Improving Global Supply Chain Management

IPRO306: Mid-Term Review

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IPRO 306:
• student-led group
• consultancy work
• customer: Sloan Valve Company
• 2 projects: PPM and WMS
• 2 sub-teams
• meeting weekly: info sharing, brainstorming
PPM Project (Preventative/Predictive Maintenance)

Customer's headache
• Records give limited history of equipment
• Current process logs only REACTIVE repairs
• No controlled inventory of “spare parts”
• No PRE-PLANNED schedule of maintenance
• No organized PPM program

Project goals
• a list of PM operations required per machine
• Assist in creation of CURRENT and FUTURE process map for a world-class Preventative/Predictive Maintenance Program.
• SAP-downloadable format files for the above
PPM Project (Preventative/Predictive Maintenance)

Progress toward goals
• set up preliminary PM sheets for a few machines
• identified need for daily PM
• attaining pictures for the PM sheets

Major obstacles encountered
Attaining maintenance information on old machines

Future challenges
• Incorporating PM into SAP or some other electronic format
• Attaining maintenance information on old machines
• Working with Sloan maintenance crew to incorporate PM program
WMS Project (Warehouse Management System)

Customer's headache:
• products not easily identifiable in warehouse
• no formal procedures for storing items
• inventories are not stored by volume of transactions
WMS Project (Warehouse Management System)

Project goals
• implementing bar code automation processing
• formalizing the process for warehouse management
• writing the instructions for the new processes

Progress toward goals
• selected RF guns for bar code processing
• defined item storage location logic (two CS team member's computer programs helped a lot)
• initiated unit testing in SAP system
WMS Project (Warehouse Management System)

Major obstacles encountered:
• SAP training took longer than expected.

Future challenges:
• work delays due to SAP down time.
• workload peaks in SAP testing task
• possibly extra effort in writing instructions

Thanks! & Questions?