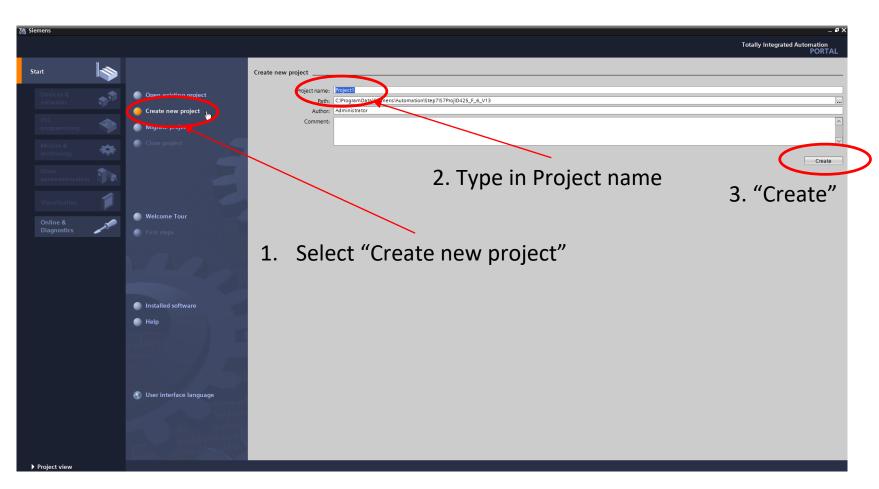


ProfiNet Absolute Encoder Quick Start Manual



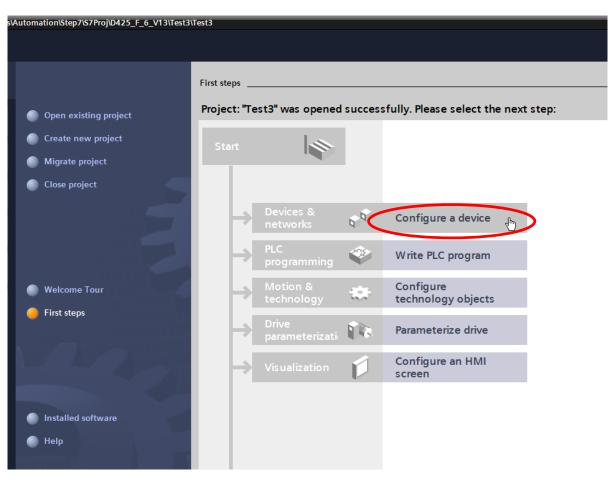


1. Create a Project



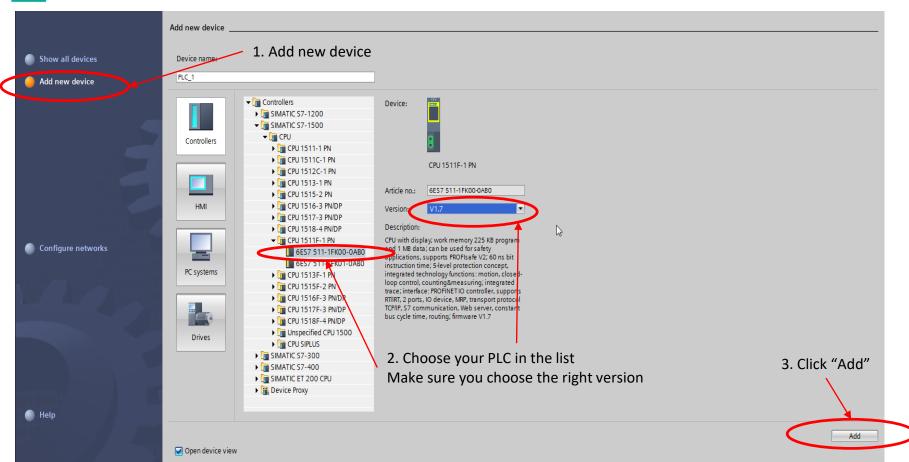


2. Configure a device





3. Choose the PLC

