing actual and expected data is a foolish dream only
- Budget functionality, On-line data....



Pains in the financial management (accountancy)

- Difficult analysis of the customer or vendor balances
- Flow field (calculated fields)
- OLAP (Business Intelligence tools)





Pains in the CRM, workflow and financial management (accounting)



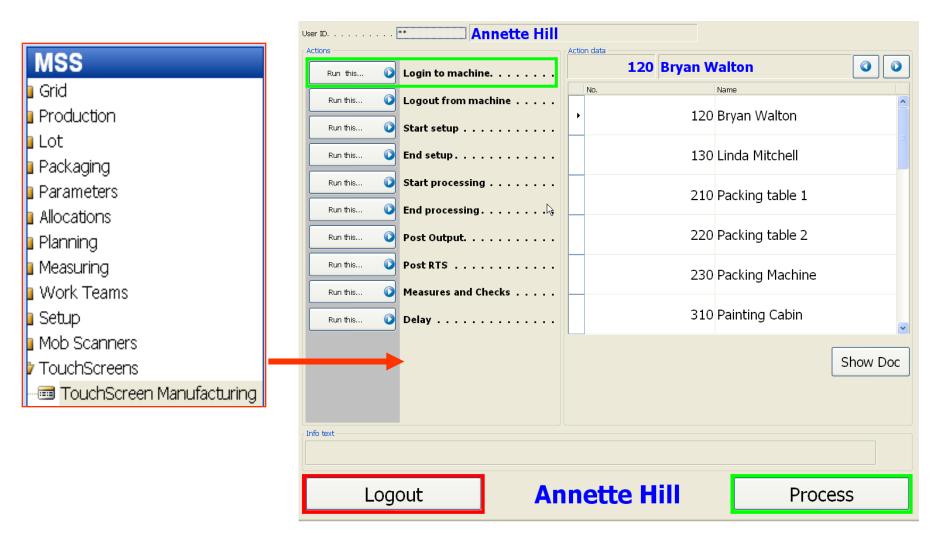
- Out-of-date information for salesman
- CRM directly connected of Sales, Purchase and Inventory
- Processes such are Sales, Inventory, Manufacturing, Purchase and Accounting are not connected
- All above mentioned processes are connected
- Rigidity of sales processes- not connected to business plans
- Tracking of the business opportunities, tasks and activities and follow up procedures
- Businnes plans a prognosis estimations are incorrect
- Boston matrix, Magic quadrant

Pains in the manufacturing processes

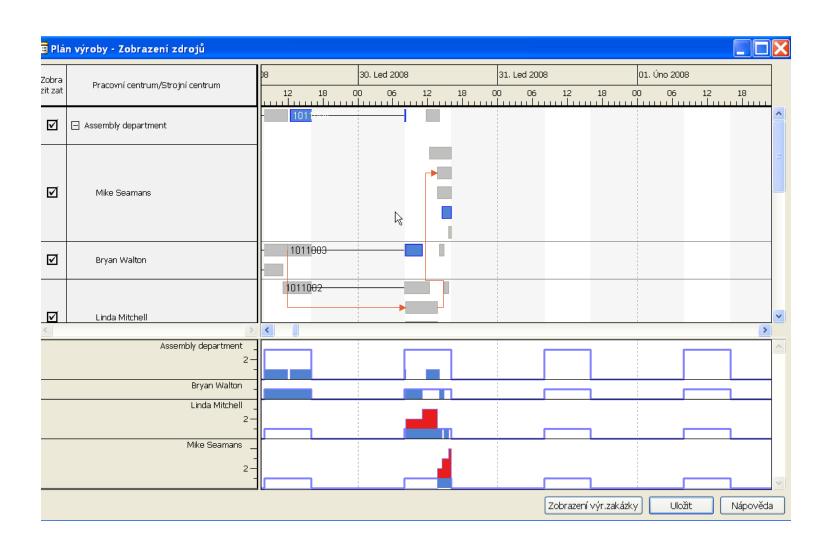
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- Difficult planning/ changes in production
- MPS (Master Production Schedule), MRP-II, JIT and direct link to sales and production orders for direct planning from sales orders (netting), manual MRP, automatic suggestion of replenishment and automatic issuing of purchase orders, DBR, CONWIP
- difficulties in subcontracting management
- Constrained capacities of resources in production
- Graphical planning tools, TOC application
- A lot of errors when entering data in shop-floor
- Use of Touch Screens

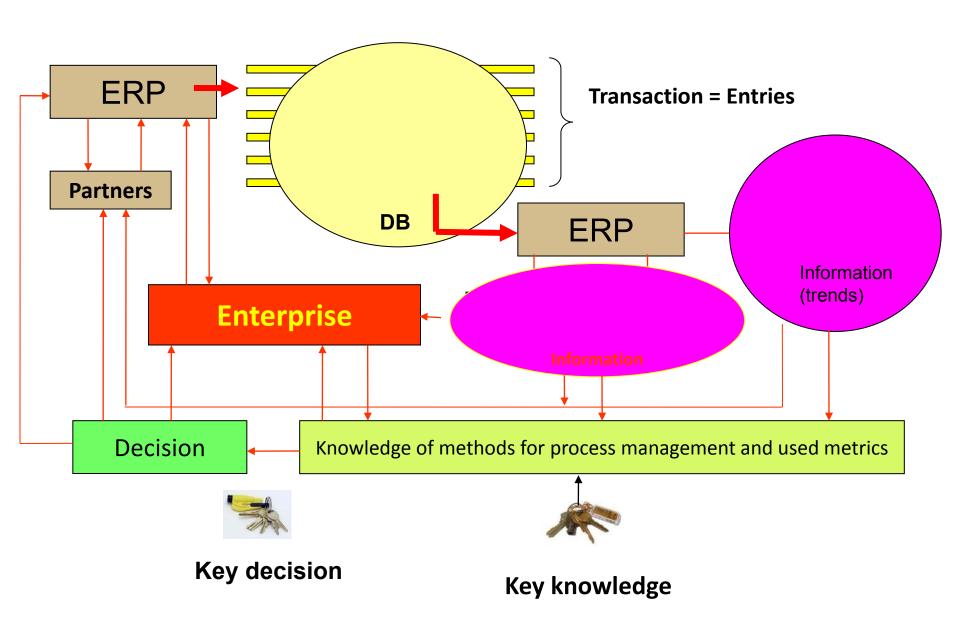
Touch Screen application



Graphical planning



Simplified diagram of ERP usage



Others

- Inter-company posting (more than one company in one database)
- Business Notification
- Responsibility centres
- OLAP + Business Analytics

Thanks a lot for your attention

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