



MANUFACTURING EXECUTION SYSTEM

Success throughout the process

An MES is the process-oriented operating level of a multi-level production management system. The MES manages the Master Batch Record and is utilizing electronic execution (EBR), which is used to ensure compliant manufacturing in an integrated manner. This includes data acquisition from various levels of the plant, relevant parameters from e.g. the machines, other interfaced systems, or the personnel. It also connects to other processes that enable real-time management, guidance, control or monitoring of production. To optimally design these processes and meet productivity, quality and compliance goals, it is essential to use an MES.

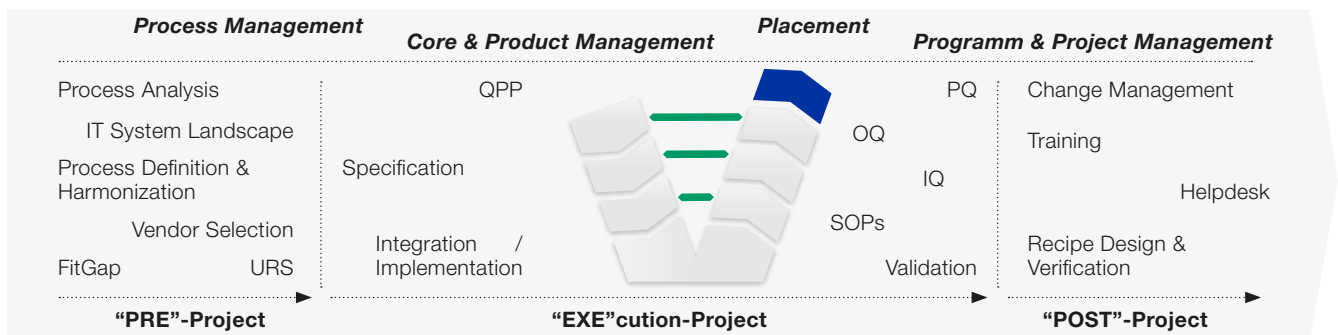
COMMON CHALLENGES IN MES PROJECTS

- Insufficient experience with system integration
- No clear IT strategy
- No clearly defined production processes
- Misalignment of corporate goals and compliance requirements
- Undefined or no "smart" Requirements
- Incorrect selection of MES and/or implementation partner
- Lack of PM capabilities (unrealistic budget or time schedules, inadequate stakeholder management among other things)
- Insufficient training and coaching skills and therefore operator resistance

These issues clearly demonstrate that customers benefit from the support of skilled and competent experts. Ultimately, the right MES implementation partner is key.

HOW SYSTEC & SERVICES WILL HELP YOU

- Competent MES consultants
- More than 20 years of experience
- Conception of your strategic IT system landscape according to ISA-95
- MES process management and harmonization
- Requirements analysis
- Software / Vendor evaluation and selection
- MES recipe design
- System integration
- Project and validation services (project management, creation and update of work instructions, coaching and training, helpdesk, change management, etc.)



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