Company Profile

Date: February 2024

Founded	01.07.1994
Founders / owners / CEOs CTO	Dieter Hess, Manfred Werner Hilmar Panzer
Company	In 1994 Dieter Hess and Manfred Werner founded 3S-Smart Software Solutions GmbH, since June 2020 CODESYS GmbH, which today is part of the CODESYS Group as a sales company. The CODESYS Group employs more than 200 people at its headquarters in Kempten/Germany and 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.
Staff	> 200
Turnover 2023	43.5 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. Users are supported by optionally integrable add-on products from the CODESYS Store for more effective application development.

CODESYS Runtime
In order to be able to execute automation applications, the CODESYS Control runtime system must be implemented on the target device.
Device manufacturers use toolkits to adapt the runtime system quickly and conveniently to the specific features and requirements of the device.
Users are provided with SoftPLC systems for common hardware platforms such as Raspberry Pi or industrial PCs in the CODESYS Store, which they can install themselves.
New are virtual controllers that can be created dynamically in a container on any suitable platform, from 2024 even with safety certification in accordance with IEC 61508 up to SIL3.

CODESYS Automation Server
As an Industry 4.0 platform, the CODESYS Automation Server simplifies typical tasks that were previously very difficult to implement, such as rolling out applications or remote maintenance/operation of controllers.
The CODESYS Automation Server displays all information in the browser of a PC, tablet, or smartphone and thus enables simple administration and commanding – of course in compliance with IT security. The integrated DataAnalyzer allows automation engineers to 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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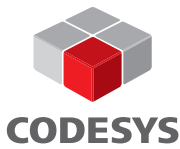
Products
(continued)

CODESYS Fieldbus / Communication

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. Communication protocols such as MQTT or OPC UA can be seamlessly integrated via CODESYS libraries.

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 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 directly in CODESYS using EtherCAT Safety components.
A certified software solution for implementing virtual safety controllers in a container will be available from 2024.

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 CODESYS Group serves a customer base of more than 500 manufacturers of programmable automation components with its own Sales Team, subsidiaries in the USA, Italy, and China, as well as sales partners in the most important target markets in Europe, America, and Asia.
More than 300,000 users worldwide use CODESYS. In the CODESYS Store, they can find add-on products for CODESYS that expand the application possibilities and make them more effective. A dedicated Sales Team advises users on how to make the most of available add-on products.

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

Press Contact

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