SIEMENS

Modernization made Easy

SIMATIC WinCC TagConverter

Step-by-step guide for importing 3rd party PLC tags into Siemens HMI Software, saving you engineering time and preserving your data.

Digital Factory

HMI Panel Replacement Made Easy with SIMATIC WinCC TagConverter

SIMATIC WinCC TagConverter allows 3rd party PLC tags to be easily imported into our WinCC programming software, saving you engineering time and preserving your data.
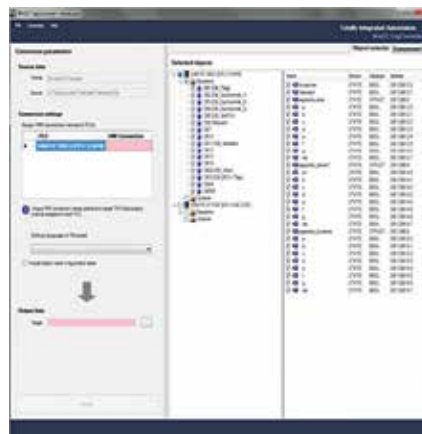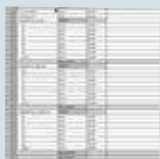
SIMATIC WinCC TagConverter

Schneider Electric© / Modicon©
ProWORX, Concept, Unity Pro XL

Allen-Bradley®
PLC-5®, SLC™ 500, and ControlLogix®

Converts
• Counter
• Timer
• Alias Tags
• Multi-dimensional arrays
• UDTs

tags/symbols

Export file

Import into WinCC (TIA Portal)

Converted file ready to import into WinCC

tags/symbols

To download the tool, please visit:
https://support.industry.siemens.com/cs/document/56078300/tagconverter-for-wincc-(tia-portal)?dti=0&lc=en-US

Global carpet manufacturer switched to Siemens HMI Panels, while retaining non-Siemens controllers and realized the following benefits:
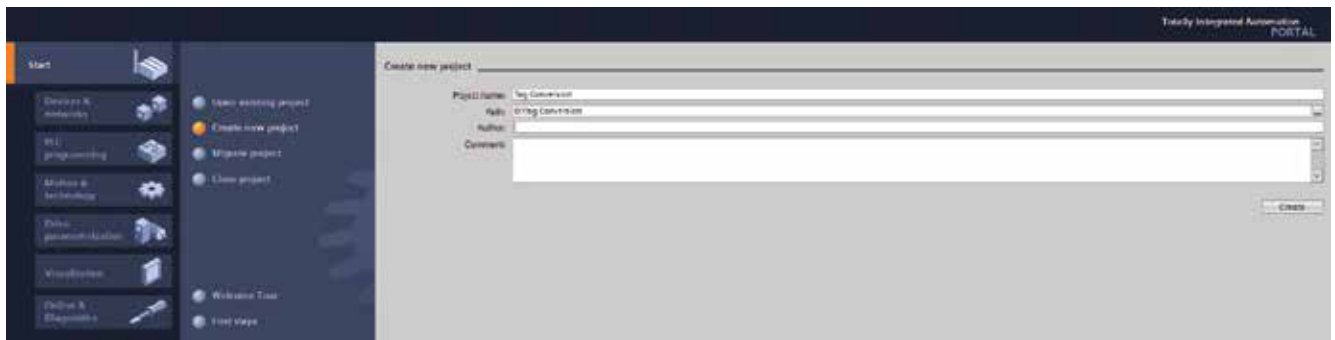
• Reduced costs due to standardization on Siemens HMI Panels while maintaining current controller base
• Reduced engineering time and preservation of data by not having to recreate tags through the use of the Siemens WinCC TagConverter

• Increased productivity due to remote connectivity functions via application web pages
• Maintain costs while benefiting from more advanced, innovative HMI feature

Step-by-Step guide for importing 3rd party PLC tags into Siemens HMI Software using the SIMATIC WinCC TagConverter

