



Manufacturing Execution System Powered by SAP MII

Visibility from shop floor to executive office

In the manufacturing industry, maintaining a competitive edge requires meeting new challenges head on. Manufacturing plants and teams are often scattered around the world, often using different, and sometimes legacy, software systems to manage workflow. This situation makes it difficult to track data, or provide accurate information and analytics across plant sites and work-in-progress. This lack of information can easily result in inconsistent processes and delayed delivery schedules. Successful, competitive companies use tools that provide visibility into data and processes from the shop floor to the executive office.

Fast execution means less risk and lower costs

Ciber's Manufacturing Execution System (MES) powered by SAP's Manufacturing Integration and Intelligence (MI) application, provides clarity for production, warehouse and maintenance personnel with less risk and lower costs than a traditional implementation. The solution is focused on continuous improvement, integration of plant applications, real-time analytics, and planning & scheduling, with functions that include:

- Dispatching
- Shop floor execution

- Enhanced tracking and traceability
- Reporting and analysis

While traditional implementations can take months, the deployment time with Ciber harnesses the power of the proven SAP MII solution faster with the use of built-in connectors and accelerators.

Prepare for the changes ahead

Every manufacturing company has its unique challenges. Custom solutions are expensive. Customized implementations

are not. The Ciber MES solution addresses the unique challenges of your business, while leveraging SAP tools within the SAP ecosystem.

- Scale to size of plant
- Customize for complex or simple processes and variations between plants
- Integrate with various existing applications and systems
- Customize to business focus/metrics

All SAP solutions work together to ensure compliance in processes and to consistently meet customer requirements.

Instant data for dynamic conditions

When the environment or situation, changes, an intuitive dashboard helps management react quickly with real-time access to manufacturing data. The increased insight into work-in-progress inventory, personnel activity, and machine status makes it easy to sync internal production operations with customer demand. When there is a change in product, delivery date or quality, this software can help adjust the manufacturing schedule to find an optimal allocation of resources.

Connect your infrastructure

The underlying SAP MII platform is powered by SAP NetWeaver, which enables your organization to reduce IT complexity and obtain more business value from its infrastructure investments. Prebuilt connectors help you minimize initial costs, complexity, and TCO when consolidating information from many different sources, giving the data needed to optimally manage operations.

Local plant benefits enhance rate of adoption

The specific benefits for separate, local plants are key for successful adoption:

- It can run independent of the SAP ECC application, ensuring that manufacturing operations can run 24/7,

independent of any outages that may happen. This local survivability gives operators a sense of security.

- By moving operations online, local plants can reduce or eliminate of paper-based work orders and tracking. This can reduce mistakes and lost paperwork, effectively speeding up responsiveness and speed of dispatching to the shop floor and reporting production information from the shop floor
- The streamlined user interface helps to simplify operator daily functions, and can be programmed in the several different languages, ensuring ease of use for all operators.

Client processes drive solutions in manufacturing

While there is rarely a “cut and paste” solution in the manufacturing industry, at Ciber, we know what has worked with past clients. The solution lies in understanding client processes and knowing what technology and software will help solve the challenge you are facing. Ciber’s MES solution leverages cross-industry and technology best practices and is easily customizable by our skilled system integrators. We have global experience with SAP and extensive manufacturing experience. This industry focused perspective and personalized advice on a manufacturing systems roadmap can help position your company with a competitive edge.

About Ciber, Inc.

Ciber is a global IT consulting company with about 6,500 consultants in North America, Europe and Asia/Pacific, and approximately \$1 billion in annual business. Ciber partners with organizations to develop technology strategies and solutions that deliver tangible business value. Founded in 1974, the company trades on the New York Stock Exchange (NYSE: CBR). For more information, visit www.ciber.com.