

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

MES Repair Bay 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 track and improve vehicle repair timing. The issue with the repair bays is that when vehicles enter the repair bays they are considered "free effort" jobs that do not have pre-defined work instructions and associated timing to complete. The vehicles can sit in the bays for an extended period of time with no progress being made to repair and ship the vehicle and no accountability on the operators.

The customer's repair bays consisted of 13 different repair zones.

Drivers were not aware if there was an open repair bay for the vehicle as they drove it off of the line.

Management was unaware of how long vehicles were in repair areas without staging a supervisor to manually track.

Launch teams were unable to determine average repair times without keeping a dedicated individual in the bay timing each repair.

No visual management was in the area causing the repair area to become a bottleneck for the plant.

THE REDVIKING SOLUTION

- **Sensors**
Track product to a specific bay
- **HMI Display**
Display open bays
Track product time in bays
- **ANDON Board**
Add high visibility
Improved Product Handling
- **Data Collected to MES System**
Real-time results
Historical reporting

THE BENEFITS

Manpower
Reduction (\$100K+)

Reduced Product
Handling

Improved
FTT

Real time Production
Visibility

On-Time Delivery

Reduced Repair Bay &
Manufactured Overtime (\$)

Visibility > Improved
Throughput (\$)

Accurate Data for
Root Cause Analysis