1 Open TIA Portal

2 Under the Start tab, click "Create new project" – Name your project and click "Create"
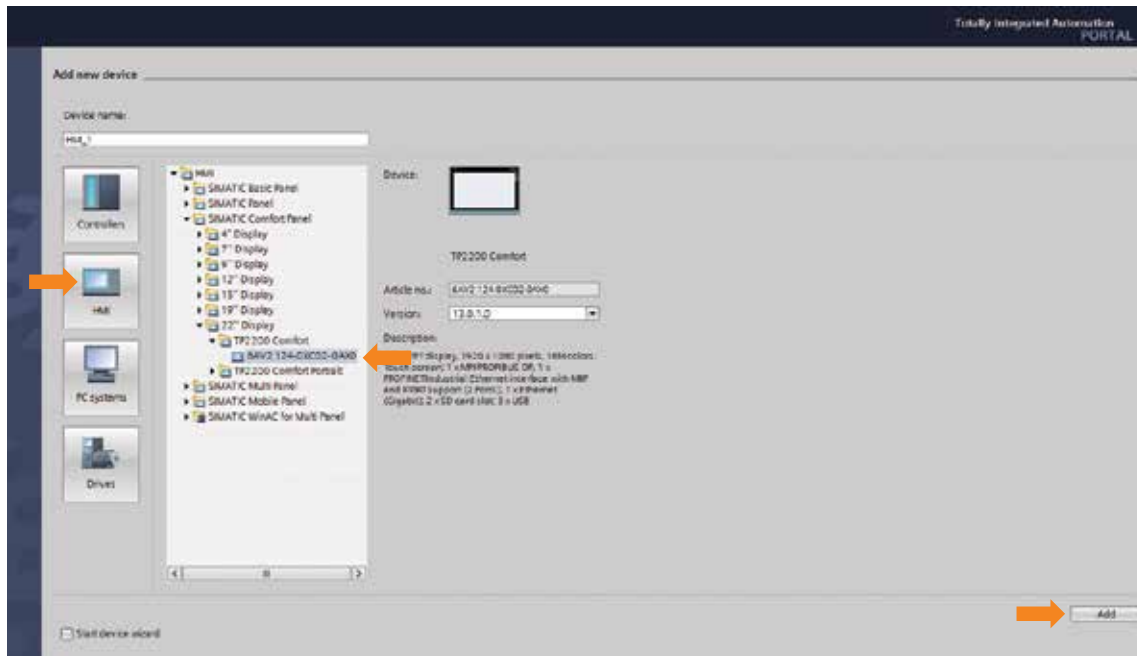

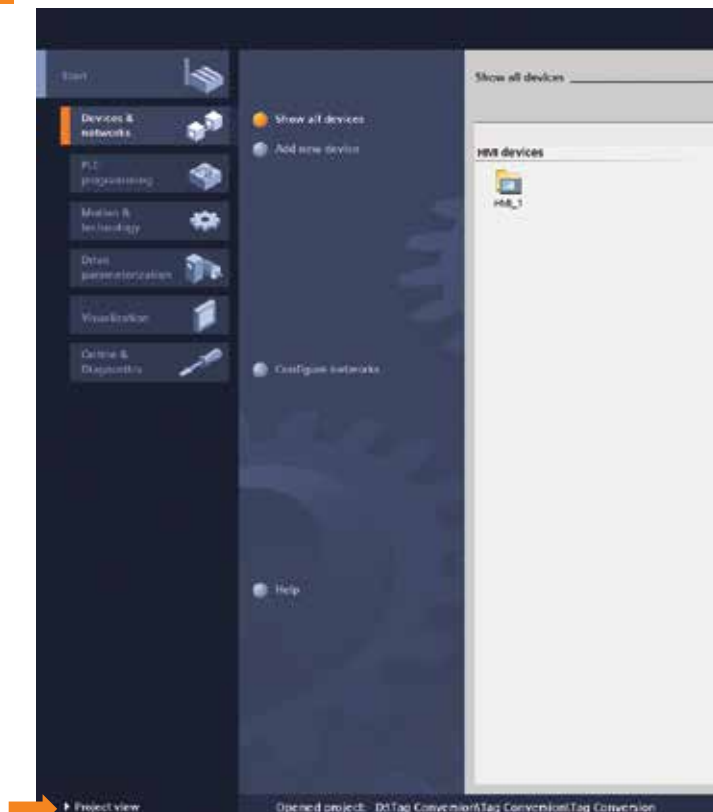**3** Select "Devices and networks" tab – Click "Add new device"

