

3

Software, Tools & Docs WAGO-I/O-SYSTEM

- ▷ e!COCKPIT functionality
- ▷ Create a project
- ▷ Software overview
- ▷ Configuration
- ▷ I/O-CHECK

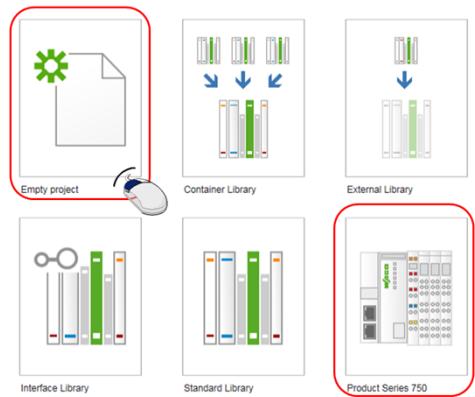


e!COCKPIT functionality

Configuration	„I/O-CHECK“
Programming	Visualization

Create a project

You can start a project either at
Empty project or
Product Series 750.



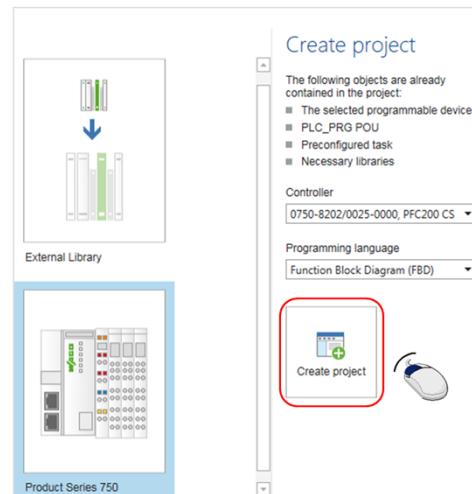
Create a project

Empty project:

Preferably, in online configuration or more controllers in the project.

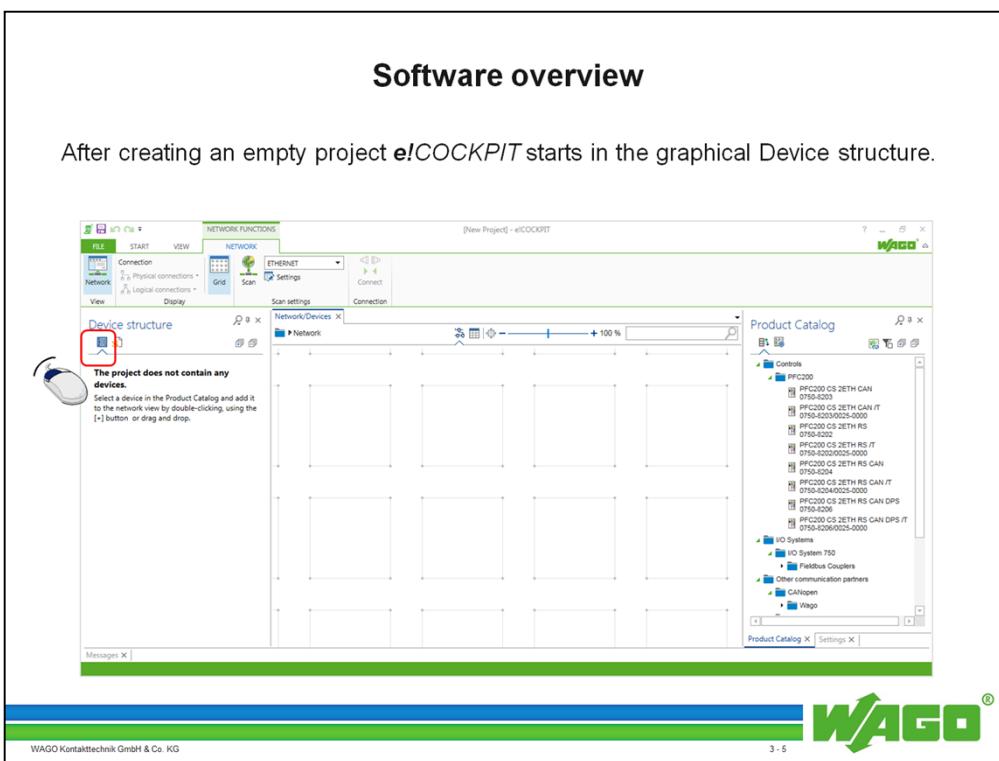
Product Series 750:

Preferably, in offline configuration with 1 controller/ project.



