

V3 ONE-DAY PRODUCT INITIATION

The one-day training is intended to familiarize participants with the CODESYS Development System (V3) as IEC 61131-3 programming tool and its related add-on products. The training targets product managers, project leaders, and other decision makers who plan an implementation on own devices, plants or machines and evaluate CODESYS as a solution.

PRODUCT DESCRIPTION

The training is face-to-face led by an instructor. Throughout the training, theoretical parts and live demonstrations are followed by practical exercises to facilitate knowledge transfer. Use cases are explored to demonstrate how the tool can be applied.

Participants will become familiar with the following aspects of CODESYS V3:

- Expectations on automation devices in the area of Industry 4.0
- Device map
- Programming according to IEC 61131-3
- Debugging
- Library management
- Overview of object-oriented programming
- I/O and Fieldbus configuration
- Usage of OPC UA, e.g. for cloud communication
- CODESYS and IIoT
- Visualization with basic elements
- Overview of CODESYS Motion Control and Safety products

System requirements and restrictions

Programming System	CODESYS Development System V3.5.5.0
Target System	The latest version of the CODESYS Development System should be installed before the training on the participant's Laptop.
Supported Platforms / Devices	Not applicable
Additional Requirements	Standard understanding/experience/know-how of industrial automation recommended
Restrictions	Only applies for V3
Licensing	Not applicable
Required Accessory	Own laptop with MS Windows and the latest version of CODESYS Development System installed

PRODUCT OPTIONS

We recommend that it be followed by other CODESYS V3 training modules.

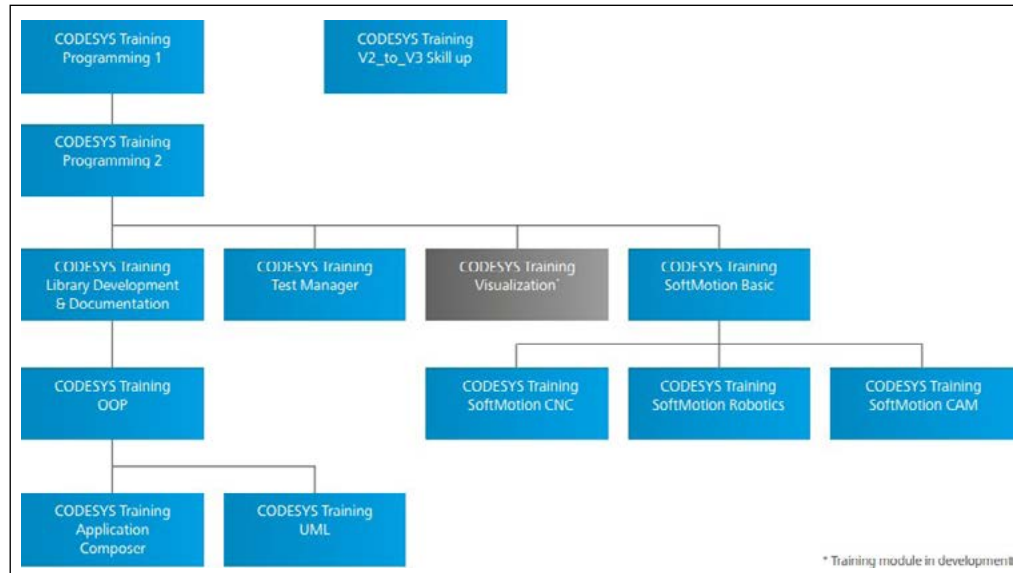


Figure1: Overview of all CODESYS Trainings offered.

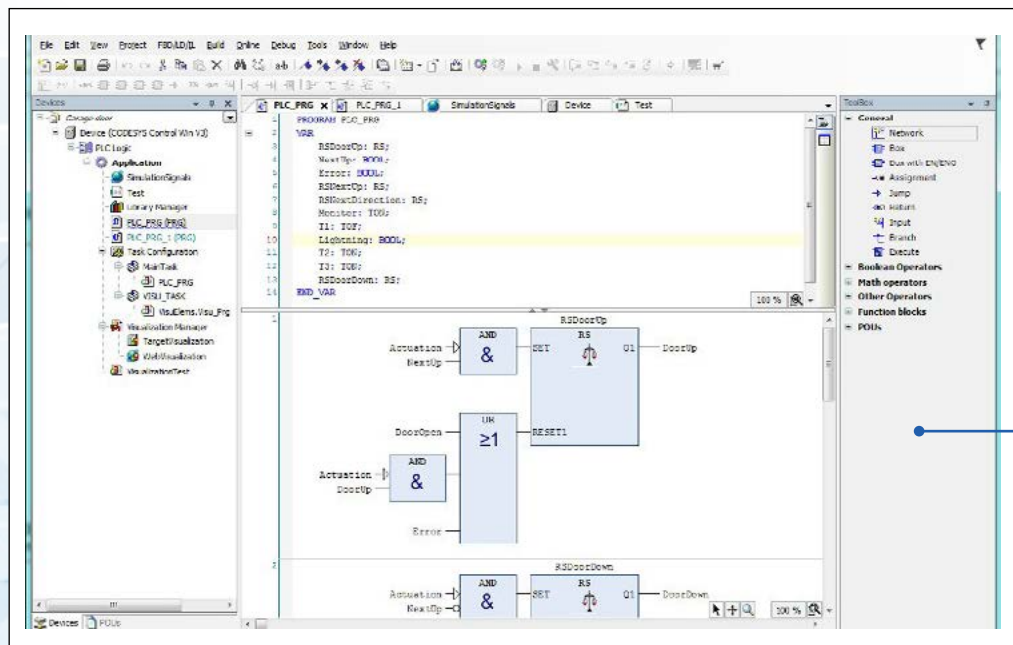


Figure 2: User interface with editors, device tree and toolbox.

