



Consulting Automation

CONSULTING FOR MANUFACTURING

In business, information is power. Statistical and process shop floor information has the potential to save manufacturers enormous amounts of money.

RTS Consulting believes that “Global Manufacturing Excellence” can only be achieved by having real time visibility from a complete perspective, from ERP to Manufacturing Operations to the Shop Floor. Due to our industry expertise, prebuilt templates, and shop floor experience we provide rapid ROI solution implementations that bind disparate automation systems, enterprise systems, processes, and people to enable **operational excellence initiatives**.



Our approach is very fluid and it continues to evolve with the introduction of new technologies :

- Ensure a good understanding of the requirements, goals, and objectives.
- Gain a broad assessment of manufacturing, IT, and business areas within your operations.
- Analyze across the enterprise, addressing support functions, IT management, skilled staff, and current application technologies.
- Identify possible solutions and compare them for an unbiased approach.
- Identify emerging technologies that are relevant.
- Identify benchmark areas and KPI's.
- Gather additional information from your staff, “Top floor to shop floor”.
- Utilize interviews, workshops, and monitoring of staff duties / processes and SOP's.
- Use results to develop an overview of the current environment.
- Build on the overview and results to identify ideal solutions that are specific to your company's situation / requirements.
- Draw up actionable and measurable recommendations used to illustrate how your manufacturing operations can move forward and realize the results outlined in our Value Solution Proposal.

Our solutions enable you to gain a competitive advantage in a global economy through the following methodologies:

<p>SAP Manufacturing Integration & Intelligence (MII)</p>	<p>A composite development framework which solves the disconnect between plant floor operations and the rest of the enterprise. It enables you to become an adaptive manufacturer, ensuring that all data that affects manufacturing is visible in real-time. With Integration (data connectivity and transformation) and Intelligence (user interface and manufacturing analytics), you can reliably produce to target, with cost reductions and quality improvements that are above industry average. You can link your enterprise processes and master data with manufacturing processes to run your business based on a single version of the truth. So you have the visibility, responsiveness, and performance you need to succeed. SAP MII delivers on the promise of MES and more.</p>
<p>Manufacturing Execution Systems (MES)</p>	<p>This is a pre-built application used to take corporate goals and turn them into specific actions at various levels, managing and optimizing production activities with the least amount of resources. It contains a wide number of useful solutions for managing orders, work instructions, routings, rework, documentation and quality.</p>

SAP MII

RTS Consulting is the 1st certified SAP-MII Service Partner in Canada.

Visibility into your company's Key Performance Indicators (KPI's) improves your decision-making ability, performance, and adds value to the bottom line of your manufacturing operations. SAP MII is a necessary tool for creating the "**Perfect Plant**".

RTS Consulting is a leader in providing solutions and connectivity from the shop floor to the business processes of your Enterprise Resource Planning (ERP) system. We provide synchronization of all of the shop floor data to **Monitor, Measure, Control and Improve** production processes. This connectivity, through **SAP-MII**, enables the integration of manufacturing business intelligence into your reporting systems and executive dashboards.

RTS Consulting has developed the following Manufacturing Execution Solutions & Services based on SAP MII:

- OEE (Overall Equipment Effectiveness)
- Downtime Tracking
- Production Genealogy
- Mobility for Manufacturing
- Energy Management Information System
- Optimized Material Movement via AGV's



Our focus around prebuilt MII Templates, considerably **reduces time** during the evaluation process, blueprinting, and development/build/testing cycle, **lowering the total cost of ownership** and **reducing implementation risk**.

MES

An MES is designed to track all manufacturing real-time information to improve efficiency and reduce production time.

Every department contains mountains of data, but without an integrated and process-oriented solution, this valuable information is often lost to the company as a whole or not used for real-time decision support.

RTS Consulting understands the plant floor and how to utilize its data to empower your business to operate more efficiently and effectively in terms of quality, process, lot tracking, regulatory compliance, and a wide range of other Key Performance Indicators (KPI's).

Areas of Expertise

Real Time Performance Monitoring and Reporting (OEE, KPI)
Production Planning and Scheduling
ERP and Process Control System Integration
Recipe & Batch Management
Advanced Process Control APC
Statistical Process Control SPC
Data Collection Event Monitoring
BRC Compliance
Life Sciences Validation

RTS MES Platforms Proficiency

Siemens Simatic IT
GE Proficy
Wonderware
Rockwell Factory Talk Production Center



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