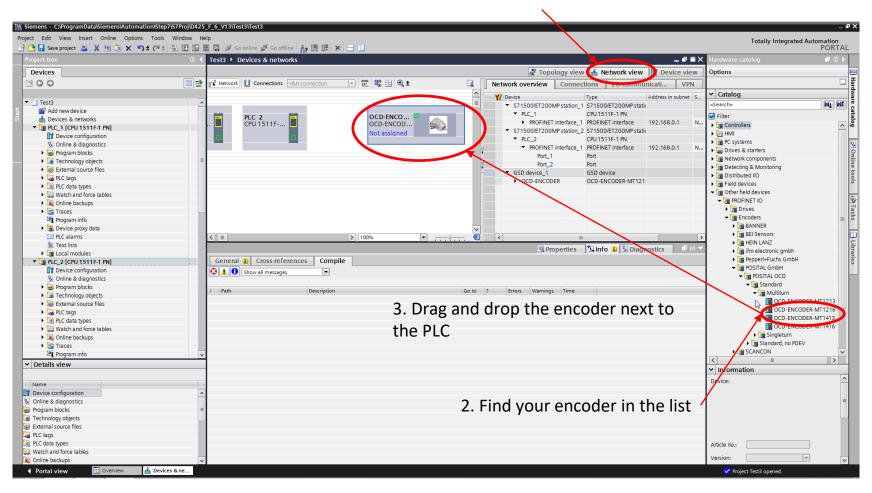




>

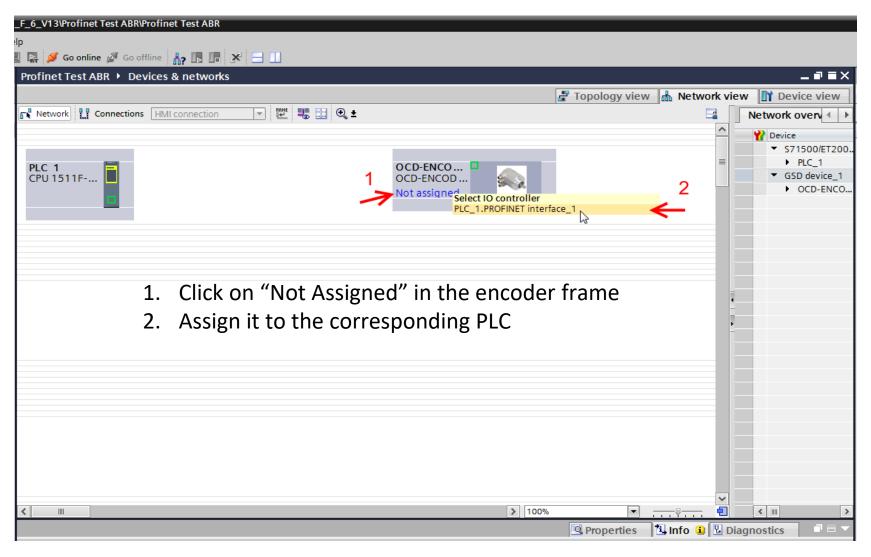
4. Add the encoder

1. Go to "Network view" tab





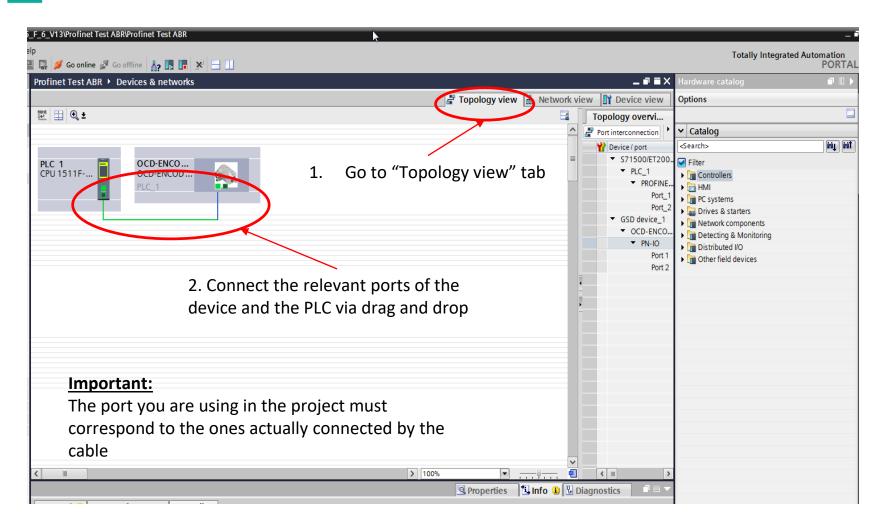
5. Assign the encoder to the PLC





>

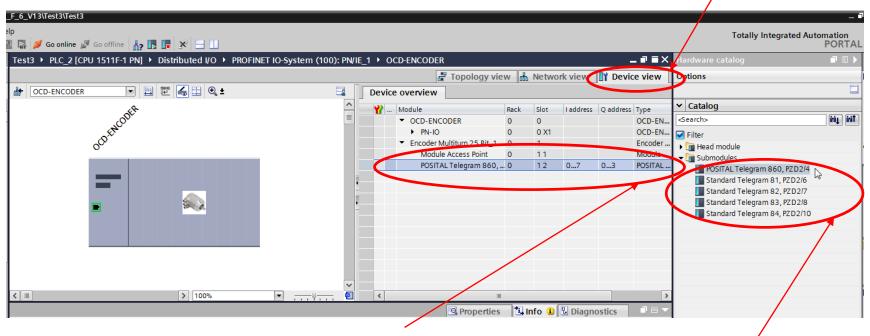
