



Press release

ekvip at automatica 2025: Customized PLC software solutions for mechanical engineering

Leipzig, March 2025 – ekvip, a specialist in customized automation solutions, presents its newly developed framework “cinnamon” at automatica 2025, as well as a comprehensive range of services in the field of software for mechanical engineering. With a focus on development, automation and after-sales service, ekvip offers its customers individual software solutions for the automation of their production systems, which sustainably increase efficiency and productivity.

In-house development: The “cinnamon” framework

With the open-source automation framework “cinnamon”, ekvip is breaking new ground in the development of PLC software for special-purpose mechanical engineering.

Currently, there is a lack of uniform standards in the industry, as control manufacturers rely on their own unrefined or monolithic solutions. These turn out to be too inflexible for various applications. In addition, proven software development methods from the IT are not used, which leads to inefficient processes, a high susceptibility to errors and poor maintainability.

With “cinnamon”, ekvip is developing an innovative framework that makes PLC software development more efficient. Thanks to its modular structure, it is highly flexible and uses the modern principles of object-oriented software development. It shortens development times, facilitates adjustments over the entire product life cycle and improves code quality through automated tests.

A key advantage of “cinnamon” is its hardware independence, which is ensured by various abstraction layers and enables flexible, future-proof development. The open-source approach expands the user base and promotes continuous improvement. Developers can freely use and actively develop the software. This reduces the dependency on proprietary solutions and at the same time promotes a collaborative culture of innovation.

ekvip is setting new standards in the automation software industry with “cinnamon” and offers an agile solution for the challenges of object-oriented PLC software development.

Product and service portfolio

Framework and library development: High-performance software solutions

ekvip develops modern software solutions that are specifically tailored to the requirements of automation technology. The focus is on:

- Development of individual applications in .NET / C# / TwinCAT / Siemens AX
- Cross-platform and high-performance software solutions
- Individual library and framework developments for stand-alone and interlinked systems
- Extensions for TwinCAT, Visual Studio and Visual Studio Code



With object-oriented programming and modern software architecture, ekvip brings proven principles of classical software development into the field of industrial automation, ensuring robust, maintenance-friendly and adaptable solutions.

Automation and PLC programming for maximum efficiency

ekvip automates interlinked production systems – from stand-alone machines and stations to sub-lines and complete manufacturing lines. The developers are familiar with the leading PLC systems and software environments, including:

- Beckhoff TwinCAT 3
- Siemens TIA Portal & SIMATIC AX
- CODESYS 3
- Bosch Nexeed
- Rockwell Automation Studio 5000 (Allen Bradley)

The experienced automation teams develop customized software solutions for the customer according to the IEC 61131-3 standard.

Service and after-sales: Worldwide support for your production lines

In addition to software development, ekvip offers comprehensive services for the electrical and mechanical assembly, commissioning and optimization of production systems. Since 2025, the portfolio also includes:

- Construction site / installation management
- Ramp-up support
- Relocation of production lines
- Service and after-sales support

As a result, customers receive worldwide support in every phase of their project for smooth implementation.

ekvip at automatica 2025

Visit us at automatica in Hall B6, Booth 511 and learn more about our framework "cinnamon" and our range of services. Our team looks forward to discussing your individual project with you.

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