MES Scan for Engine assembly

Business Challenges
- A more efficient and effective plant information system within assembly, which will support:
  - pro-active process control
  - continuous process improvement
  - better process analysis capabilities

Our Solution
- A MES Scan and Package selection to assess the following:
  - Business requirements
  - Production process requirements
  - User requirements
  - IT requirements
  - A package selection based on these requirements

The Results
- Requirements study
- MES Architecture concept proposal
- MES Package shortlist
- Budgetary cost estimate and implementation planning
MES Scan for Engine parts manufacturing

Business Challenges
- Parts manufacturing of the Engine factory increases focus on:
  - Tracking & tracing
  - Process improvement though process data analysis (6 sigma)
  - Product data analysis
  - Overall Equipment Effectiveness (O.E.E.)

Our Solution
- MES solution outline & implementation planning providing:
  - Process data collection from Siemens 840D & S7
  - Process data visualization
  - Part tracking through bar code scanners
  - Real time O.E.E. visibility

The Results
- User Requirements Specification
- Architecture design
- Implementation roadmap
- Project budgeting

DAF Trucks N.V. is a 100% subsidiary of the American company PACCAR Inc. With the brands Peterbilt, Kenworth, DAF and Foden, and an annual production of more than 100,000 trucks, PACCAR is one of the world’s largest truck manufacturers. DAF Trucks focuses on the development, production, marketing, sale and service of medium-heavy and heavy trucks. This work is carried out by some 6,500 employees, the majority of whom are employed in the production companies in Eindhoven (NL) and Westerlo (B)
MES implementation for Engine assembly

**Business Challenges**
- Important manufacturing targets for the new MX engine were:
  - reducing assembly time
  - improve quality standards

**Our Solution**
- A Manufacturing Execution System that provides:
  - Product tracking and genealogy
  - Data collection / acquisition
  - Quality management
  - Performance Analysis

**The Results**
- Improvement of the production process control by better and more adequate information supply
- Production process control can be done more pro-active instead of reactive
- One standard package for implementing systems within the MES domain

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MES implementation for Axle and Cab assembly

Business Challenges
▶ Migrate existing legacy shop floor applications to new MES platform providing:
  ▶ Tracking & tracing
  ▶ Quality control
  ▶ Product cost accounting
  ▶ Detailed production scheduling
  ▶ Zero down-time migration required

Our Solution
▶ Implementation of customized Wonderware solution
  ▶ Full software development lifecycle (design, build, test, deploy)
  ▶ Combined project team of customer and Atos Origin resources

The Results
▶ User Requirements Specification
▶ Architecture design
▶ .Net custom software implementation
▶ Data migration and roll-out support

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