CODESYS®

One software.
All applications.
Your automation solution.
Your customized automation solution in no time - with CODESYS.

01 Choose your hardware – independent from the manufacturer
- Linux- or Windows-based embedded devices, boards, industrial PCs, server platforms or virtual PLCs with container/hypervisor
- Open industrial controllers
- CODESYS-compatible devices from around 500 suppliers

02 Choose your functionality
- Visualization and communication with other systems
- Testing, debugging, analysis, version control
- Fieldbus and I/O connection
- Deployment of motion control, CNC, robotics, and safety

03 Choose between extensive Industry 4.0 possibilities
- Administration platform for your controllers and projects
- Remote maintenance and remote access
- Data logging and display
- Connection to external systems for Big Data/Machine Learning/AI

Qualified support whenever you need it, for example in these cases:
- Establishment of continuous integration processes
- Creation of libraries
- Prototypes
- Application development

CODESYS turns your hardware into a full-fledged controller.

Programming and engineering with scalable function range
The comprehensive automation software

CODESYS

In daily use around the world

For the automation of building complexes and the management of associated services, Advanced Facility Management Ltd. fully relies on CODESYS in all areas.

Machine Engineering and Production Ltd. uses self-built systems to manufacture consumer goods at various locations. CODESYS was the automation software of choice right from the start.

As a system integrator, the engineering firm Easy System Integration* connects complex technical systems with each other at the highest level. For efficient automation solutions, the company uses the wide range of features CODESYS has to offer.

The machines of Mobile Machines Corp.* are in operation around the world and can be accessed remotely at any time. For this purpose, the company benefits from the powerful possibilities in CODESYS.

*All company names mentioned are fictional and exemplary for real applications.
YOUR BASIC PACKAGE

CODESYS Controller
- SoftPLC, virtual PLC or CODESYS-based controller

CODESYS Development System
- A free tool for all tasks and applications

CODESYS Automation Server
- Cloud-based platform for the management of your controllers and projects

YOUR ADDITIONAL OPTIONS
Extend your solution according to your individual requirements.

- Fieldbuses and communication protocols for any application field
- Safety functionality to ensure safe applications
- New technologies for Industry 4.0 and IIoT
- State of the art visualization
- Powerful features for motion, CNC, and robotics control
- Consulting and training by experienced CODESYS professionals
- Online access to libraries, example projects, and add-ons

Many more options, such as redundancy, security, interactive community…

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