

Optimized virtual commissioning through plug-in integration

HOW ICARUS IMPROVED DATA CONSISTENCY BETWEEN EPLAN AND PROCESS SIMULATE

An automobile manufacturer planned the virtual commissioning of its production facilities based on digital models. To successfully implement this, the data structures from the EPLAN electrical design system had to be compared with those from the Process Simulate 3D simulation environment and checked for consistency and accuracy. These structures are essential for automation and therefore had to be reliable and standardized.

Objective


- Automated testing of data structures from EPLAN in Process Simulate
- Validation of kinematic and Cartesian data
- Integration of the solution directly into the user's work environment

Proceed

- Development of a plugin within Process Simulate
- Implementation of validation routines for structures, kinematics and Cartesian
- Providing correction tools and generating reports

Result

- Accelerated structural testing from hours to minutes
- Improved data quality and efficiency
- Standardized data verification for suppliers
- Reduction of stress during use



"The plugin takes the hard work off our hands. Instead of spending hours manually checking structures, we now see at a glance what fits - and what doesn't. This saves time and stress."

PROJECT MANAGER FOR DIGITAL PRODUCTION PLANNING

SD-RSE-005

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