



CODESYS GmbH | A member of the CODESYS Group

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www.codesys.com

Company Profile

Date: July 2021

Founded	01.07.1994
Founders/ CEOs	Dipl. Inform. (Univ.) Dieter Hess Dipl. Inform. (Univ.) Manfred Werner
Company	The CODESYS Group employs 200 people at its headquarters in Kempten/Germany and at its subsidiaries in China, Italy and the United States. The focus is on the development and marketing of the IEC 61131-3 automation suite CODESYS and the associated product portfolio. The company is ISO 9001:2015 certified.
Employees	200
Turnover 2020	24.9 million €
Products	CODESYS is the manufacturer independent IEC 61131-3-automation software. The system is the basis of a comprehensive suite that covers the entire software side of automation.

CODESYS Engineering

Modern editors, debugging functions, and integrated compilers allow for an easy handling of all engineering tasks. Device manufacturers can extend the development interface to a large extent. Add-on products from the CODESYS Store can be used optionally to complement the functionality. There are, for example, tools for version management, automated testing of applications, code analysis, as well as additional programming languages.

CODESYS Runtime

In order to be able to execute automation applications, the CODESYS Control runtime system must be implemented on the target device. Toolkits allow for a fast and flexible implementation and adaptation to the specific features and requirements of the target devices. The CODESYS Store provides SoftPLC systems for common hardware platforms, such as Raspberry Pi, BeagleBone Black, or PFC200 as complete products. By installing these SoftPLC systems on the stated hardware platforms, users create PLCs compatible with CODESYS.

The CODESYS Automation Server

As Industry 4.0 platform, the CODESYS Automation Server simplifies typical tasks that were very difficult to accomplish until now.

The CODESYS Automation Server displays all information in the browser of a PC, tablet, or smartphone, thus enabling simple administration and commanding - while of course complying with IT security. Through a ticket system, orders can be passed on in a targeted and secure manner. With the integrated DataAnalyzer, automation engineers can conveniently display control data in the WebApp or analyze it using simple tools.

CODESYS Visualization

The CODESYS Visualization helps users to develop and animate professional interfaces for test, commissioning, and operation of machines and plants. Thanks to the seamless integration in the CODESYS development environment, the system provides functions and display variants that are not available in other standard tools, e.g. directly on the PLC or on the web browser.



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Products (continued)

CODESYS Fieldbus

Automation tasks can be done much more efficiently with integrated fieldbus configurators and protocols. CODESYS supports standard fieldbus systems, such as PROFIBUS, CAN, or real-time Ethernet with integrated implementations, own protocol stacks, and diagnosis options.

CODESYS Motion CNC Robotics

Field-tested motion control components turn the IEC 61131-3 development system into a complete solution for motion tasks: Integrated editors/configurators for applications with cams, 3D CNC applications with DIN 66025 description, and robot axis groups allow for motion planning. Platform-independent library POU's for axis control (e.g. according to PLCopen), interpolation, and kinematic transformation calculate the path during runtime on the controller.

CODESYS Safety

CODESYS Safety SIL2 and SIL3 are integrated safety products certified to IEC 61508 by TÜV. Components in the runtime and programming system help accelerate the development of safety controllers. Moreover, users can develop their safe systems directly in CODESYS using EtherCAT Safety components.

CODESYS Services

Numerous interfaces and toolkits help customers adapt the powerful functionality of CODESYS to their specific requirements.

If required, the CODESYS Group offers professional adaptation support. Practice-oriented trainings and qualified consulting for efficient application development help users solve their automation tasks.

Sales/Service

The customer base of more than 400 manufacturers of programmable automation components is serviced by the CODESYS Group with its own Sales team, subsidiaries in Italy and China, as well as distributors in the major target markets throughout Europe, America and Asia. Technical support and application support are also available on site.

The CODESYS Store is an online marketplace for add-on products both free of charge and with costs that can seamlessly be integrated in CODESYS, for example plug-in components for efficiency enhancement, libraries, or sample projects. Beside the products offered directly by the CODESYS GmbH, the Store also offers third-party products.

Qualified support and free information channels such LinkedIn, the online platform "CODESYS Forum", webinars, and a special CODESYS channel on YouTube round off the service offer.



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Not all CODESYS features are available in all territories. More information on geographic restrictions available on demand.