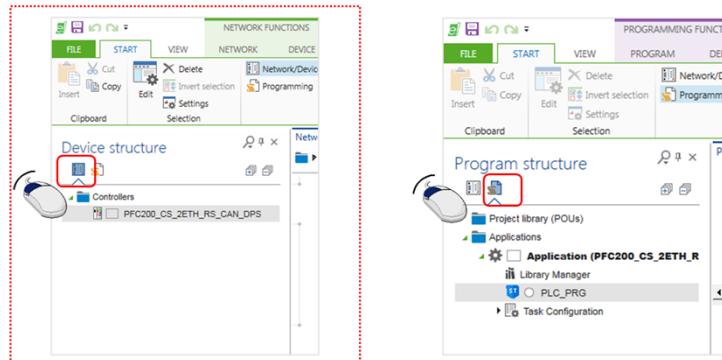
Software overview

After creating an empty project e!COCKPIT starts in the graphical Device structure.



Device structure – Program structure

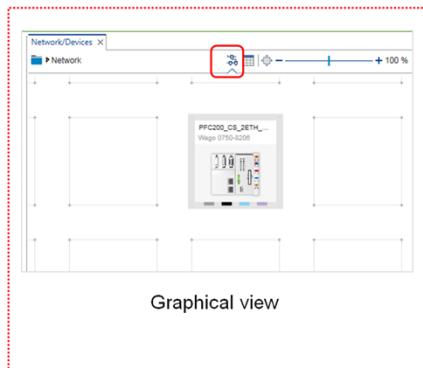
You can switch between the Device structure and Program structure with symbols on the left side of the screen



Device structure

Program structure

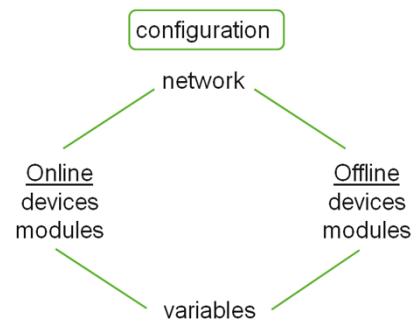
Alternative Device structure views



A screenshot of a software interface showing a tabular representation of a network structure. A red box highlights a small icon in the top right corner of the table header. Below the table, the text "Table view" is centered.

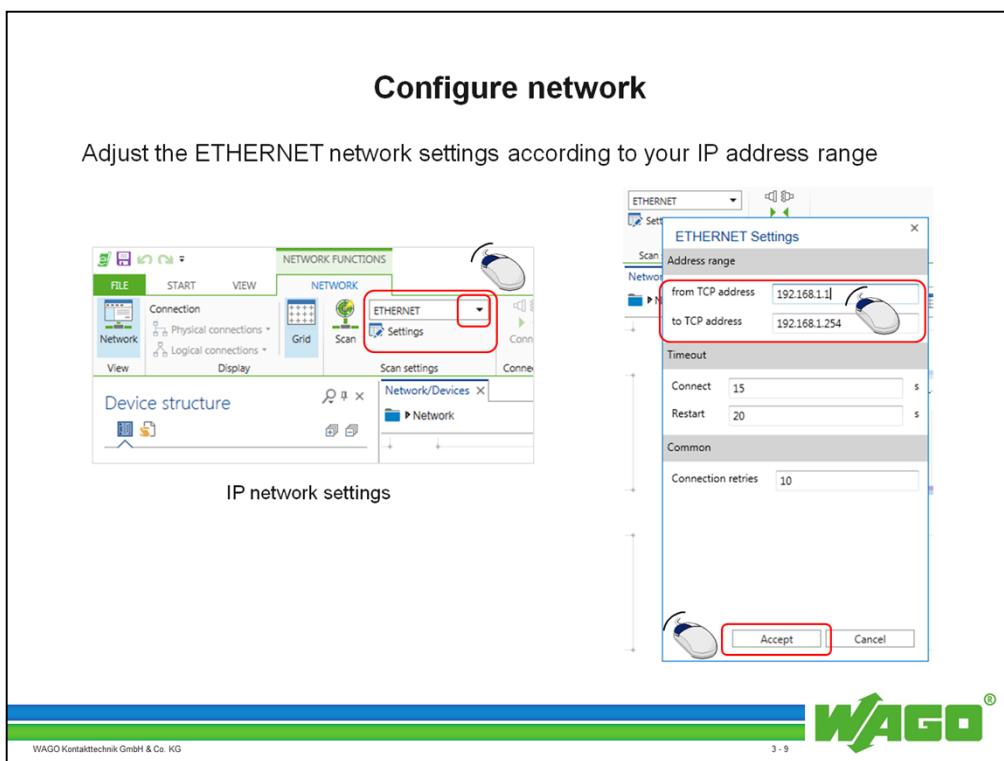
Configuration steps in e!COCKPIT

- Configure network
 - Configure network nodes
- Online
- Offline
- Configure node modules (if necessary)
 - Configure variables