4 Select the HMI icon – Use the device tree to select the HMI device you want to use – Click "Add" in the bottom right hand corner
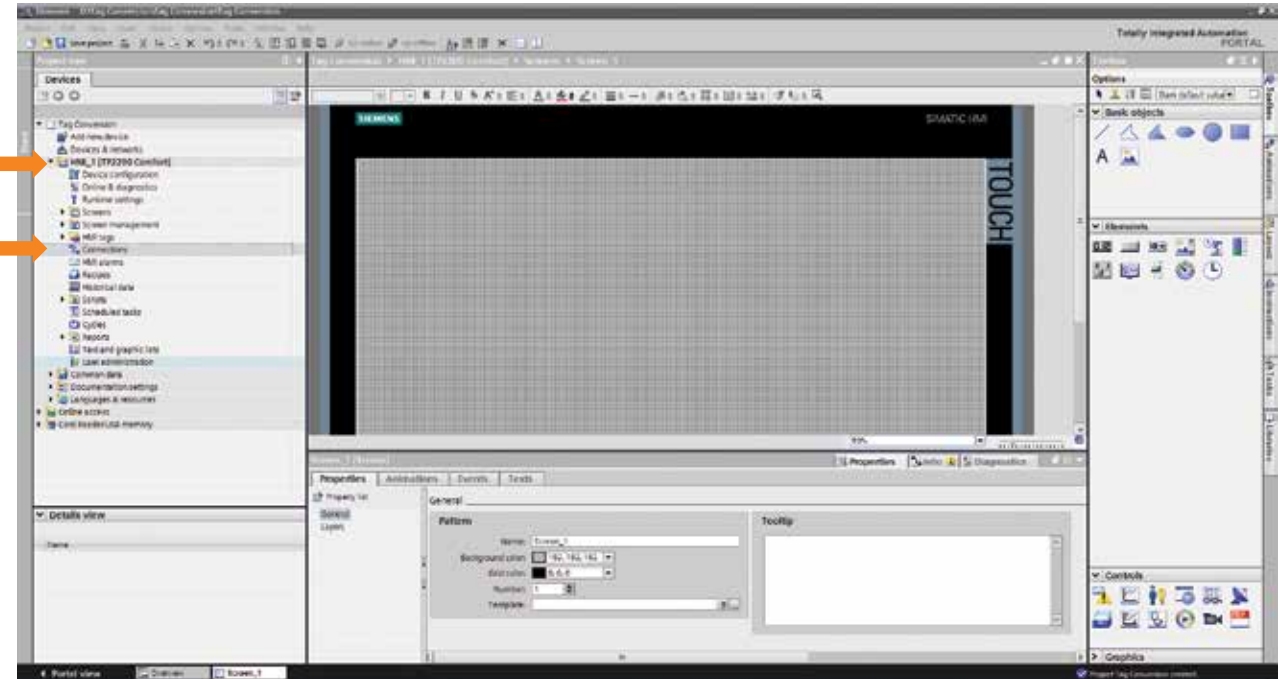
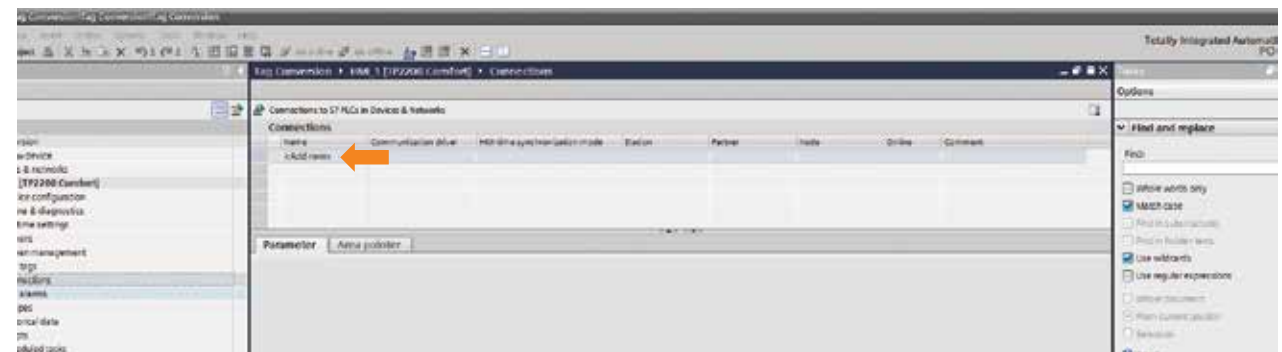

5 Once you've added the HMI, click "Project view"

6 On the Project view screen, open the HMI device in the project tree – Double click "Connections"
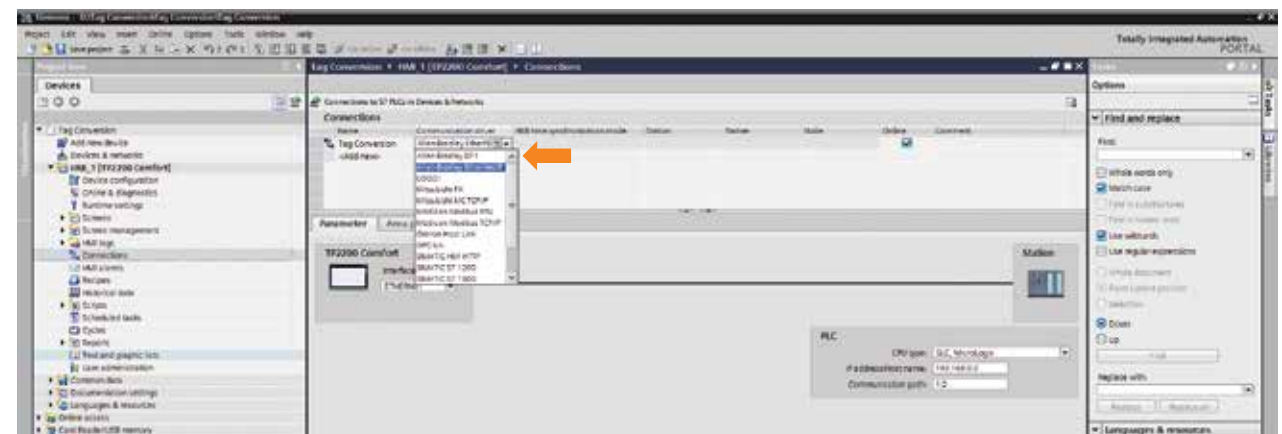

