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AdAM
Advanced Automation for Manufacturing

PROJECT

The AdAM project had two main goals: create a middleware for industrial control and automation systems that allows the integration of a range of services and functionalities to enable plug-and-produce in new and legacy system components and devices; and further improve, test and validate, in a production environment, the innovative system for quality inspection of joints obtained from laser brazing processes, firstly developed in Probing project.

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INTROSYS Global Control System Designers

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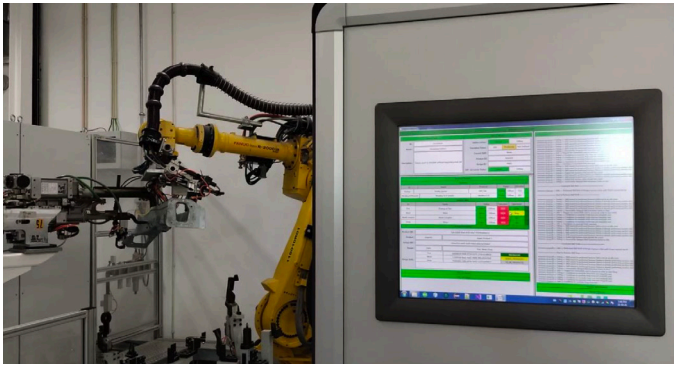
THE OBJECTIVES OF THE PROJECT WERE ACHIEVED, HIGHLIGHTING:

- Improvement of the probe device developed in the Probing project, by optimising the Eddy currents methodfor both low and high frequency, as well as creating an industral-ready enclosure;
- Development of a Middleware and a Manufacturing Execution System(MES) validated in different use cases;
- Development of a logical layer for cloud processing and data analysis using Machine Learning;
- Integration and validation of the AdAM system (Probe, Collaborative Robot and data analysis software) in a production line at Volkswagen Autoeuropa.



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