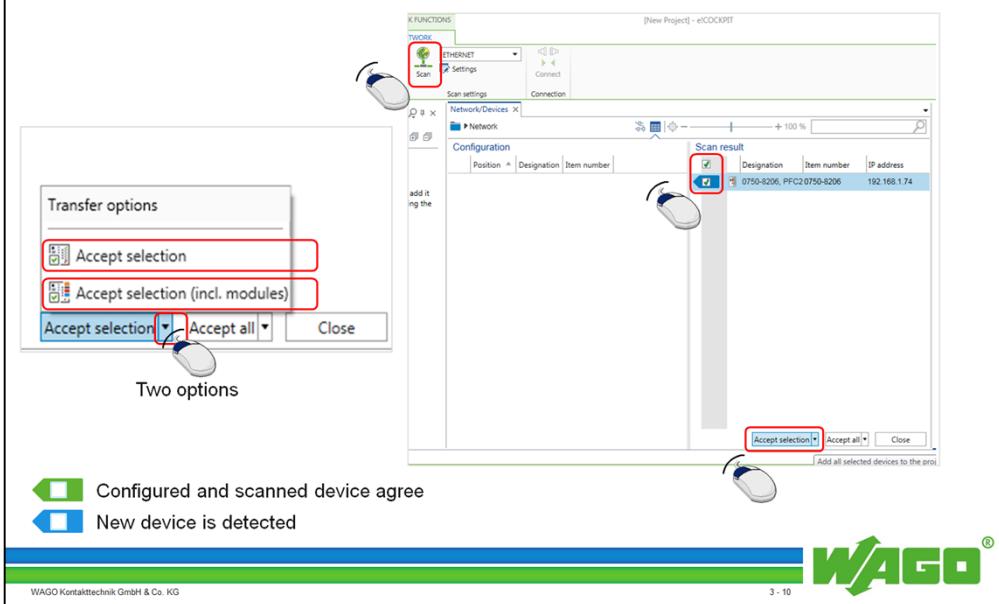
Configure network

Adjust the ETHERNET network settings according to your IP address range



Online node configuration

Scanning the devices



Online node configuration

Configuration with controllers and modules

The screenshot displays two views of the WAGO online node configuration interface:

Graphical view: Shows three network nodes (PFC200_CS_2ETH_RS_CAN_DPS_T) connected in a network. Each node is represented by a 3D model with various ports and status indicators.

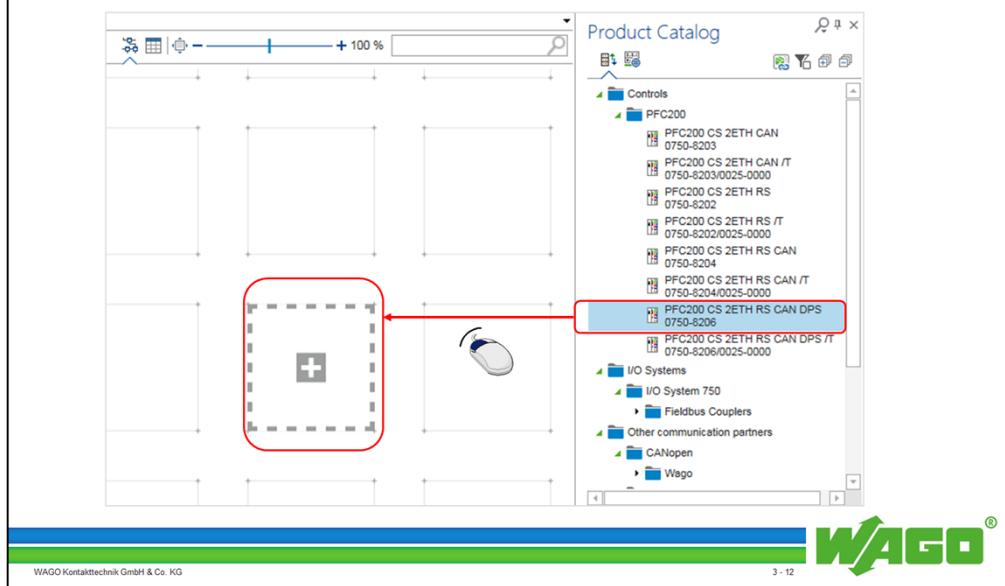
Table view: Shows a list of three nodes with their details:

Position	Designation	Item number	IP address
1	PFC200_CS_2ETH_RS_CAN_DPS_T	0750-8206/0025-0000	192.168.1.1
2	PFC200_CS_2ETH_RS_CAN_DPS_T_1	0750-8206/0025-0000	192.168.1.1
3	PFC200_CS_2ETH_RS_CAN_DPS_T_2	0750-8206/0025-0000	192.168.1.1

At the bottom left is the WAGO logo: **WAGO®**. At the bottom center is the page number: 3 - 11.

