

Precision meets performance in painting

HOW ICARUS DIGITALLY PERFECTED THE COMMISSIONING OF THE PAINT SHOP FOR LUXURY SUVs

A luxury car manufacturer intended to commission a newly constructed, fully automated paint shop for its SUV models. The high quality requirements of the premium segment and optimized cycle times posed particular challenges. Without in-house experience in paint finishing, the manufacturer sought reliable external expertise.

Objective

- Operational painting system with optimal cycle times
- Maximizing the number of painted bodies
- Quality assurance at luxury level

Proceed

- Creation of a digital twin of the painting line
- Feasibility studies and cycle time simulations in Siemens Process Simulate
- Coordination with plant engineers and robotics teams
- Offline programming and commissioning of all robots

Result

- Early error detection and smooth SOP
- Fast, collision-free commissioning
- Premium quality standard
- Long-term customer loyalty through intensive cooperation

"You know our facility better than we do!"

MANAGER PAINT LINE

AR-RS-003

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