7 In the connections box, double click "Add new" and name your connection (Remember this as you will need it later)
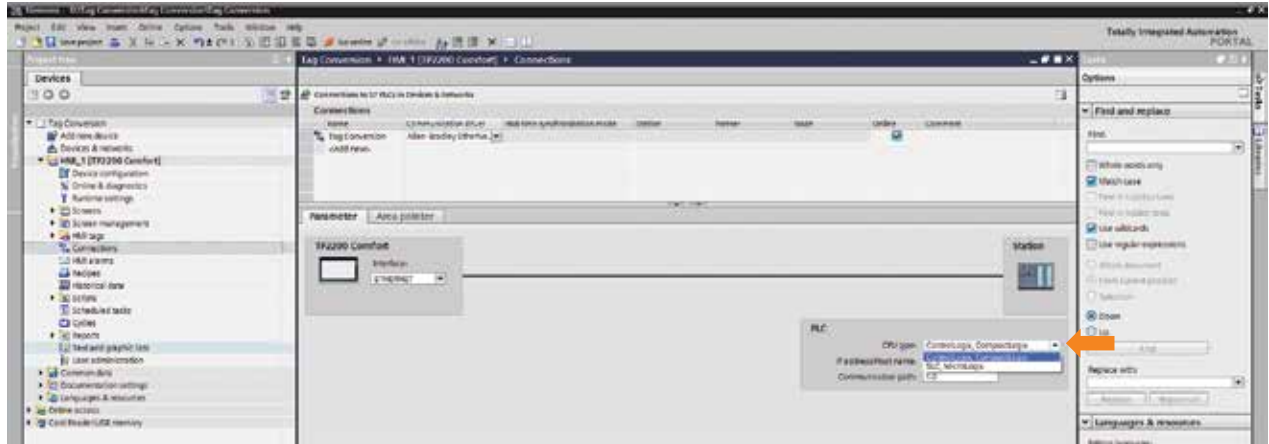

8 Then, use the drop down to select the communication driver (Note: All of these communications drivers are pre-installed, no add-ons necessary)

9   Select your CPU type from the drop down list

10   Set your IP address/Host name and Communication path

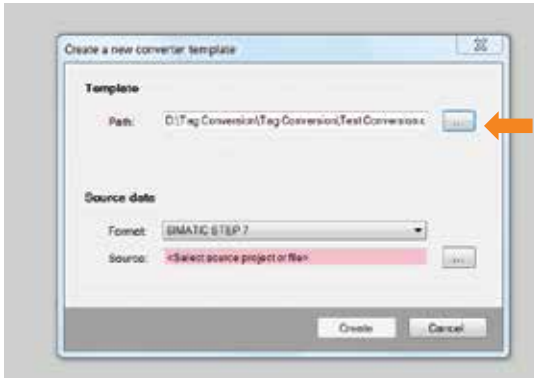**11**   Your connection between the HMI and PLC are now established – Open the SIMATIC WinCC TagConverter
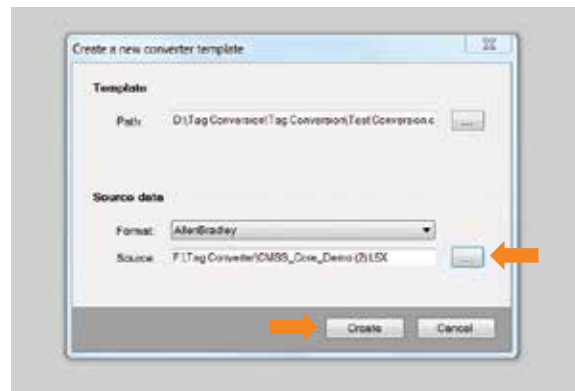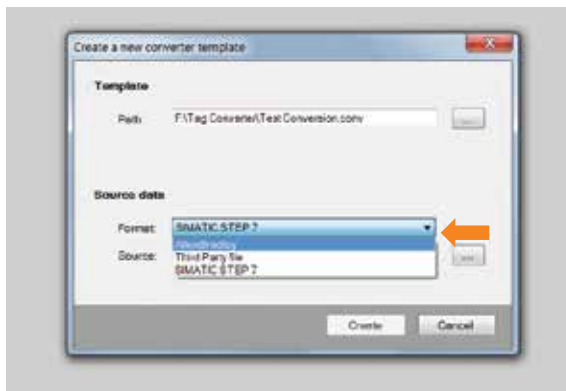

