



EMC.ShopfloorCommunication

Exchange information quickly and efficiently

EMC.ShopfloorCommunication bundles two smart features that make it easy to **exchange information directly on the shopfloor** without having to leave the respective workstation. The **EMC.Chat module** simplifies work processes in digital exchange in the long term. This means that **important decisions can be made directly at the machine terminal on the shopfloor**. The **EMC. Message module** provides **information on malfunctions and machine downtimes via SMS or email**, thus supporting unmanned operation.

Module EMC.Chat

Easily exchange information on the shopfloor



The integration of the **module EMC.Chat facilitates communication and coordination** between those involved in the process. Without having to leave the workplace, **decisions made, important information or even last-minute changes** can be communicated quickly and provide an **enormous time advantage**.

TerminalUnitPunching 13.04. 12:03:10
What material should be used?



Group name	
Storage	
Production	
QA	

After selecting the **user group**, the employee has the option of selecting a **predefined message or their own message** using the touch keypad.

Communicate fast and efficiently via chat

For example, if **quality assurance approval** is required, this can be sent directly to the terminal via the portal. Or if the fitter wants to **ask the master about the material batch**, he can simply chat via the terminal without leaving his workstation. The same applies to **informing the warehouse that new containers are required**.

The **reply** is sent directly to the employee via the chat. **All users in the group** are also informed.



Module *EMC.Message*

Receive disruptions by email or SMS at any time



The **EMC.Message module** supports unmanned operation in the event of machine malfunctions by **alerting the operator** when the machine is no longer producing. Depending on the fault message, the operator can initiate the necessary measures at short notice. **Downtime information from any number of machines** can be transmitted as an email or SMS.

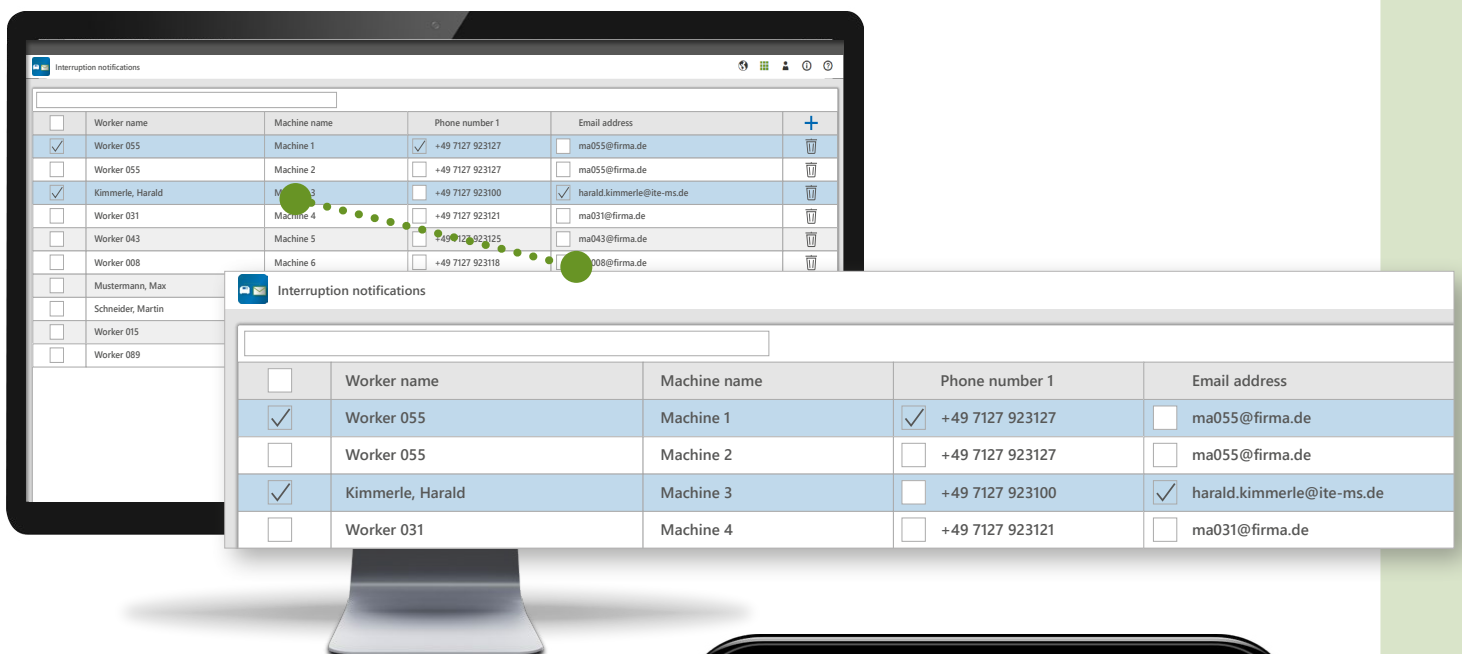
The operator then automatically receives an **SMS or email directly from the system** in the event of a fault. **No additional installation work or additional hardware is required** for transmission. The **EMC.Message module** uses an Internet service from the Esendex platform for this purpose.