Offline node configuration

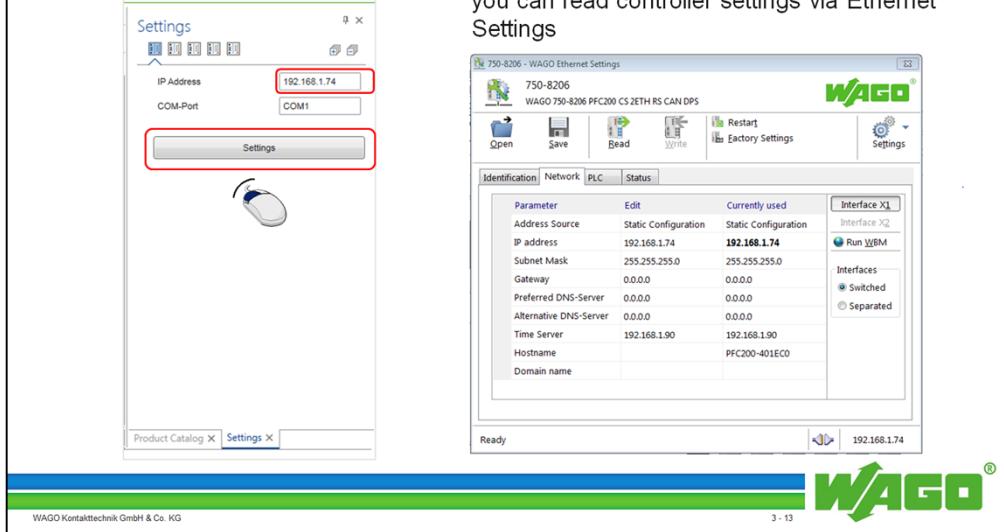
Insert devices from product catalog



Offline node configuration

1st option: Set the communication parameters

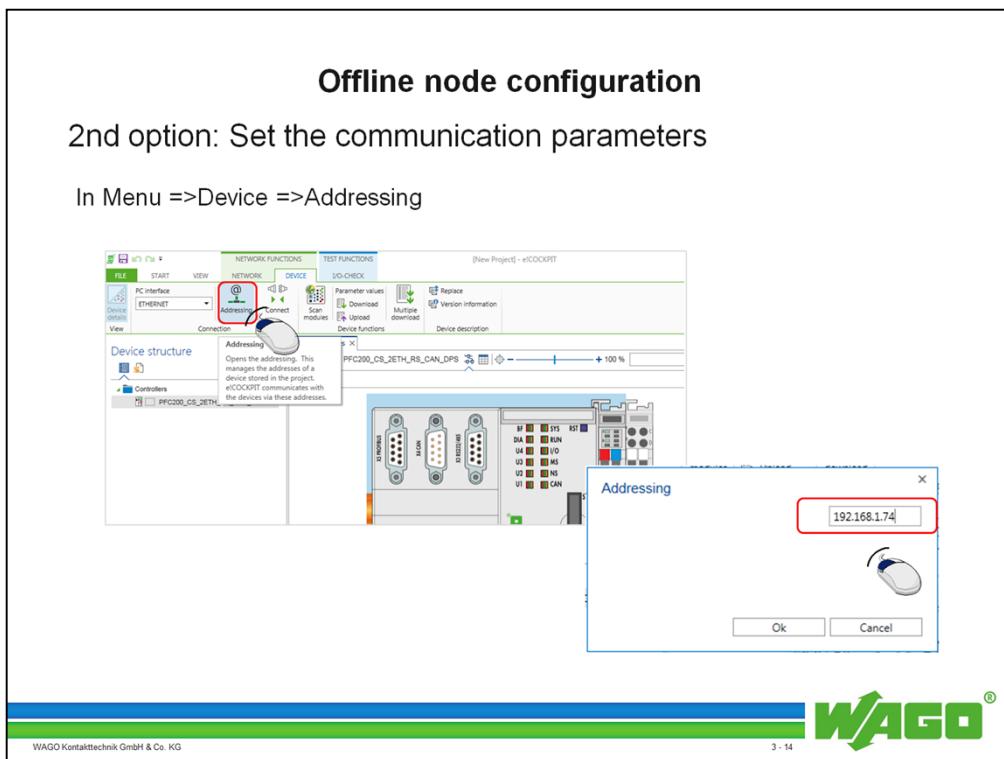
If Communication parameters are set correctly, you can read controller settings via Ethernet Settings



