Company Profile

Date: May 2019

Founded	01.07.1994
Founders/ CEOs	Dipl. Inform. (Univ.) Dieter Hess Dipl. Inform. (Univ.) Manfred Werner
Company	The CODESYS Group employs more than 160 people at its headquarters in Kempten/Germany and at its subsidiaries in China, Italy and the United States. The company group focuses 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	160
Turnover 2018	21.6 million €
Products	**CODESYS** is the manufacturer independent IEC 61131-3-automation software. The system is the basis of a comprehensive suite which 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 easily extend the development interface to suit individual requirements. Add-on products from the CODESYS Store can be used optionally to complement the functionality.

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 full 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.

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 which 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.

CODESYS Motion + CNC

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 with DIN 66025 description and robot axis groups allow for motion planning. Platform-independent library POUs 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 with an EtherCAT network directly in CODESYS on the basis of CODESYS Safety for EtherCAT Safety Modules.

CODESYS Services

Numerous interfaces and toolkits help customers adapt the powerful functionality of CODESYS to their specific requirements.
If required, 3S-Smart Software Solutions offers professional adaptation support. Practice-oriented trainings and qualified consulting for efficient application development help users solve their automation tasks.
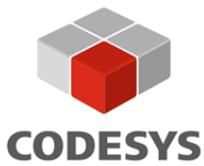
Sales/Service

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 3S-Smart Software Solutions the Store also offers third-party products.

End users can choose their hardware among an extensive pool comprising hundreds of different devices which are all compatible with CODESYS.

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

Press contact

Stefanie Klöckner
Head of Marketing Communications
3S-Smart Software Solutions GmbH
Memminger Str. 151 87439 Kempten/Germany
Phone: +49-831-54031-56 Fax: -50
E-mail: s.kloeckner@codesys.com
Internet: http://www.codesys.com

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