

Microsoft

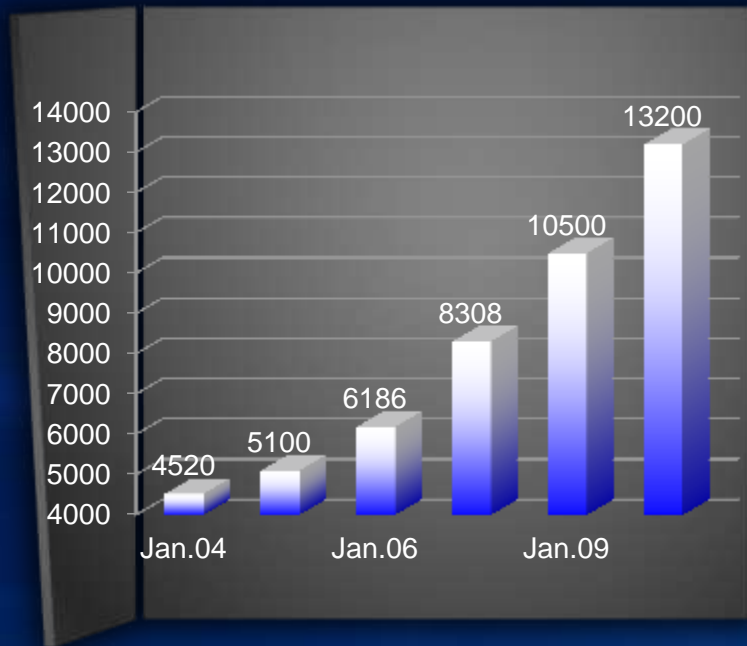
Theme Day: MES Market Survey

11.5.2011



Microsoft Dynamics AX

Microsoft Dynamics AX
Asiakasmäärän kasvu



Microsoft Dynamics AX
Kattava toiminnallisuus



- >13.000 asiakasta
- >500 000 lisensoitua käyttäjää
- 42 kieliversion tuki 36 maassa
- Useita tuotantotapoja samassa installaatioissa:
 - Kappaletavara-, Lean-, Prosessituotanto

Microsoft Dynamics AX

A Complete Manufacturing Solution

(BI) Business Analysis

Product Builder

Application Integration Framework (AIF)

Customer Relationship Management (CRM)

Engineering

Quality Management

Project Management

Lean Manufacturing

Planning and Forecasting

Enterprise (Sharepoint) Portals

Manufacturing & Distribution

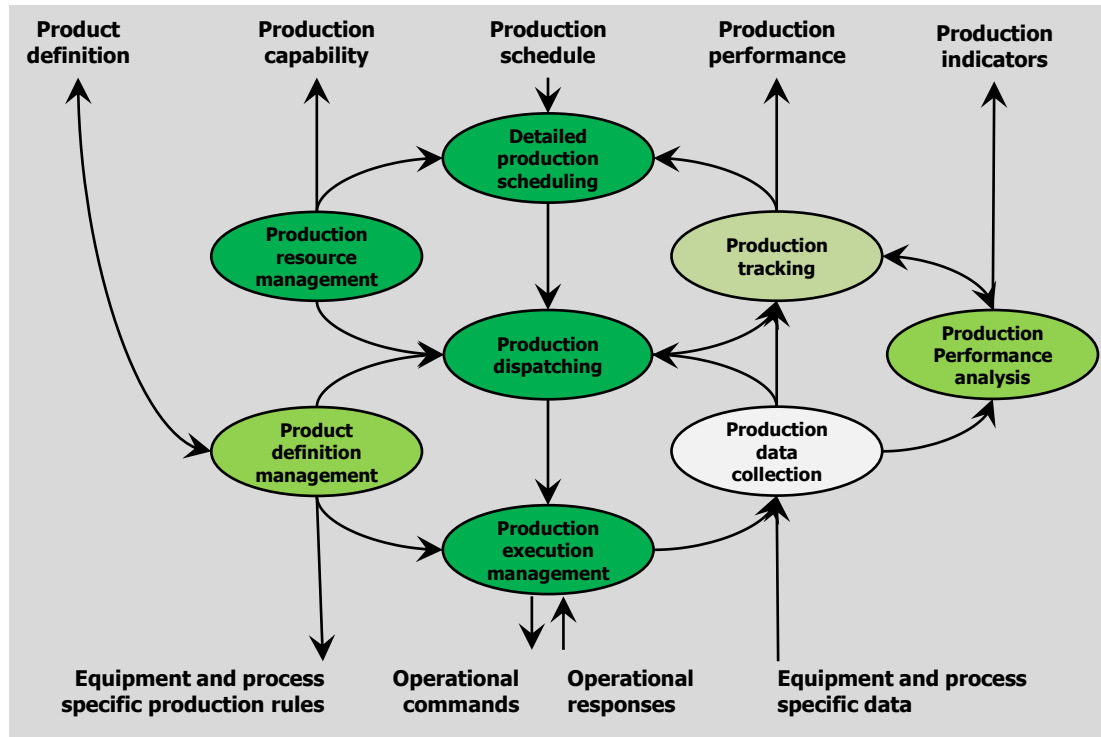
Supply Chain Management

Discrete & Process

Distributor Management / POS Matching

Dynamics AX

ISA95 Template (MES feature area level 3+4)