Offline node configuration

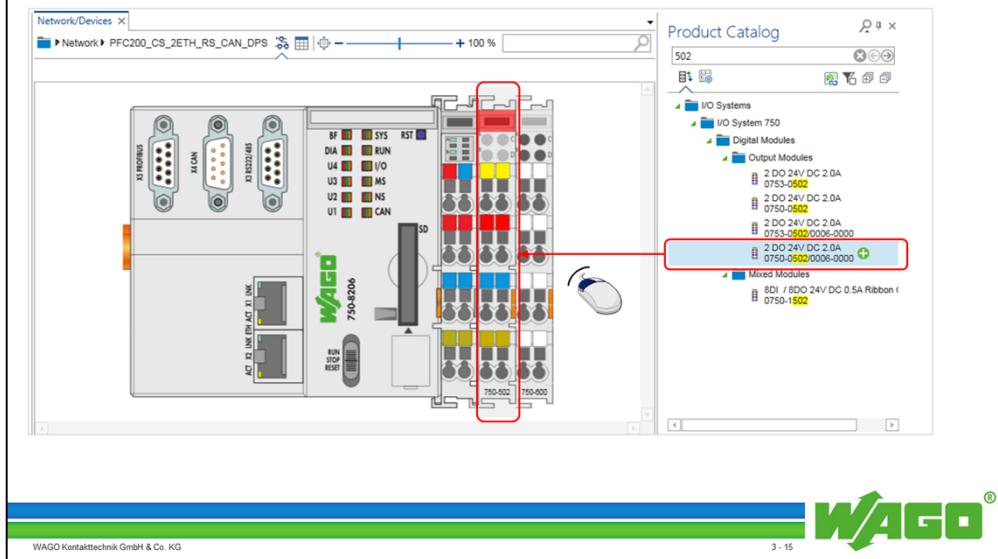
2nd option: Set the communication parameters

