# SIEMENS

# FAQs
# SIWAREX WP241

## How do I program several SIWAREX WP241 in one project?

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## How do I program several SIWAREX WP241 in one project?

The WP241 configuration package include several ready for use example projects for one WP241 used with S7-1200 CPU and stand alone. The projects are available for different TIA Portal versions.

This TIA Portal ready for use projects have been developed in order to connect several scales to a 1200-CPU firmware version 4 and newer which is connected to a panel, it has been developed for use with TIA Portal V15.1 and newer.

For tag multiplexing a comfort panel is used (KTP basic panel do not support the functions that is used)

The firmware of the WP241 module must be version 1.2.2 or higher.

Link to FW: https://support.industry.siemens.com/cs/document/106369392/firmware-siwarex-wp241?dti=0&pnid=17798&lc=en-WW

**Follow this procedure to handle the project:**

1. Ensure that the Siwarex modules have Firmware Version 1.2.2 or higher
2. Add the Siwarex WP241 in the HW configuration and note the start address of each WP241 module.
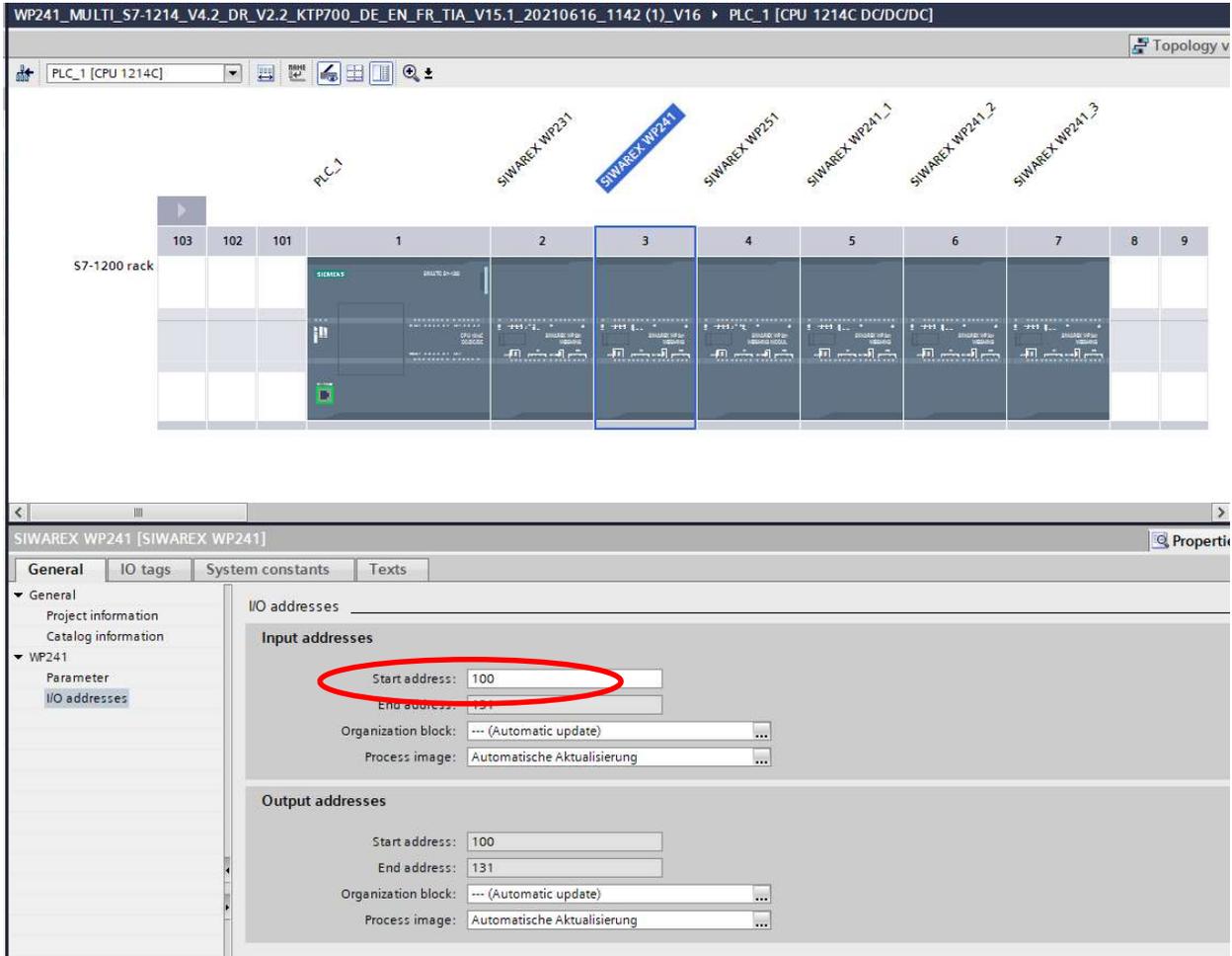