Free configuration of standstill information and message destinations

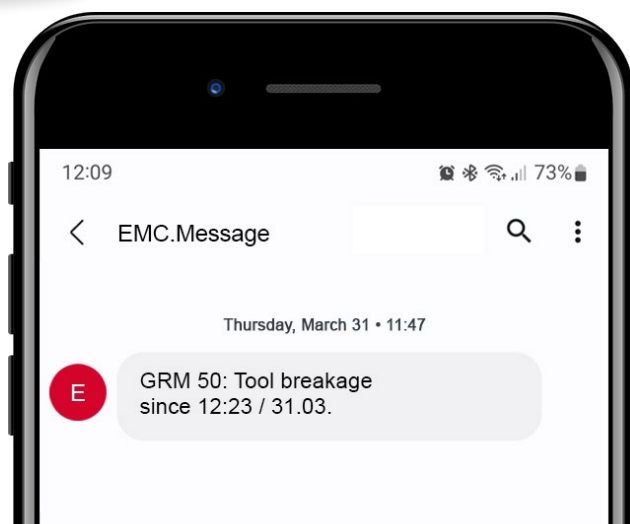
Operators can easily **activate or deactivate email or SMS monitoring**. At the **start of unmanned production** of a machine **or before the weekend**, the operator sets the machine to the **active state**. The machine is monitored until it is deactivated again.

If the machine is **activated in the message service**, the **reason for the interruption and the time information are sent to the operator**. The operator **not only has the information „Machine stopped“, but also knows the reason for the stoppage**.



The SMS has the following format:

<machine name>:
 <interruption reason> since <time / date>

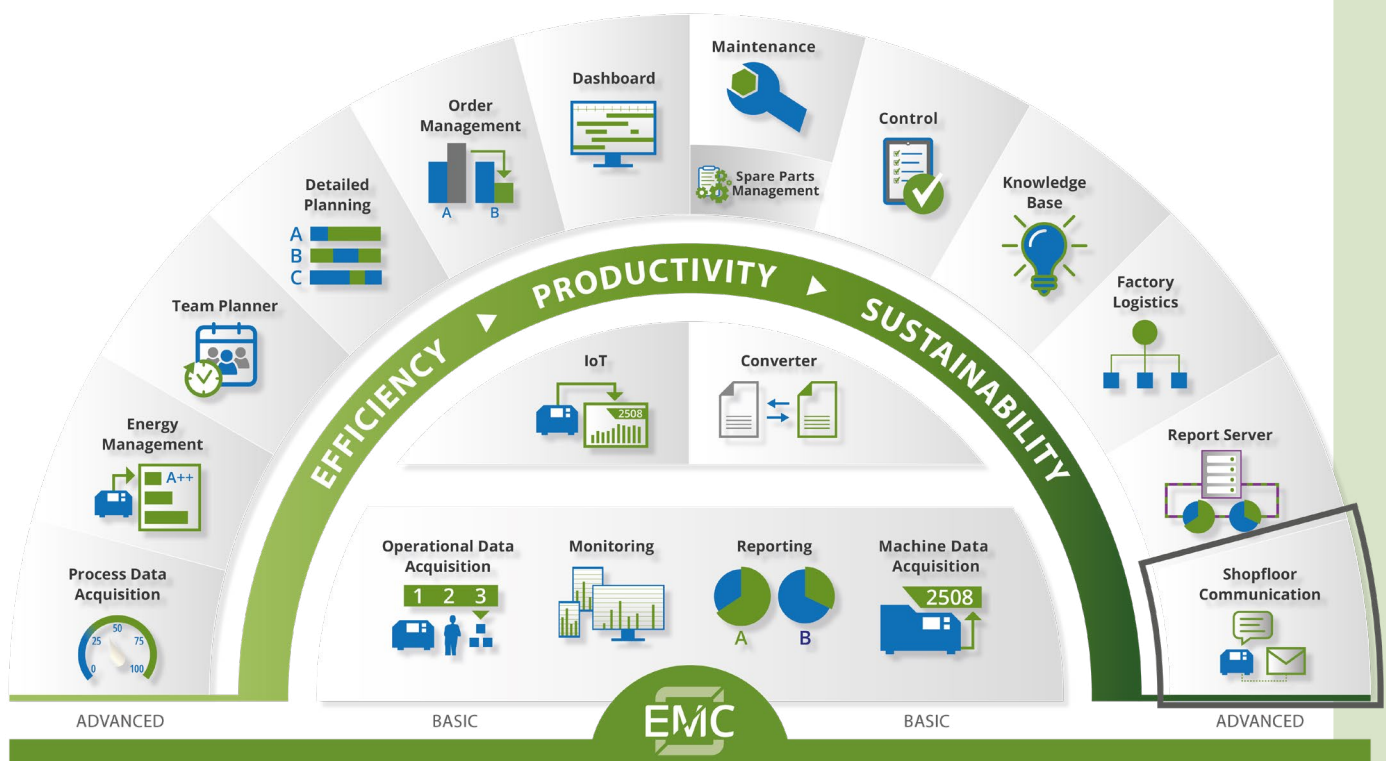


MES Software EMC

The solution for your smart networked manufacturing

Our user-friendly MES Software EMC controls all digital processes on the shopfloor **from planning, implementation, maintenance to traceability, shipping, production orders and a sustainable evaluation.**

It adapts completely to your needs, integrates into your existing IT landscape and brings together the data streams from ERP and the shopfloor.



The **modular architecture** of the MES Software EMC offers you the important **freedom and flexibility** in the implementation of your future-oriented production. Together with the **central MES database**, it is the basis for a **customer-oriented implementation - step-by-step or holistically - individual modules or as a complete system.**

No matter which solution you choose, with EMC you are always one step ahead and have the **best possible transparency** in production. All with the aim of **increasing your efficiency.**



iT Engineering Manufacturing Solutions GmbH is your provider of a well-developed Manufacturing Execution System in production management.

As an IT and MES expert in the metal forming industry and thanks to our large network of partners and memberships in associations (including VDFI and netzwerkdraht e.V.), as well as the best contacts with machine manufacturers, we know exactly how to obtain the important data and how to use it to digitalize processes and thus increase efficiency and productivity in manufacturing.

Our MES Software EMC acts as a central information hub and, by integrating the production data, ensures integration of production data for transparent production processes, flexibility and cost efficiency.

With a high level of technical and industry competence as well as many years of experience and expertise, we accompany you personally and step by step in transforming your production into a digital factory.

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