

## fiwa iMesCC RM - Recipe Management

- ▶ Process parameterization for recipes - in the field of research and development
- ▶ Integrated recipe editor with graphical user interface – for simple intuitional authoring and modifying of basic recipes
- ▶ Integrated version management
- ▶ Fulfills the demand for traceability

## fiwa iMesCC SDM - Interfaces to other systems (Data integration services DIS) / Integration of third parties

Bidirectional synchronization

- ▶ with ERP systems (B2MML, iDoc, XML, RFC)
- ▶ with the automation level (OPC, Batch-API)
- ▶ with warehouse management systems

## fiwa iMesCC SDM - Master data management

Acquisition, representation and updating of masterdata, e.g. features, equipment, materials, places, means of transportation, users

## fiwa iMesCC HMI - Human Machine Interface

- ▶ Process control effected by an operator
- ▶ Information about current operating condition
- ▶ Mobile data collection via pocket PC



## fiwa iMesCC Maintenance

Maintenance package covering

- ▶ maintenance planning
- ▶ maintenance commissions
- ▶ spare parts management
- ▶ preventive maintenance



## fiwa iMesCC integrated MES Control Center

The intelligent software solution created to meet your production management requirements automatically.

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**PASSION**  
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**PASSION**

## fiwa iMesCC

- ▶ fiwa iMesCC is a software solution in modular structure,
- ▶ designed to provide a transparent image of a production site and its processes,
- ▶ linking - combined with vertical integration – the automation level to the ERP level,
- ▶ not producing any running costs.

## fiwa iMesCC modules:

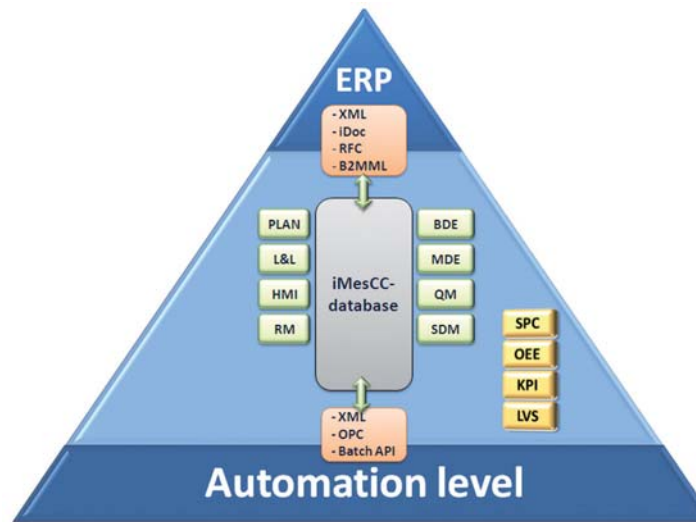
### fiwa iMesCC L&L - Inventory and Logistics

- ▶ Material flow and warehouse operations management
- ▶ Detailed inventory control of material and stocks with batch traceability
- ▶ Permanent inventory

Transportmittel	Gruppe	TYME Status	Gewicht	Geplant	Material	Status (Funk)	Einheit	Ort	System
Target 2	Target	frei	300,000	kg	Wahl	Bestell		Rohstofflager	AV
Target 6	Target	frei	250,000	kg	Wahl	Bestell		Rohstofflager	AV
Target 5	Target	frei	250,000	kg	Wahl	Bestell		Rohstofflager	AV
Target 8	Target	frei	250,000	kg	Wahl	Bestell		Rohstofflager	AV
Target 4	Target	frei	250,000	kg	Wahl	Bestell		Rohstofflager	AV
Transportauftrag					Gelb	Bestell		Rohstofflager	AV

## fiwa iMesCC PLAN - Production order management

- ▶ Optimized planning of production orders considering recipes and resources
- ▶ Defines type and application of the appropriate means of transportation to be used
- ▶ Complete traceability, from the final product back to the raw material and vice versa (tracking & tracing)



## fiwa iMesCC MDE - Machine data logging

- ▶ Acquisition of equipment parameters (via OPC, XML, Batch-API)
- ▶ Acquisition of machine data created during the process
- ▶ Data deriving from the MDE serve as a basis for
  - SPC (Statistical Process Control)
  - OEE (Overall Equipment Effectiveness)
  - KPI (Key Performance Indicator)

## fiwa iMesCC QM - Quality Management

- ▶ Definition of inspection lots – to perform checkups according to each QM feature
- ▶ Sampling and sample analysis
- ▶ Release / Blockage of batches, materials, means of transportation

## fiwa iMesCC BDE - Factory Data Acquisition

- ▶ Fast and safe acquisition of process and production-related actual data
- ▶ Charging of production data in realtime
- ▶ Acquisition of operational and alert messages and failure reports
- ▶ Archiving and evaluation of process and production data