12   Click "Create a new converter template"

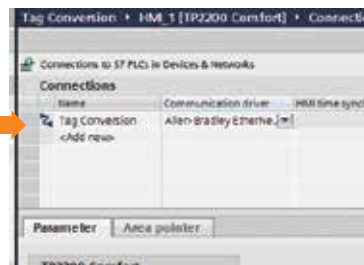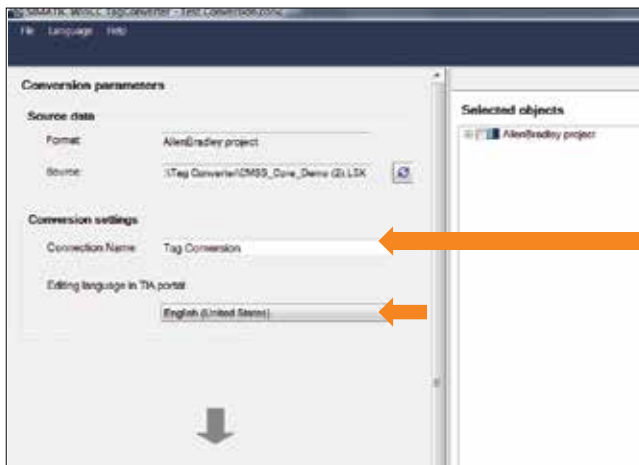**13** Choose your template path (This is where the conversion document will be saved in case you want to call it up in the future)

14 Select your file format from the drop down list – Then select your source file – Click "Create"
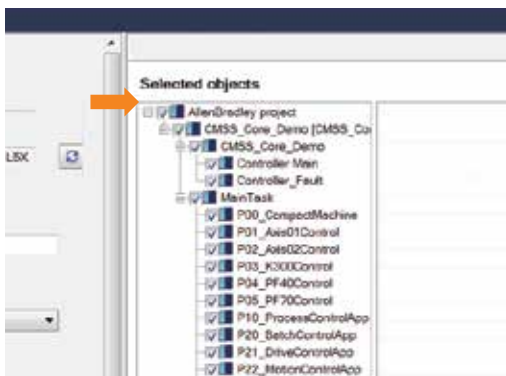

15 Add the Connection Name you set up in Portal (Make sure these match exactly) – Select your preferred editing language
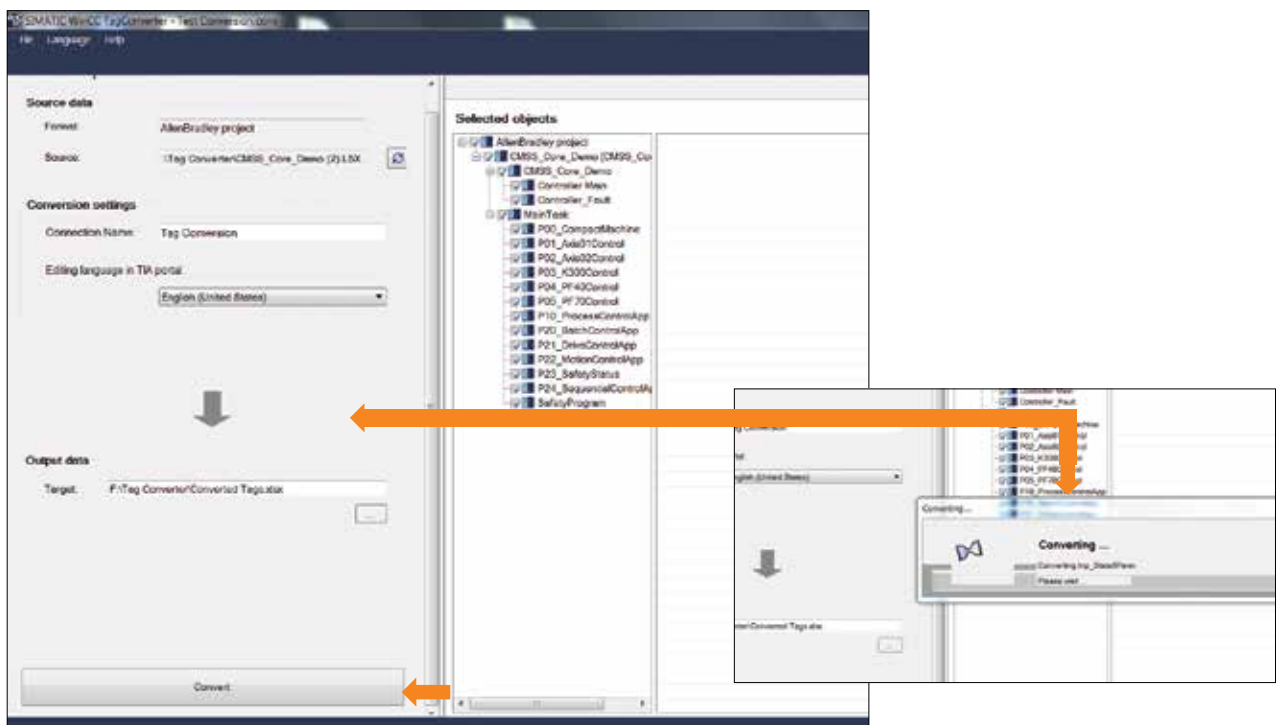
16 Select your output data file name (This will be the excel file you create with the converted tags)