3. Set in the properties of the HW configuration the parameter "Interrupt generation" for each Siwarex WP241.
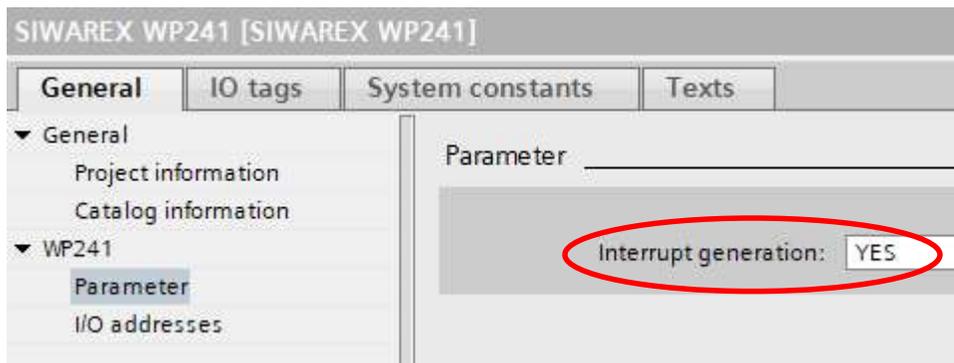
4. Open the FB "WP241_Multi_call"and the expand the array length of " ArrayLenghtMax"

   Set the array length according the number of Siwarex WP241 in your HW configuration.
   Pay attention the value is calculated as a zero offset (if there is one WP241 the value is
   0..0, if there is 5 WP241 the value is 0..4) - Recompile the FB "WP241_mul_call".



5. Open the DB "WP241_mul_Call_DB" Set the number from each module adress in the
   "ADDR" in the array of the WP241PR[x]. Compile then download HW and SW to the PLC.

6. Copy and paste the HMI tag table "WP241Array[0]". Rename the new tag table to "WP241Array[1]", "WP241Array[2]" etc. (in the brackets write the array number for each WP241 E.G. [Array number]
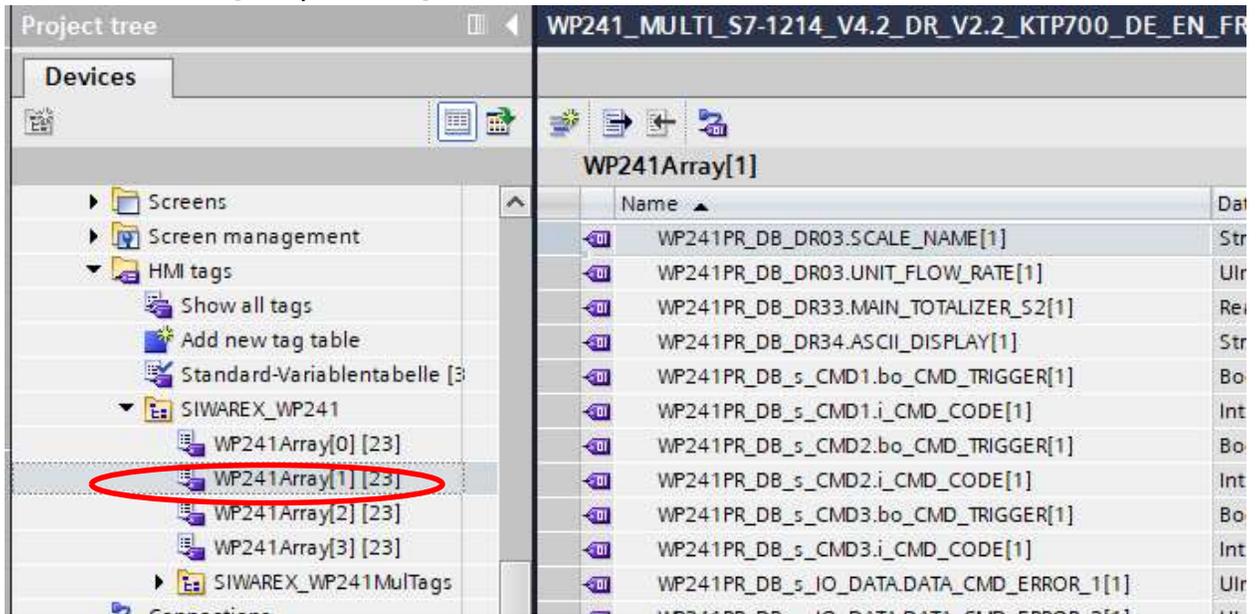


