

Your customized automation solution in no time - with CODESYS.

Competitive edge thanks to forward-thinking technology

03

Choose between extensive Industry 4.0 possibilities

- Administration platform for your controllers and projects
- Remote maintenance and remote access
- Data logging and display
- \bullet Connection to external systems for Big Data/Machine Learning/Al

Programming and engineering with scalable function range

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

controller.

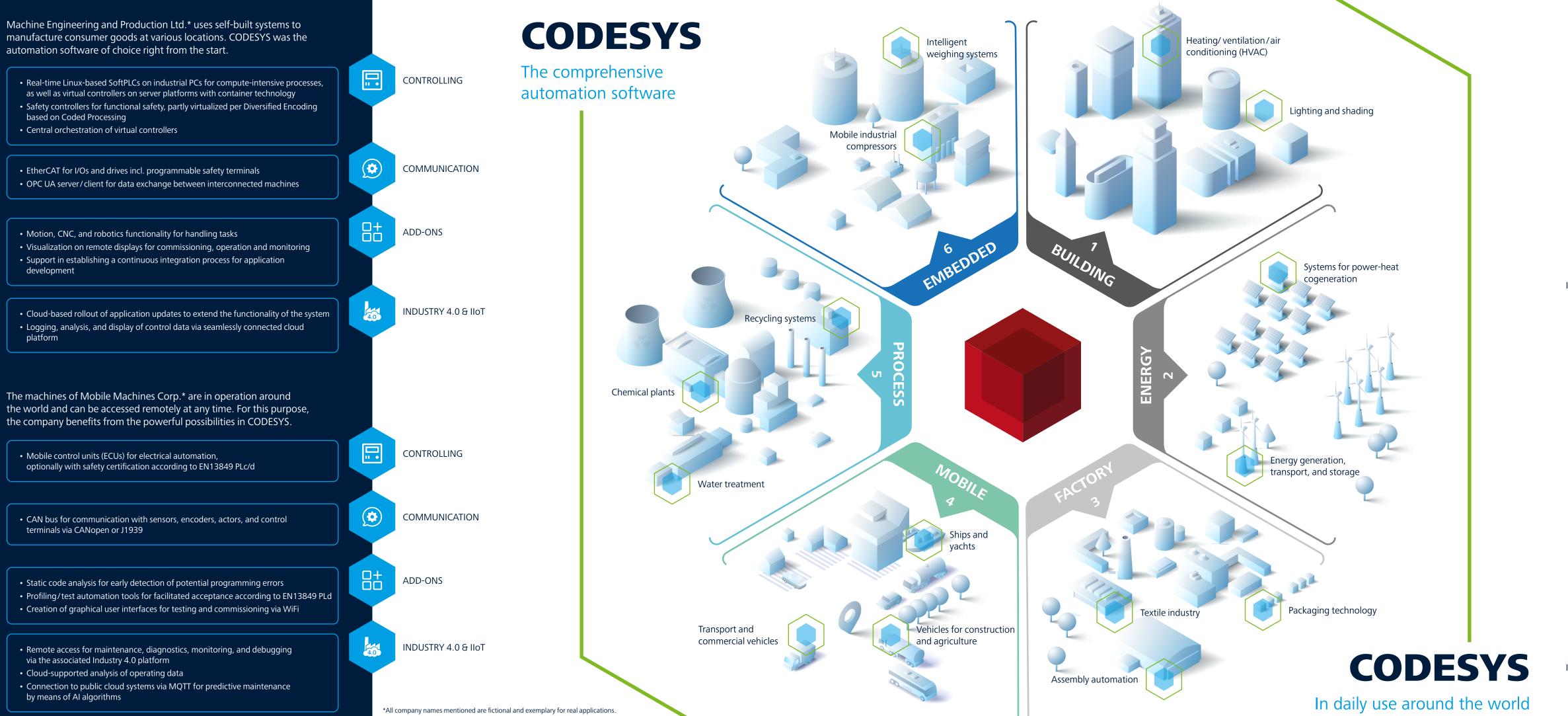
01

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

Qualified support whenever you need it, for example in these cases:

- Establishment of continuous integration processes
- Creation of libraries
- Prototypes
- Application development



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



Expandable panel controls thanks to manufacturer independence and

COMMUNICATION



Industry standard protocols such as KNX, BACnet, and Modbus

ADD-ONS



- Engineering software for the creation of logical links and sequences
- Convenient graphical configuration of aggregates/units for trade-specific application
- Worldwide available visualizations for monitoring and operation

INDUSTRY 4.0 & IIoT



- OPC UA Pub/Sub for outsourced data distribution to many recipients
- Connection of external APIs and cloud providers through IoT clients for efficient energy management, e.g. at the energy exchange
- Analysis of incoming measurement data in the cloud and presentation of the results on configurable dashboards

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.

CONTROLLING



- Evaluation hardware for prototypes, e.g. Raspberry Pi or PC
- Devices from around 500 manufacturers in a wide variety of form factors

COMMUNICATION



Ethernet-based protocols such as PROFINET, EtherNet/IP, and EtherCAT

ADD-ONS



- Git connection for efficient collaboration of multiple application developers
- Graphical and text-based programming languages for any purpose, e.g. ST, LD, and UML
- Seamlessly integrated visualization editor for creating individual graphical user interfaces for operation, display, and alarm management
- Regular classes by experienced trainers

INDUSTRY 4.0 & IIoT



- Web client for communication with REST services to connect external systems
- Worldwide access to controllers, associated projects, and applications
- User and rights management for secure networking with colleagues and customers

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 professionalsen Online access to libraries, example projects, and add-ons

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

Members of the CODESYS Group

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