

Precision and efficiency in wagon construction through OLP

HOW ICARUS DEVELOPED AN OFFLINE PROGRAMMING SOLUTION FOR MORE PRECISE WELDING

For a railcar production facility, the welding of large components needed to be made more precise and efficient. Key to this was the development of an offline programming solution that automatically generates executable programs for the machines – a process that previously required extensive manual adjustments.

Objective

- Development of a complete OLP solution
- Automated creation of welding programs
- Ensuring connectivity to the system

Proceed

- Using Process Simulate for OLP development
- Implementation of an app for automated path creation
- Focus on collision detection and machine priorities

Result

- Machine now fully OLP capable
- Automated programs and simulations
- Continuous connectivity to the system is guaranteed

“The solution is not only intuitive to use, but also quickly delivers programs for our customers’ large components.”

TECHNICAL PROJECT MANAGER

SD-RSD-009

👤 Timm Benkner

✉ timm.benkner@icarus-consult.de

🌐 www.icarus-consult.de

© ICARUS Consulting GmbH - Friedrich-Penseler-Strasse 10 - 21337 Lüneburg

**ICARUS**