7. Open the tag table and use "Task" to find and replace tag names and PLC tags
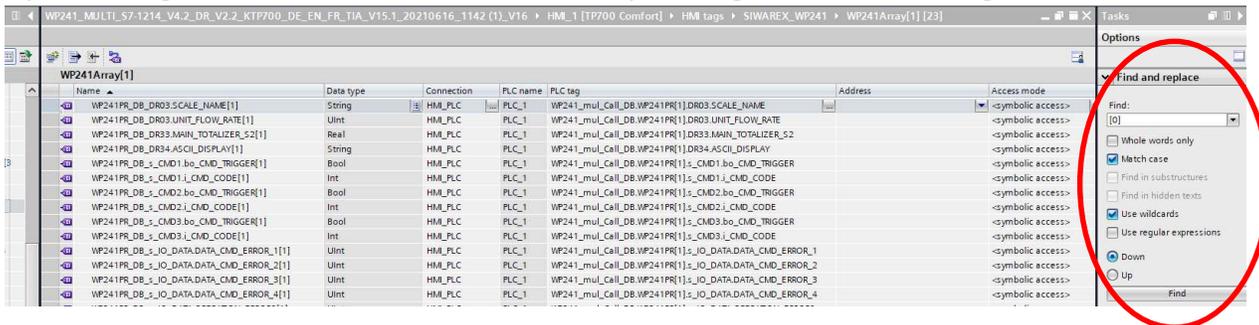
8. Copy and insert new Faceplates
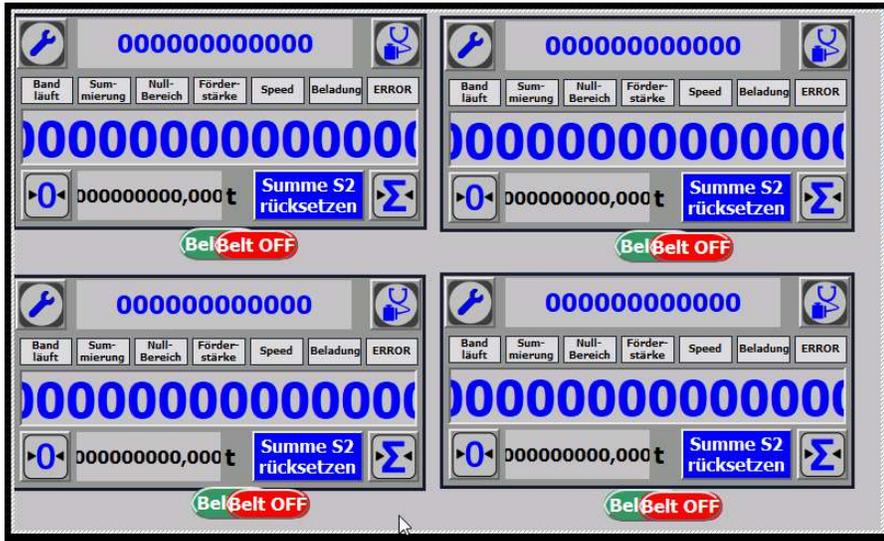


