Introducing A²ECF 10

We are thrilled to announce the release of A²ECF framework 10.

Agileo Automation Equipment Controller Framework (A²ECF) is designed for the development of equipment controller software for production tools with robotics platforms by establishing communication with the MES and/or the PLM.

A²ECF framework is particularly adapted for the family of tools (systems) made of a single or multiple sub-systems (like robots, process modules, metrology modules, etc.). Depending on the diversity of the tool family, applications based on A²ECF can control different tool types from standalone tools to complex cluster tools.

For Agileo Automation's 10th Birthday, this new version is a major release that focuses on improving control and feedback on the process and increasing A²ECF architecture.

What's New in A²ECF 10?

Equipment centric – The Equipment Modeling Module is the backbone of the architecture and concentrates all activities and software development around the equipment and devices.

Large device interoperability – OPC interoperability allows connectivity with dozens of PLCs from all major vendors used to control the process. Communication is modular per device defined in the equipment model, with increased performance for equipment with a large number of devices.

Accurate UI previews – Customize the graphical template and directly get at runtime what is designed in Visual Studio.

No-code process control – Develop process recipes by configuring recipe steps without software programming skills. Execute those recipes on one to several devices for different use cases like accurate process control with in-situ metrology.

Process data Monitoring and visualization – Acquire, visualize and analyze process data and device data published within the equipment model by creating Data Collection Plans.

Example-based development – Agil'Controller is an open source application template based on A²ECF framework that gathers ready to use components in a complete application solution, which is customizable by software developers to reduce time-to market.

Contact us for further information or to schedule a demo of the new features at

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