Production IT solutions: InFrame Synapse MES

Modern SOA and web service based, modular framework for Manufacturing Execution System (MES)

acp-IT uses its expertise to build up a software platform for developing and integrating IT applications into the production environment. A modern SOA and a web service based, modular framework build the InFrame Synapse MES. The usage of proven web technologies guarantee good reliability and scalability. An integrated workflow engine enables acp-IT to reduce the project implementation time and cost and helps to perfectly adapt to the customer's needs.
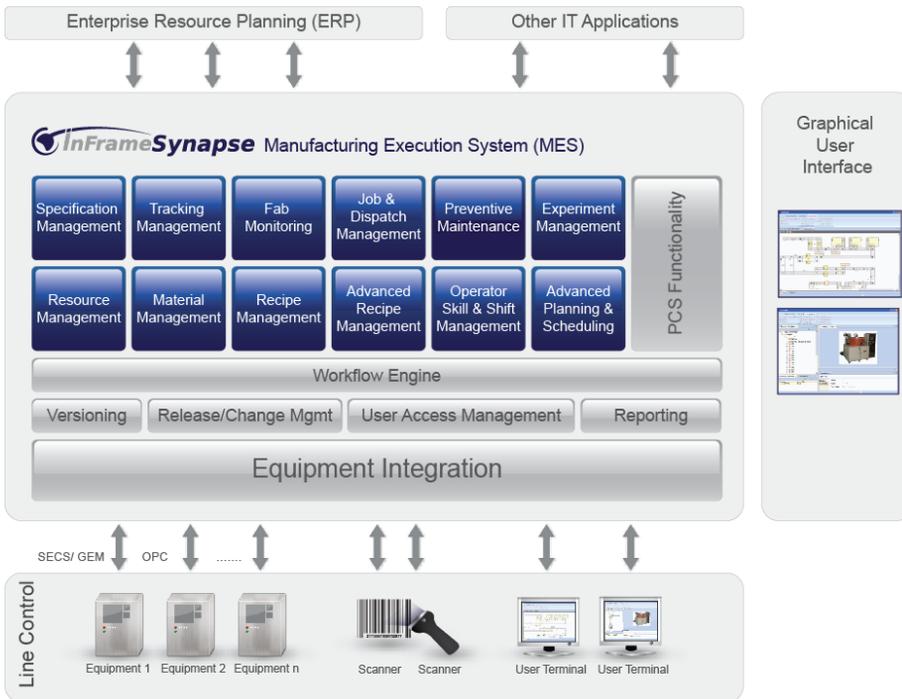
Flexibility

A modular architecture allows acp-IT to customize the MES exactly to the customer's needs.
The integrated workflow engine is used to customize components and implement functionality based on customer's business procedures.

Extensibility

Web services are used to connect the InFrame Synapse MES to the user interface as well as to third party applications. This allows the easy integration into existing ERP solutions.

InFrame Synapse MES for monitoring and control of complex manufacturing sites

The tracking and tracing capabilities of InFrame Synapse MES are accompanied by a Statistical Process Control (SPC) module which allows fast and reliable monitoring of processes and equipments. Advanced process control can be set up within the same module to enable run to run and other advanced control methods.

With the InFrame Synapse MES software platform, acp-IT can develop high-quality customized applications within short time, because the application development is based on standard web technology.
Furthermore, the software platform can just as easily be used for system integration of different IT applications and for connecting assembly equipment to higher level IT systems.

Who we are

With our locations in Stuttgart, Dresden, Villach (Austria) and Timisoara (Romania) we offer professional IT products and services for planning and operation of high-tech manufacturing facilities.

What we do

High-specific skills in industrial engineering, shop floor control and IT know-how are applied to the demands of the semiconductor and photovoltaic market as well as in the field of optoelectronics and electronics.

FEATURES

InFrame Synapse MES

- Integrated workflow engine to adapt to different business processes
- Change and release management for all specification data objects
- Equipment integration built upon user definable workflows
- Powerful specification management to support all kind of production needs
- Service oriented architecture (SOA) to enable fast integration of other components

OUR SERVICES

- Implementation of the InFrame Synapse MES for monitoring and control of complex manufacturing sites
- Reliable know-how in analyzing, sizing and optimizing production areas as well as the transformation into the digital factory world
- Conception, development and implementation of customer-specific software solutions for automation and equipment integration
- IT consulting for software architectures, design and quality assurance and SEMI standardization

CONTACT

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