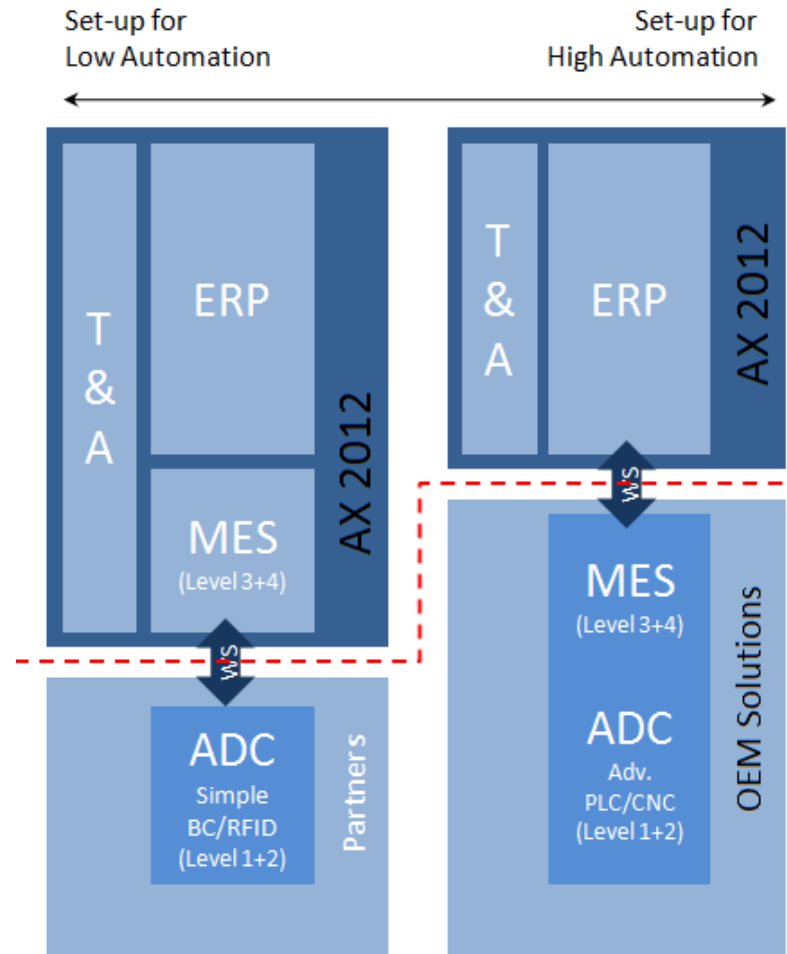


Dynamics AX & MES

Out-of-the-box

Interaction with the plant floor is between people.

Primary execution done by roles Lars and Shannon



OEM solution

Tight integration to PLC's CNC controls etc. and/or advanced MES features in general needed

Manufacturing execution pains

Shannon (Machine operator)



- Accessible information about
 - What to do
 - What my status is
- Easy and relevant system interaction

Lars (Shop supervisor)



- Spends too much time in the office
- Needs fast access to information
- Ability to quickly react to the situation

Dynamics AX & ISV MES Integration scenario



Microsoft Dynamics AX Business Mgt. Solution

- Items & Item Classes
- Bills of Materials (BOMs)
- Resources & Locations
- Operations
- Processes/Routings
- Production Orders
- Inventory Items & Levels
- Material & Order Costs
- Inspection Lot Data
- Labor Requirements



- Production Order Status
- Production Confirmations
- Material Consumptions
- Inspection Results
- Material Quality Status
- Labor Results
- Rework Activities
- Asset Status
- Inventory Movement



Wonderware Enterprise Integrator (WEI)



Wonderware MES

Microsoft Dynamics -ratkaisun edut

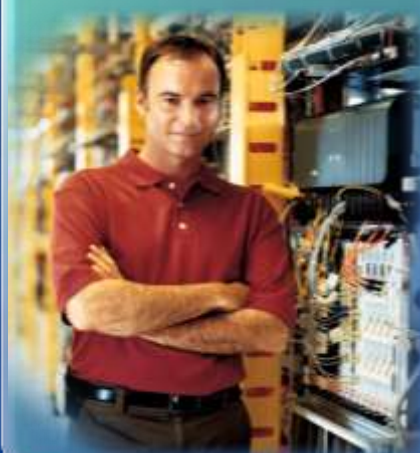
Tuttu ympäristö auttaa käyttäjää

- Roolipohjainen
- Office-keskeinen
- Helppo oppia
- Dynaaminen visualisointi



Sopii toiminta- ympäristöön

- Nopea käyttöönotto
- Muuttuu yrityksen mukana
- Nykyisten investointien hyödyntäminen
- Käytettävyys 24/7



Lisää toiminnan tuottavuutta

- Kattava toiminnallisuus
- Joustavuus
- Päivitysten vaivattomuus
- Liitettävyys



Antaa pohjan päättöksen teolle

- Moniulotteinen BI
- Tietojen tarkastelu oman valinnan mukaan
- Liiketoiminnan läpinäkyvyys



Innovate For The Long Term



FY10 R&D
investments

FY10: \$9.5B



SOURCE: 10K & 20K SEC Filings 12/31/08 Except Oracle 5/31/09, RIM, Sony and Nintendo 3/31/09

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