



Multiple Applications

With CODESYS it is possible to run multiple applications on one target device. This example shows how to create child applications and how to run multiple applications on one control.

Product description

With CODESYS it is possible to run multiple applications on one target device. This example shows how to create child applications and how to run multiple applications on one control.

More information

The project `MultipleApplication` contains two main applications: `MainApplication1` and `MainApplication2`. As an example, a simple 2-point-regulator with a corresponding visualization is used.

The visualization and the data structure are stored in the POU pool. The communication between the applications is done over the global variable list of the main application.

The IO mapping must always be defined in the main application.

Example 'MainApplication1':

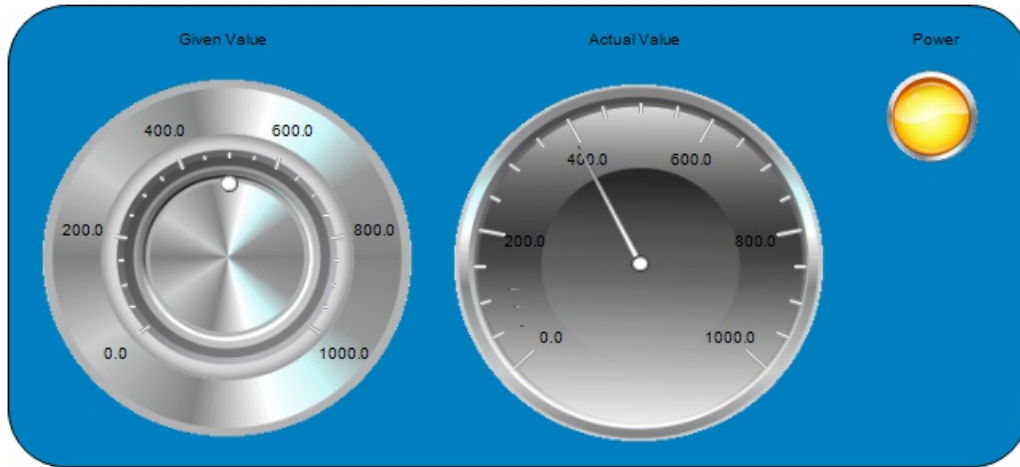
The main application contains the visualization of two regulators. The logic of the regulators is outsourced in `ChildApplication1` and `ChildApplication2`. Both applications can be started independently. This architecture is useful, if a controller process must run independently from other processes.

Example 'MainApplication2':

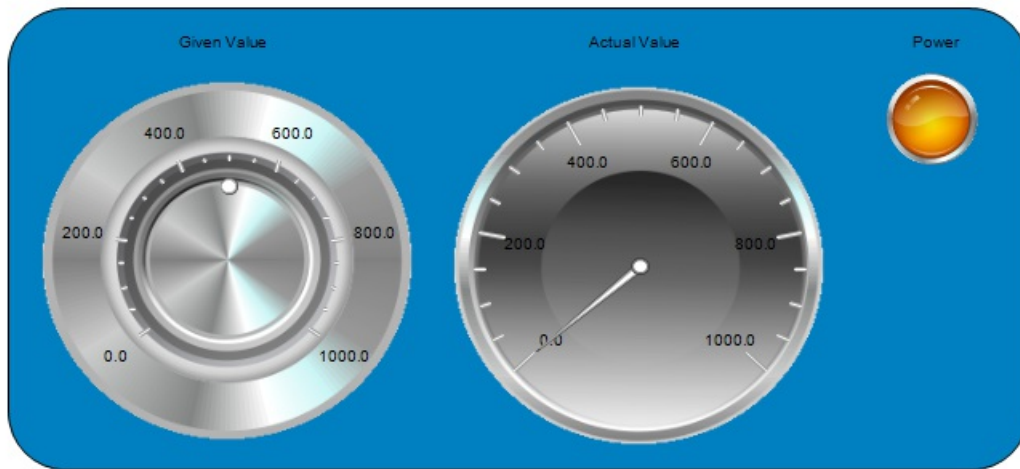
In this example, the main application contains the regulator logic. The visualization is outsourced in a child application (`VisuApplication`). This architecture is useful, if a controller process must run independently from the visualization.

Screenshots

Regulator 1 driven by ChildApplication1



Regulator 2 driven by ChildApplication2



General information

Manufacturer:

3S-Smart Software Solutions GmbH
 Memminger Strasse 151
 87439 Kempten
 Germany

Support:

<https://support.codesys.com>

Item:

Multiple Applications

Item number:

000013

Sales:

CODESYS Store

<https://store.codesys.com>

Included in delivery:

- CODESYS software and / or license key with billing information
- For training courses and events: Booking confirmation

System requirements and restrictions

Programming System	CODESYS Development System Version 3.5.0.0 or higher
Runtime System	CODESYS Control Version 3.5.0.0
Supported Platforms/ Devices	All
Additional Requirements	-
Restrictions	-

Note: Not all CODESYS features are available in all territories. For more information on geographic restrictions, please contact sales@codesys.com.

Note: Technical specifications are subject to change. Errors and omissions excepted. The content of the current online version of this document applies.