In Menu =>Device =>Addressing



Offline node configuration

Insert the modules from the product catalog



Offline node configuration

Configuration with controllers and modules

Graphical view

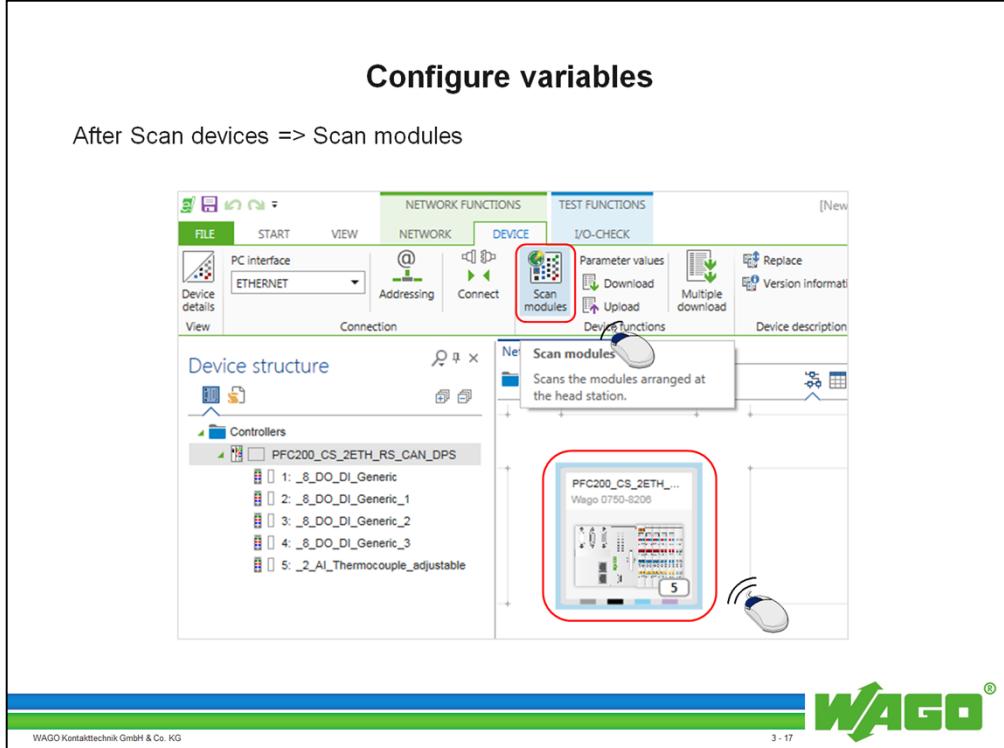
Table view

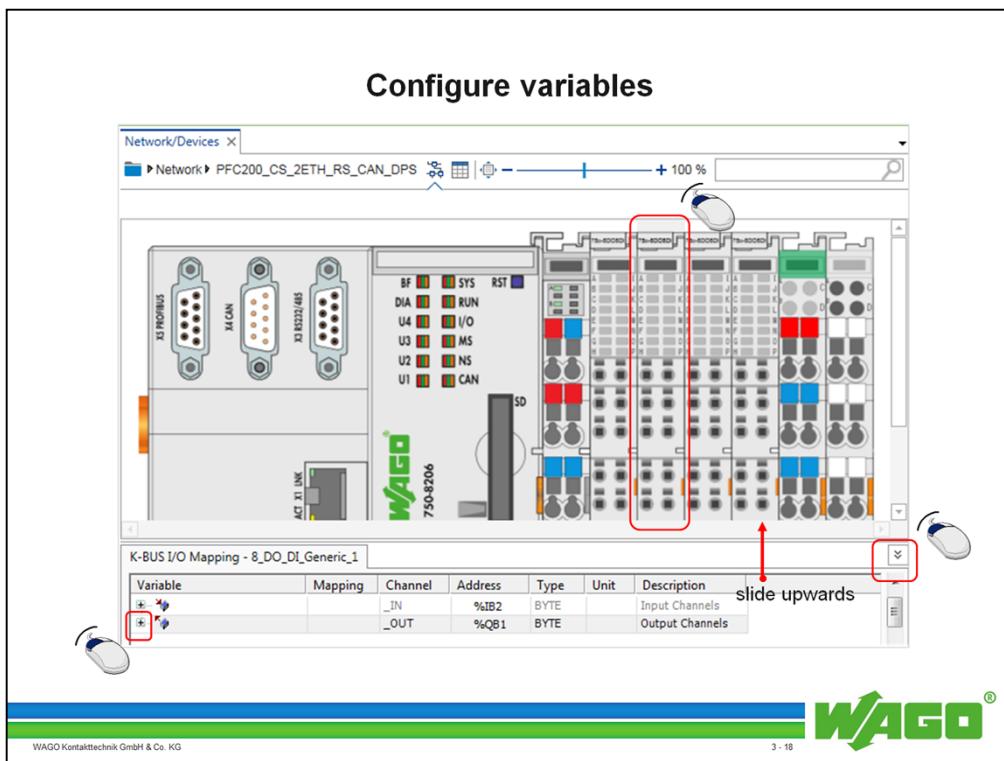
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3 - 16

Configure variables

After Scan devices => Scan modules





Configure variables

Type in the variables name of inputs and outputs

K-BUS I/O Mapping - 8_DO_DI_Generic_2						
Channels						
Variable	Mapping	Channel	Address	Type	Unit	Description
xInput_1		_IN	%IB3	BYTE		Input Channels
xOutput_1		_OUT	%QB2	BYTE		Output Channels
xInput_2		_IN	%IX0.0	BOOL		Digital input
xOutput_2		_OUT	%QX2.1	BOOL		Digital output
xInput_3		_IN	%IX0.1	BOOL		Digital input
xOutput_3		_OUT	%QX2.2	BOOL		Digital output
xInput_4		_IN	%IX0.2	BOOL		Digital input
xOutput_4		_OUT	%QX2.3	BOOL		Digital output
xInput_5		_IN	%IX0.3	BOOL		Digital input
xOutput_5		_OUT	%QX2.4	BOOL		Digital output
xInput_6		_IN	%IX0.4	BOOL		Digital input
xOutput_6		_OUT	%QX2.5	BOOL		Digital output
xInput_7		_IN	%IX0.5	BOOL		Digital input
xOutput_7		_OUT	%QX2.6	BOOL		Digital output
xInput_8		_IN	%IX0.6	BOOL		Digital input
xOutput_8		_OUT	%QX2.7	BOOL		Digital output

Digital modules can be addressed in word/ byte or in bit.

For outputs only alternatively and not at the same time.