17 Select what you want to convert (You can convert a complete project or select individual events and task)
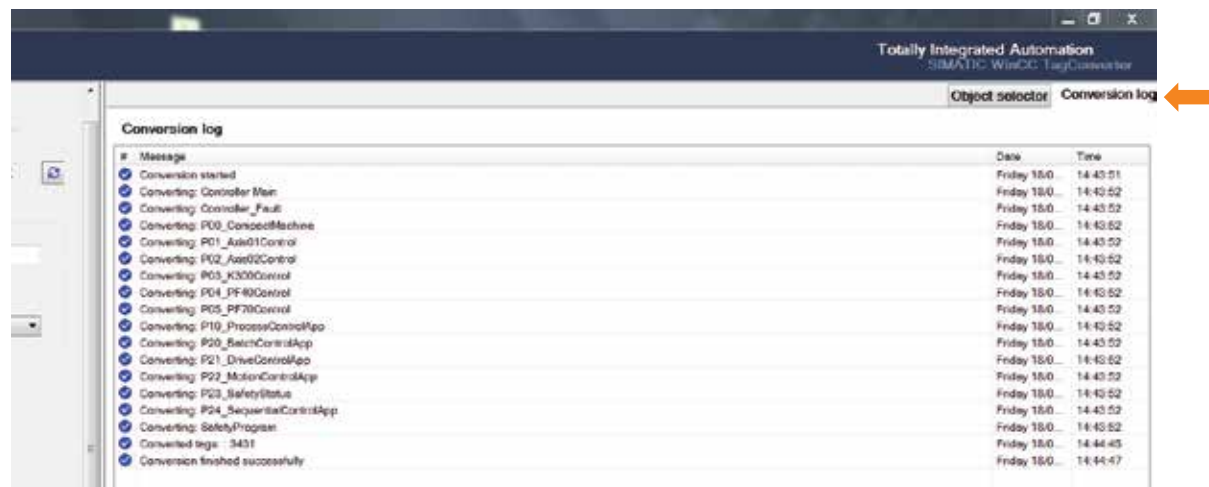

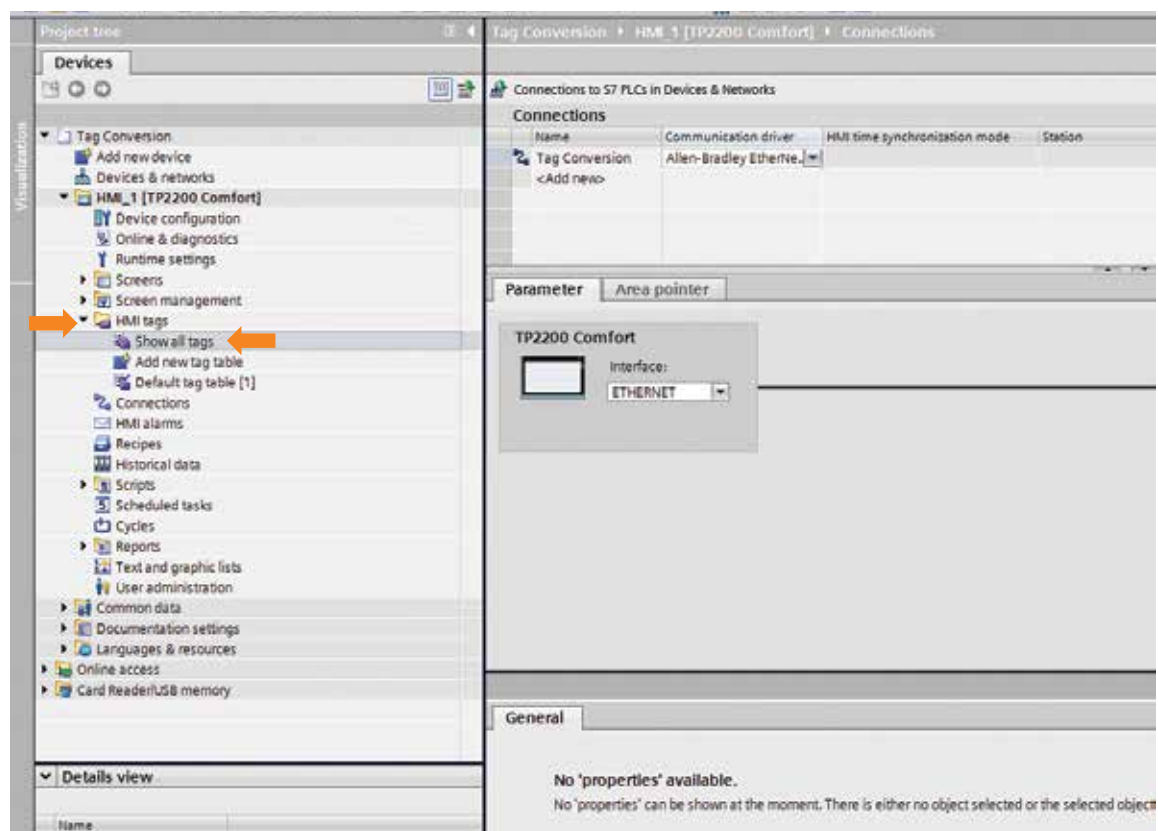**18** Once you have selected everything to convert, click "Convert"