CODESYS
frame window

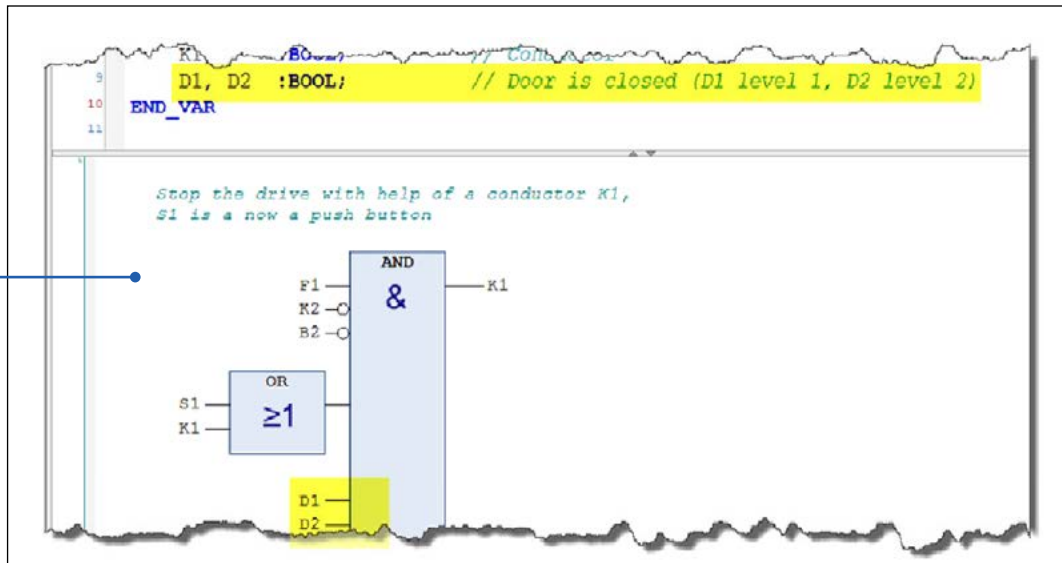
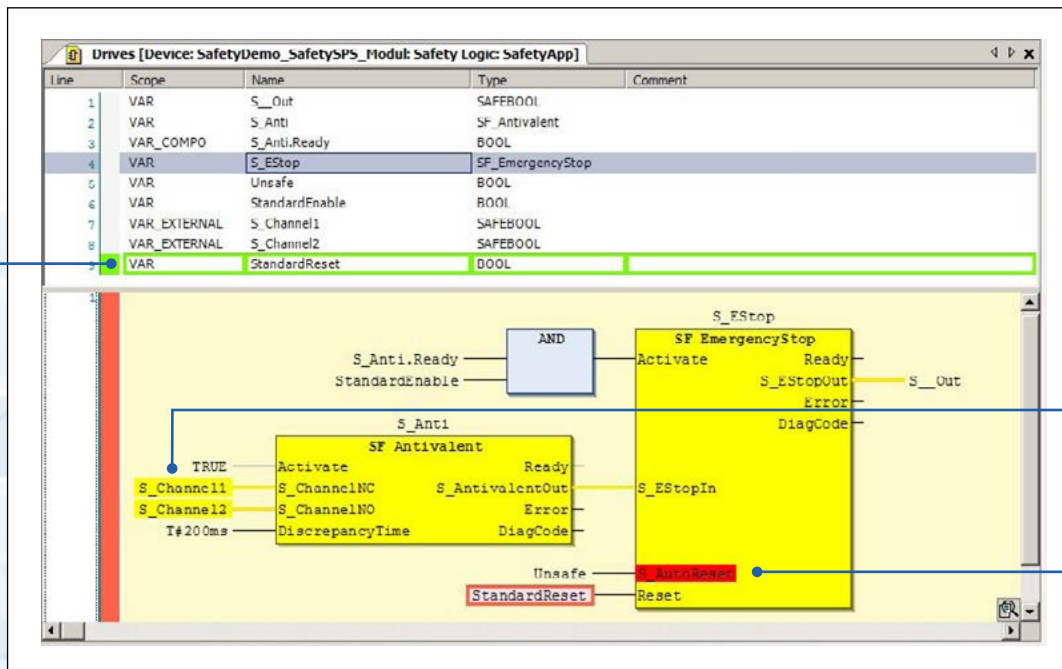


Figure 3: Function block diagram editor.

Changes are
highlighted



Safe signal
flow

Error: safe
data type
expected

Figure 4: CODESYS Safety editor.