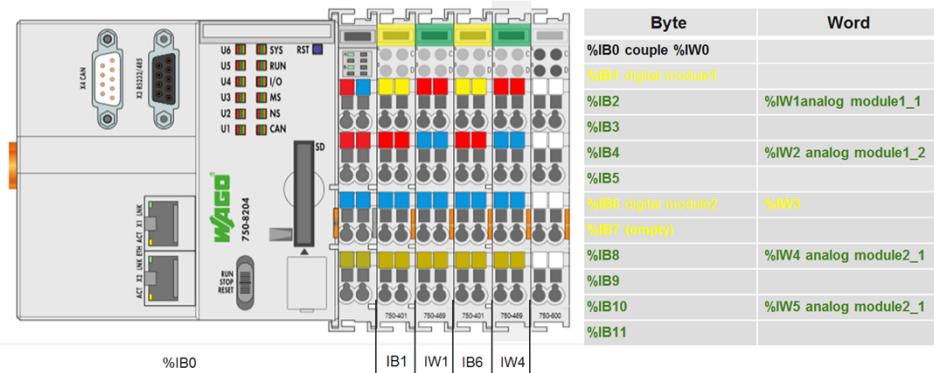


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3 - 19

Configure variables

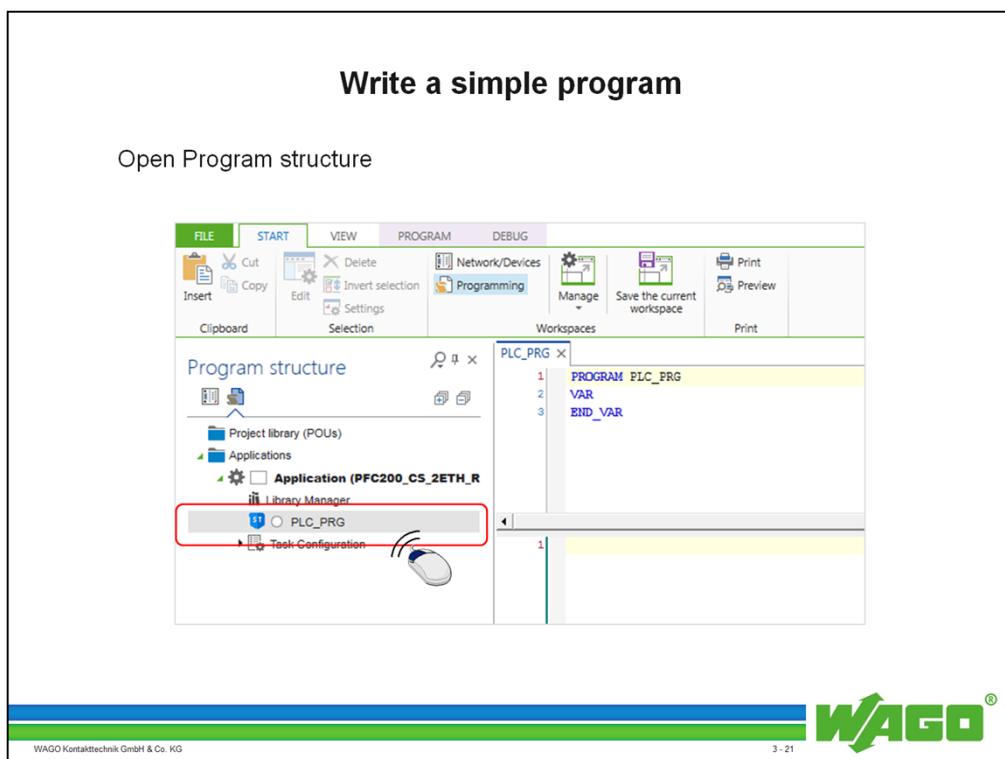
%I, %Q process image of addressing scheme (example)



Due to this overlap of %IB and %IW areas, using this addressing is not recommended. Additionally, are changed the %I, %Q addresses for subsequent in the nodes configuration.