6. Establish a connection





7. Choose the Telegram to be used

1. Go to the "Device View" Tab



3. Drag and drop the telegram on a free line

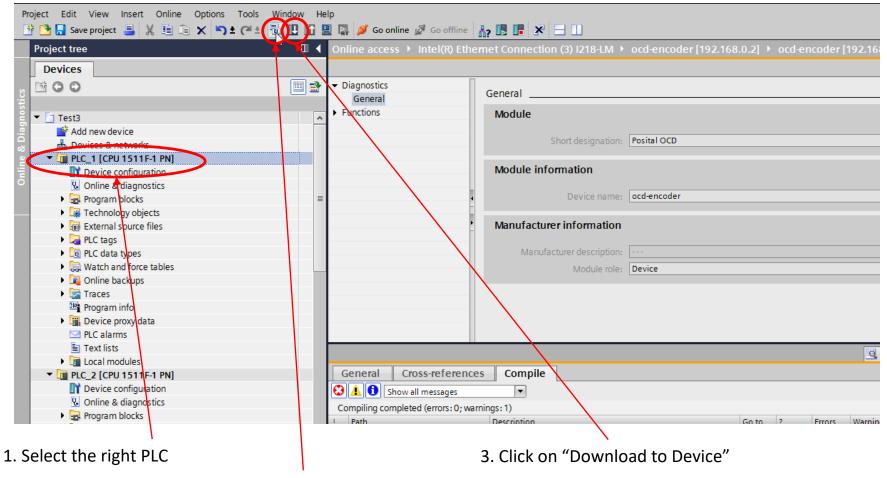
2. Choose the Telegram you want to use in the list

Important:

We recommend to use the Telegram 860



8. Compile and Download Settings

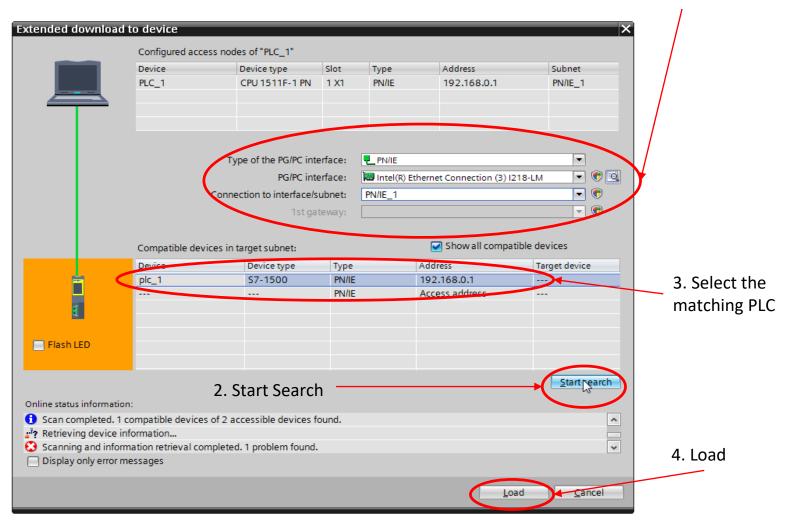


2. Click on "Compile"



9. Assign Address & Name

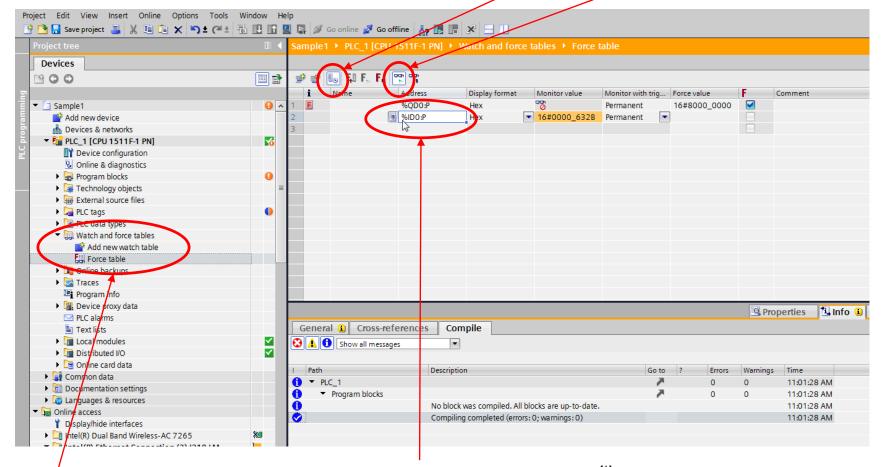
1. Set the interface information



POSITAL

10. Monitor Position & Velocity^(*)

- 3. Click on "Show/Hide"
 - 4. Click on "Monitor value"



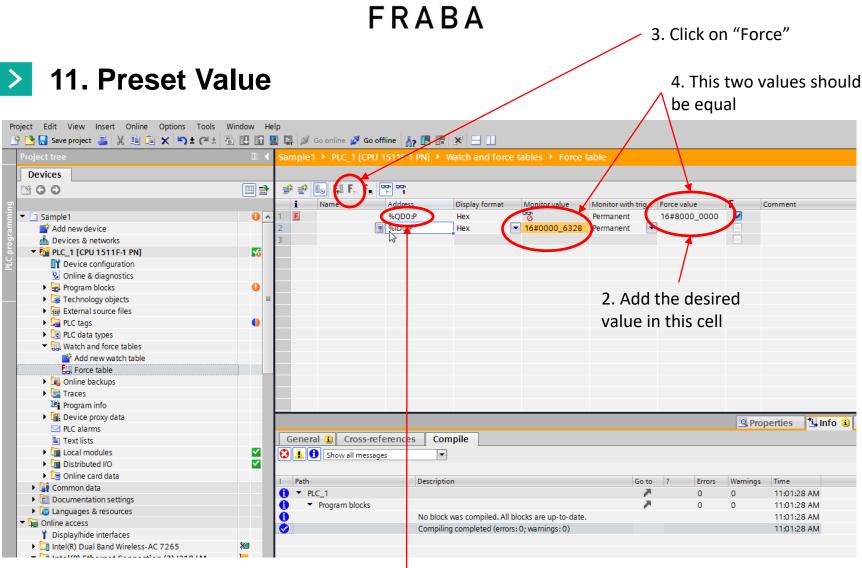
1. Go in "Force table"

- 2. In a free row, add:
- "%ID0" to monitor the position
- "%ID4" to monitor the velocity

^(*)Important:

The values in red depend on the chosen Telegram (here given for Telegram 860).

<u>POSITAL</u>



1. In a free row, add "%QD0" to set the preset position value

(*)Important:

The value in red depend on the chosen Telegram (here given for Telegram 860).



11. Preset Value Explanations

Referring to step 2. of the previous slide:

The position value that you set in the cell will be defined as the new position value just after you force the value.

The easiest way of defining it is to:

- Physically set the system (or at least the encoder) to its desired 0 position,
- In the cell of the step 2., set 0 as the position and the highest bit as high, choosing one of these formats:
 - In Hexadecimal (HEX): 16#8000 0000
 - In Binary (BIN): 16#1000 0000 0000 0000 0000 0000 0000

We recommend to use the Hexadecimal values.

As it is shorter it is less likely to lead to mistakes.