9. Link or re-wire tags in the instance of the faceplate to the new tags

10. Set or changes the array index pointer for all 3 events on the faceplate
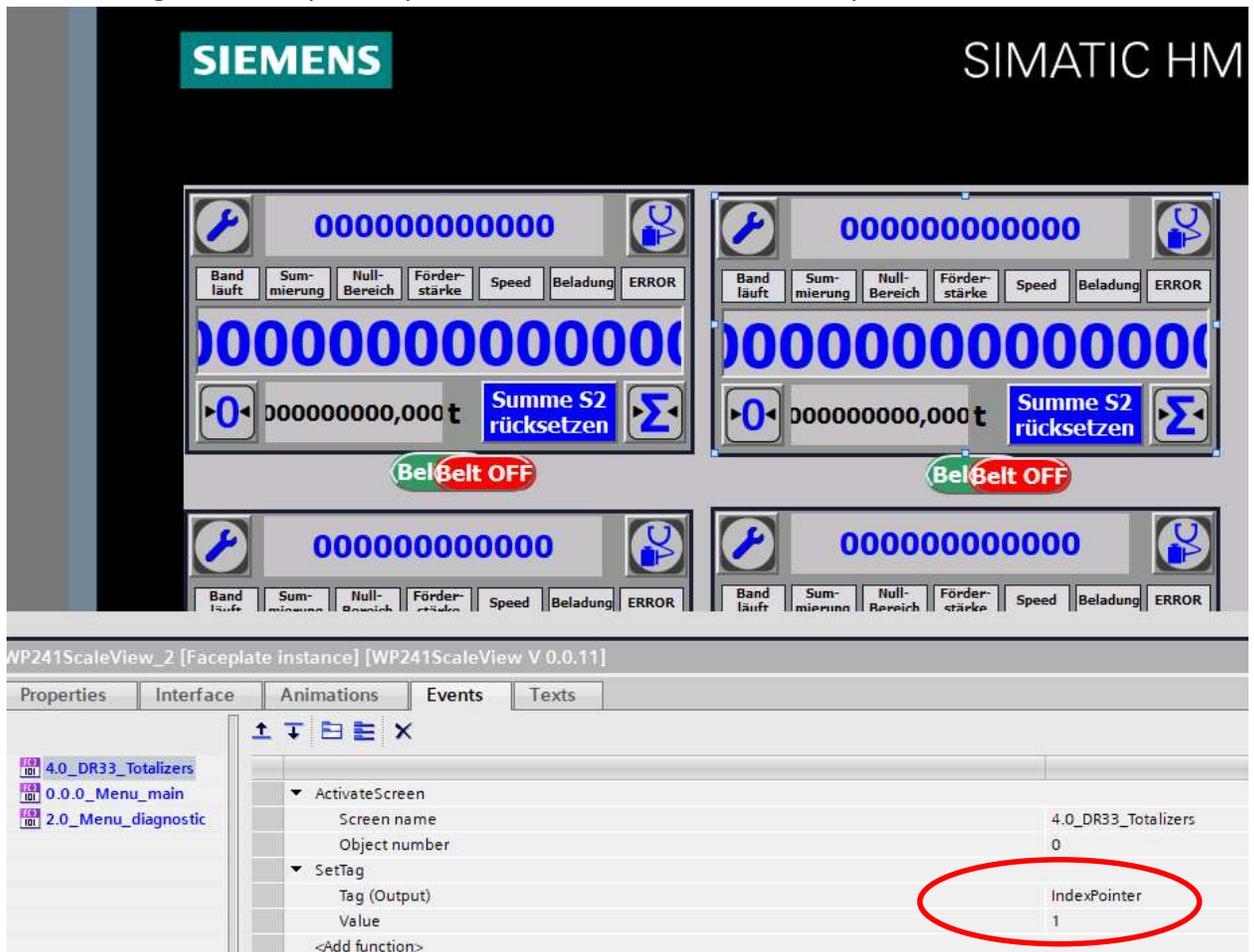


11. If it is needed add more screens for faceplates. Pay attention that when the screen is loaded the screen number is set (for screen navigation control)
Remember to set the screen number when the screen is loaded
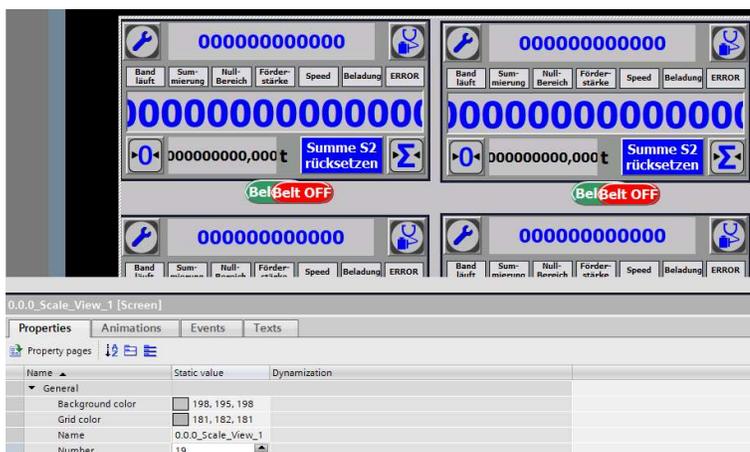