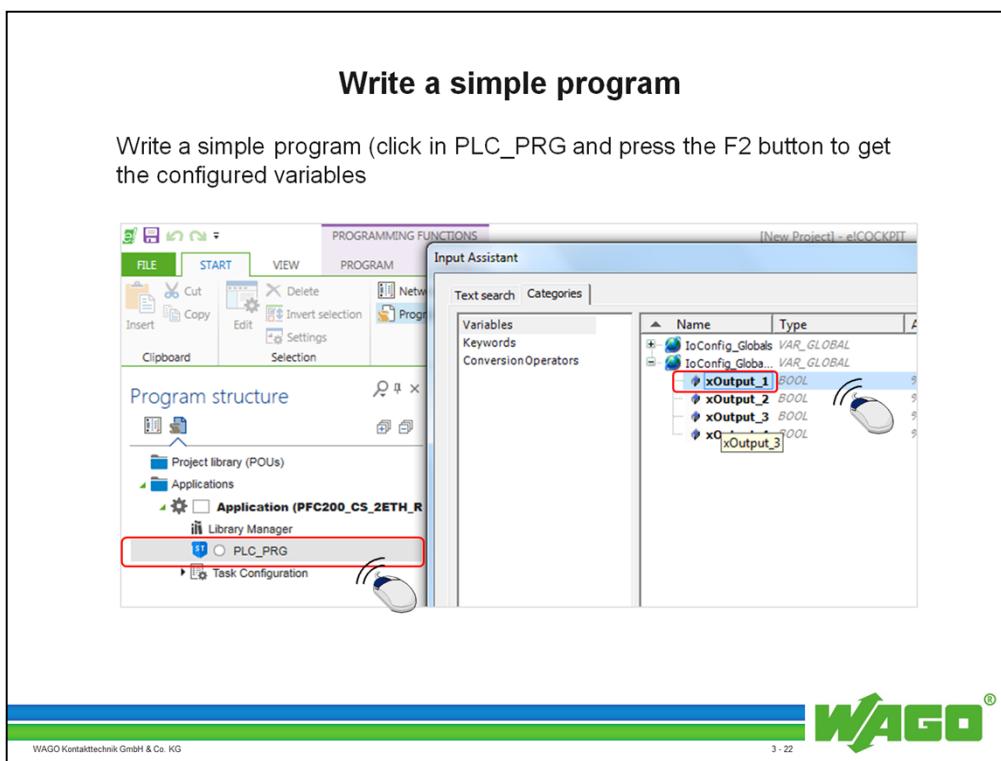
Write a simple program

Open Program structure



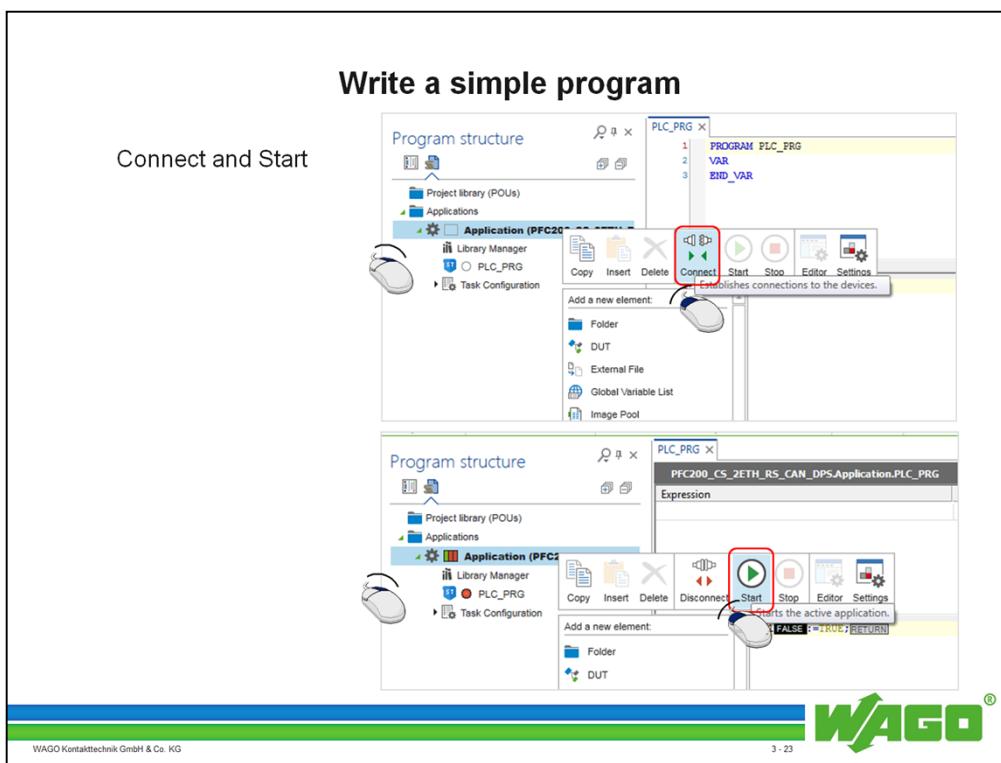
Write a simple program

Write a simple program (click in PLC_PRG and press the F2 button to get the configured variables

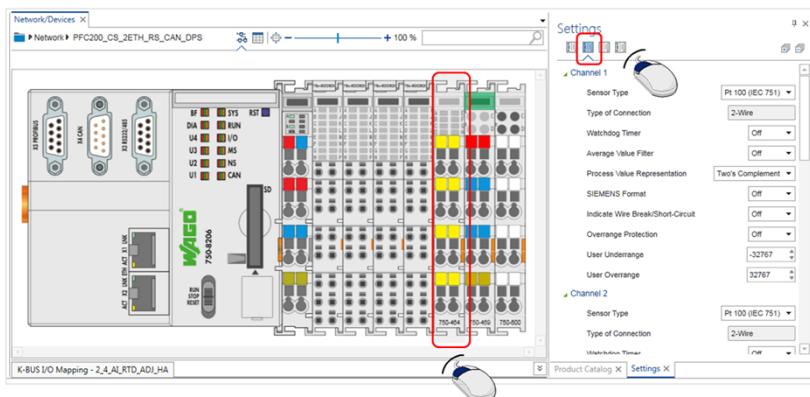


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3 - 22



Module configuration



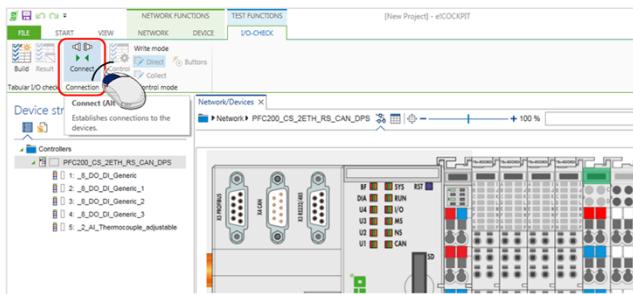
Additionally, some modules can be configured at settings (eg. 750-464).

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3 - 24

I/O-CHECK



I/O-CHECK
I/O-CHECK

control mode disabled:
control mode enabled:

Inputs can be read
Inputs can be read, outputs can be set

Control mode is only available, if PLC in STOP.

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I/O-CHECK

How to read inputs and to set outputs