Find out more: **usa.siemens.com/hmi**

19 When the conversion is complete, click the "Conversion log" tab (Here you will see a summary of your tag conversion)
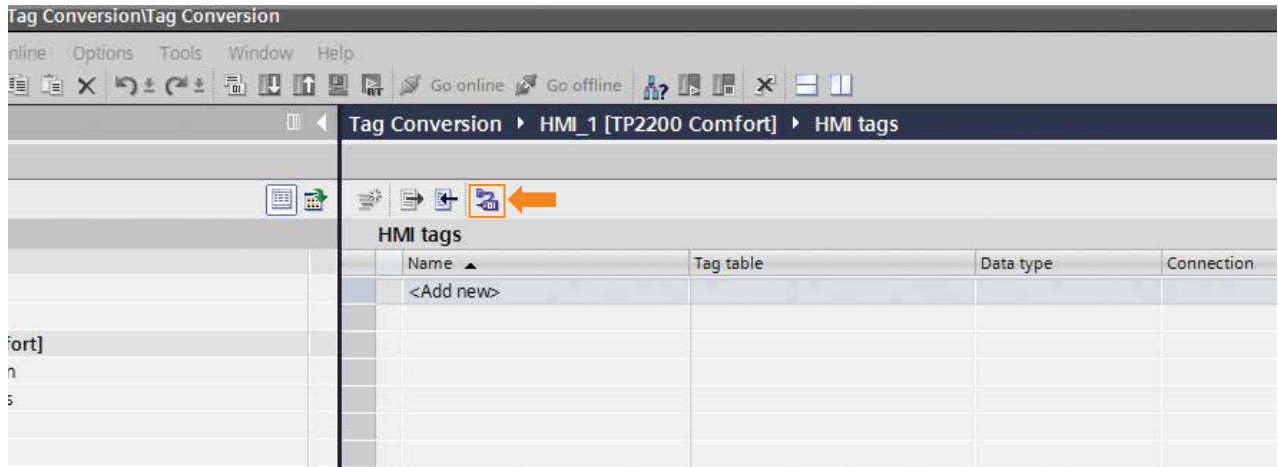

