

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**

Andon Case Study



Think Bigger. Think Better. Think Bolder.



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THE CHALLENGE

One of the world’s largest auto manufacturers was looking for a way to improve downtime by notifying managerial, maintenance, and other workers of quality or processing issues. An audio and visual system was implemented to interface each station on the assembly line to an Andon board and stack light. The current methodology relied on personnel to notify the appropriate parties of an issue over the radio and or cell phone.

The customer’s manufacturing process relied on a seamless flow of conveyors, tooling, part quality, and on-time delivery. If any one of these parts of the process failed the line would go down.

Alerting the appropriate party of an issue in real-time was the key to reducing downtime. Historical downtime recording was essential to help the plant understand where further actions were needed to help bolster equipment and processes.

THE REDVIKING SOLUTION

- **Operator call buttons** at each station for real-time communication of maintenance and quality issues.
- **Material call buttons** tied directly to the material handling fork drivers are located at each station for real-time communication of part shortages.
- **Stack Lights** at each station are tied into call buttons to visually notify workers of line issues.
- **Management Andon boards** are installed in each area for plant-wide communication.

THE BENEFITS

Higher Product Quality

Greater Uptime

Real-time Production Visibility

On-Time Delivery

Improved Response Time

Improved FTT

Accurate Data for Root Cause Analysis