

Efficient optimization in Audi production thanks to digital commissioning

HOW ICARUS OPTIMIZED ROBOT PROGRAMMING AT AUDI WITH THE DOPX SYSTEM

At Audi in Neckarsulm, robot programs had to be optimized quickly and reliably within a complex production facility. The challenge lay in the simultaneous use of various application technologies and different robot manufacturers. This led to difficult and time-consuming adaptation and integration of the programs.

Objective

- Fast and safe optimization of robot programs
- Increasing efficiency through digital commissioning
- Establishment of a networked structure between production and planning

Proceed

- Use of the DopX programming system for plant-level programming
- Recording of existing systems and creation of digital simulation models
- Training of employees and setting up a server structure

Result

- Successful commissioning of the DopX system
- Significant increase in speed of program optimization
- Conducting daily quality audits
- Reduction of ramp-up times to a fraction

"The launch of the first new vehicle with DopX was outstanding. Our ramp-up time was only a fraction of what it used to be."

PLANT OPERATOR ON THE SHOP FLOOR

SD-RSE-004

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