20 Go back to your TIA Portal project – Using the project tree, click "HMI tags" to expand the selection – Then double click "Show all tags"
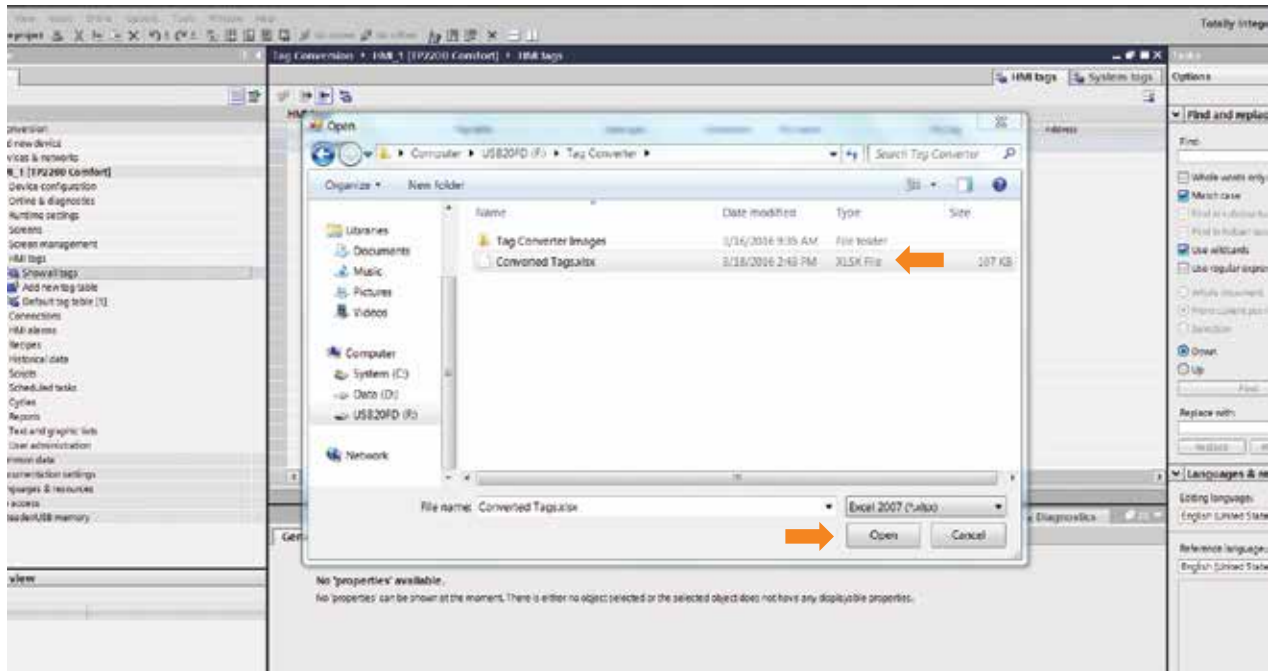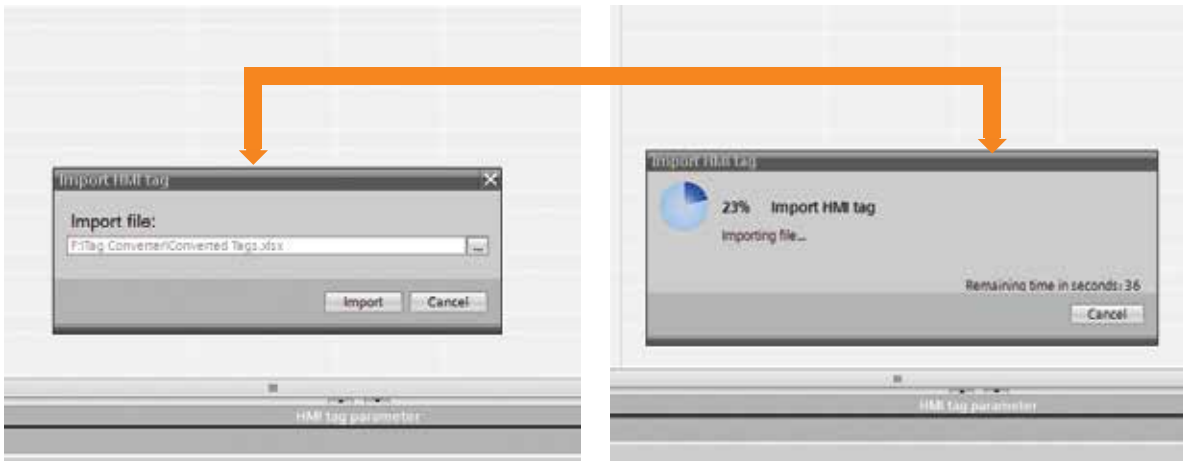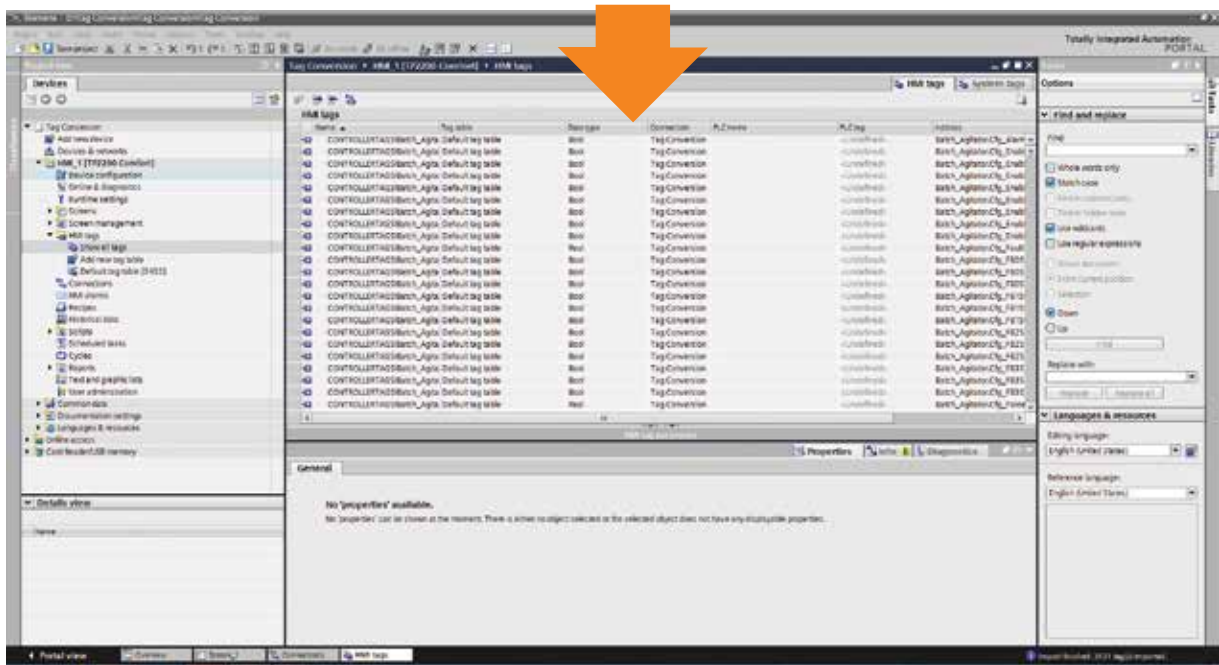
21 Click the import icon

22 Select the excel file you created with your converted tags – Click "Open"

23 Click "Import"

24 Once the import has completed, you can view all your converted tags inside WinCC

Contact Siemens today for a free consultation!

Locate a Siemens Migration Partner near you by calling 1-888-454-4704 or visiting the web:

• Siemens Sales Representative:
  www.usa.siemens.com/saleslocator

• Siemens Distributor:
  www.usa.siemens.com/distributorlocator

• Siemens Solution Partner:
  www.usa.siemens.com/solutionpartnerlocator

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