Find screen number of a screen
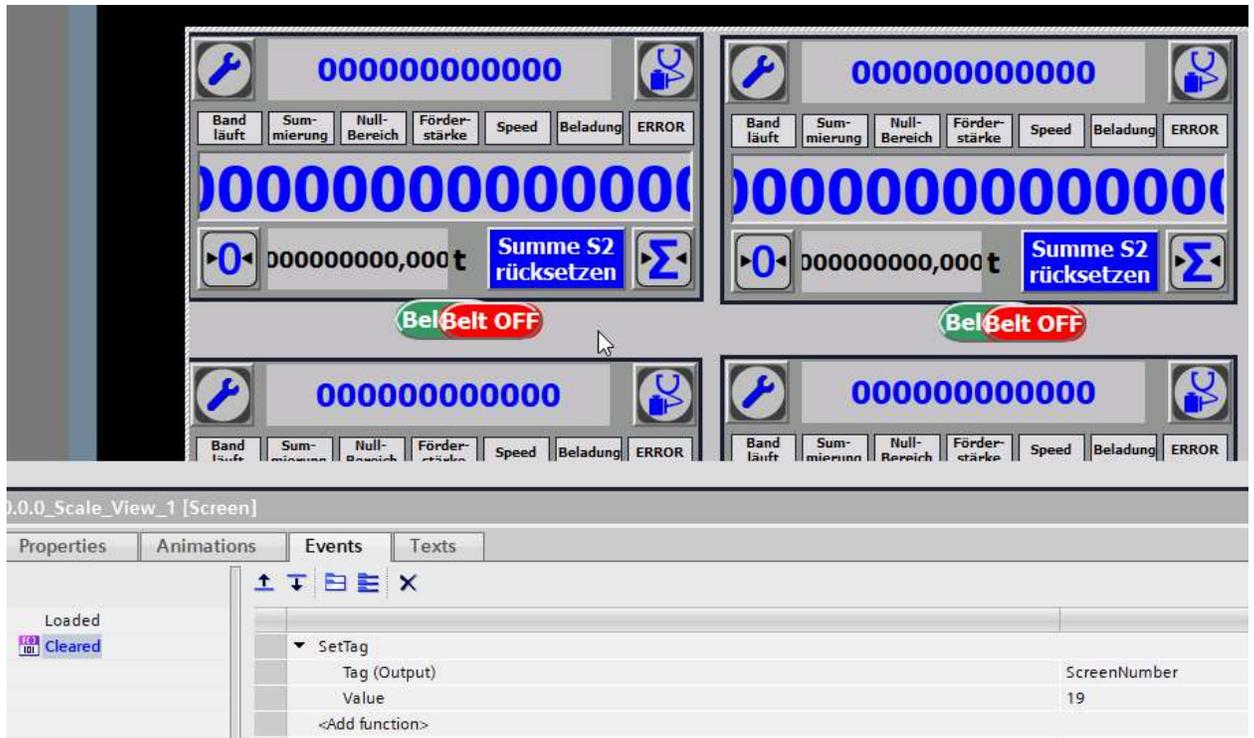
Set screen number on event "Cleared"

12. For a correct error reporting, don't forget to give a name to each scale during parameterization.

13. Download to the HMI

**Contact**

If you have any issues or suggestions regarding the related products or documents, please feel free to contact:

Technical support for SIWAREX:

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