ACTEMIUM

↘ Answers
to improve
productivity

- ⊹ To reduce manufacturing costs
- ⊹ To shorten turnaround times
- ⊹ Increase quality

M.E.S.
Manufacturing Execution System

Solutions & Services for Industry

VINCI
ENERGIES

Questions from the General Management

66 Why doesn't the ERP system (Enterprise Resource Planning – integrated management software) meet all demands?

66 What is the daily and real-time production rate?

66 How can we produce more for less expense?

66 How much does this production cost?

66 How can we obtain accurate and reliable information?

↘ M.E.S. **brings** you:

- ⚡ centralised production data
- ⚡ coordination between production and ERP system
- ⚡ production monitoring indicators

TO MASTER:

- ⚡ materials cost prices
- ⚡ production capacities
- ⚡ production means (responsiveness)
- ⚡ energy savings
- ⚡ waste management

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Questions from the Production Manager

“ What skills do the operators have?

“ How should teams be organised?

“ Is each task allocated (who does what)?

“ Are deadlines respected?

“ What are the possible non-conformities?

⬊ M.E.S. **fulfill** your needs:

- ⊹ centralising production data
- ⊹ managing resources
- ⊹ reducing the number of entries and paperwork
- ⊹ putting indicators in place

TO ENSURE:

- ⊹ adequate allocation of skills
- ⊹ effective allocation of tasks
- ⊹ teams organisation
- ⊹ real time performance analysis
- ⊹ monitoring of performance indicators
- ⊹ hazard management (absences, low resources)
- ⊹ compliance with deadlines
- ⊹ material consumption management
- ⊹ a smooth manufacturing process

Needs from the Operator

- " What should I do now?
- " Why should I endlessly fill out work sheets?
- " Where are the documents that I need?
- " Are they up-to-date?
- " Have I reached today's objectives?
- " Do I have time to redo a non-conforming component?

↘ M.E.S. **allows** you:

- ⊹ to make production documents available
- ⊹ to have a system tailored to the job

IN ORDER TO:

- ⊹ avoid spending time 'rewriting'
- ⊹ see how the day's indicators are progressing in real time
- ⊹ react with all the necessary information in case of problem
- ⊹ permanently display updated tasks
- ⊹ follow concrete objectives in real time
- ⊹ reduce input time
- ⊹ better understand the production process
- ⊹ enhance your skills
- ⊹ take on more responsibilities

Objectives from the Maintenance Manager

66 What is the breakdown rate of each machine?

66 How can we avoid breakdowns?

66 Do we have spare parts?

66 When is the next production shutdown scheduled for?

66 Who will be available for call-outs?

↘ M.E.S. **ensures:**

- ⚡ the reporting of a breakdown or down times (by cause, by machine)
- ⚡ an immediate alert of non-conformities
- ⚡ the knowledge of the critical operation settings
- ⚡ the sending of production and maintenance schedules

SO AS TO:

- ⚡ manage and programme maintenance call outs
- ⚡ plan maintenance tasks
- ⚡ work closely with production
- ⚡ analyse malfunctions (journaling, classification, etc.)
- ⚡ monitor production indicators
- ⚡ understand breakdowns and shutdowns
- ⚡ improve the reliability of equipment
- ⚡ anticipate breakdowns and malfunctions
- ⚡ increase the availability of production tools

Since all **customers** ask the same questions

66 What is the status of my order?

66 What timeframe can you give me?

66 Can you justify this price?

66 Can you guarantee the source of your raw materials?

66 Are you in compliance with regulatory requirements?

66 Are you able to find faulty batches?

↘ M.E.S. **informs** you:

- about the actual progress of production
- about updated production schedules
- of the actual cost of products
- in order to guarantee the traceability of raw materials and products
- in order to comply with rigorous standards
- in order to have efficient talks with business management

AND PROVIDES:

- responsiveness where needed (modification, shutdowns, etc.)
- transparency regarding problems encountered and costs
- the brand image applied
- compliance with deadlines
- data in terms of traceability
- smooth interfacing with the ERP system (information system)

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Requests from the Sales Manager

66 What is the status of my order?

66 How can I inform the customer about any possible delays?

66 Is the data reliable?

66 What alternatives are on offer?

↘ M.E.S. reports:

- ⌁ on the actual progress of each order
- ⌁ on the updated production planning in real time
- ⌁ and enables everyone to share the same data in order to have efficient talks with business management

TO KNOW:

- ⌁ the real time value of stock: quantity, location (update of the ERP)
- ⌁ the movement of materials between the shops and the workshops
- ⌁ the level of quality at all stages of production
- ⌁ the possibility of just-in-time ordering
- ⌁ the level of outstanding stock (optimisation) and prevention of breakdowns

Requirements
from the Quality Manager

❝ Are the customer's specifications met?

❝ How can the quality rate be improved?

❝ How to reduce waste?

❝ Are all procedures adhered to?

❝ Are regulatory measures respected?

↘ M.E.S. **allows** you:

- to analyse malfunctions
- to help draw up processes and monitor their use in real time
- to work closely with maintenance

COMPLYING WITH:

- client specifications
- regulations
- requirements in terms of traceability
- optimisation of quality process
- certification labels
- waste production restrictions