

DIGITAL MANUFACTURING

**INTEGRATION
SERVICES**

Transform Your Factory with RedViking Digital
Manufacturing and Design Technology



734.259.7805



GLOBAL DEPLOYMENT

RedViking has the proven ability to globally deploy and support complex MES systems. This type of enterprise-wide implementation includes connecting and obtaining data from a large number of stations through the plant.



EXPERIENCED TEAM

RedViking's expert systems integrators have over 35 years of experience



DIFFERENT FRAMEWORKS

During our long history, RedViking has launched COTS systems, including Ignition and FactoryTalk, homegrown systems, as well as custom solutions, including our Argonaut® platform.



IN-HOUSE CONTROLS DESIGN

RedViking has the capability in-house to quickly design, procure, and build standardized elements of any system integration from operator stations to pick lights to power distribution and control systems.

EXPERTS AT COMPLEX MES SYSTEMS

RedViking's expert systems integrators have over 35 years of experience designing and implementing information management strategies for large and small enterprises all over the globe.



Our experienced team of engineers and technicians are dedicated to supporting your MES solution from conceptualization, design, build, and implementation all the way to post-launch support. This life cycle support can help manage your risk in moving toward Industry 4.0 by making the process faster and more efficient.

**CUSTOMER
SUCCESS STORY**

Error Proofing



Think Bigger. Think Better. Think Bolder.



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THE CHALLENGE

One of the world’s largest automotive manufacturers was looking for a way to improve quality by automating the build process. A system was created to interface to their scheduling system to track vehicles through the build process and instruct operators on what processes needed to be completed. The system logged the processes. Processes that did not complete as expected were logged and the vehicle was held for quality until the issue was resolved.

The customer’s manufacturing process included using many different types and brands of “smart tools”. These tools are typically isolated and unique, built with different controls and communication protocols.

Automotive manufacturing is a fast-paced, high-demand environment. Seconds of downtime may equal thousands of dollars in lost production. Manufacturing Execution Solutions must be integrated and maintained in ways that have zero impact on production.

Manufacturing Execution Solutions interact with many different personnel groups that each require unique data and functionality.

THE REDVIKING SOLUTION

- **A Global MES System** to achieve manufacturing excellence that can be rapidly scaled to meet customer production demands.
- **Tracking Technology** to identify vehicle positioning throughout the entire production process.
- An **Integrated Interface** to the customer’s existing scheduling system to generate data for every vehicle’s parts and build processes.
- A **User-Friendly Interface** for each station so operators can easily understand the requirements for each specific vehicle.
- **Configurable software for ISPC** (In Station Process Control) that monitors Operator tools to ensure build processes were completed.

THE BENEFITS

Significantly Reduced
Warranty Costs

Greater Uptime

Higher Product
Quality

Real time Production
Visibility

On-Time Delivery

Verification of Parts,
Tools & Processes

Improved FTT

Accurate Data for
Root Cause Analysis