FACTORI 4.0 Erasmus +

Co-funded by the Erasmus+ Programme of the European Union

Physical PLC, Analog configuration, HMI setting

Kanthanet THAROT

November 2022, Chiang Rai, Thailand
(Updated 07/03/2023,
Updated 17/03/2023,
Updated 25/5/2023)

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RUN/STOP PLC

Setting

Select "STOP"

Config below:

- IP address
- Date & Time

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IP Address

Address

X1

X1 configuration

- IP address
  - Assign IP address
  - Subnet mark
  - Router

Successfully applied

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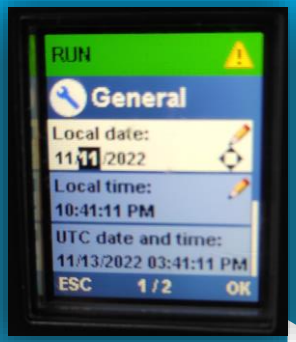
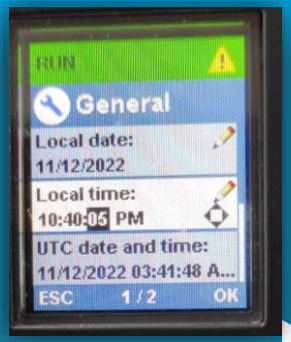
Date & Time

Please change the date and time according to your local

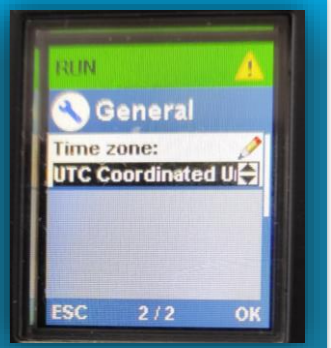
Local date



Local time



Time zone



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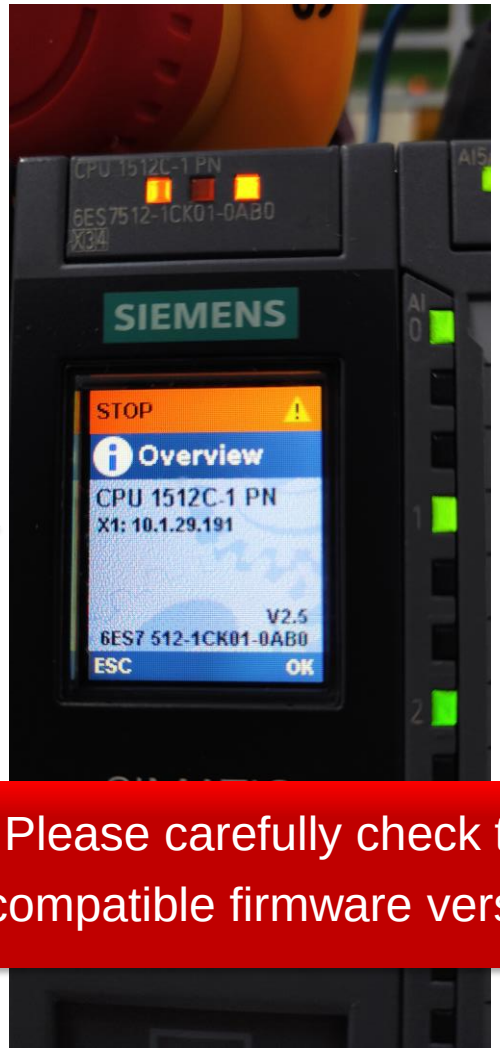
Overview & Firmware version



Please carefully check the compatible firmware version

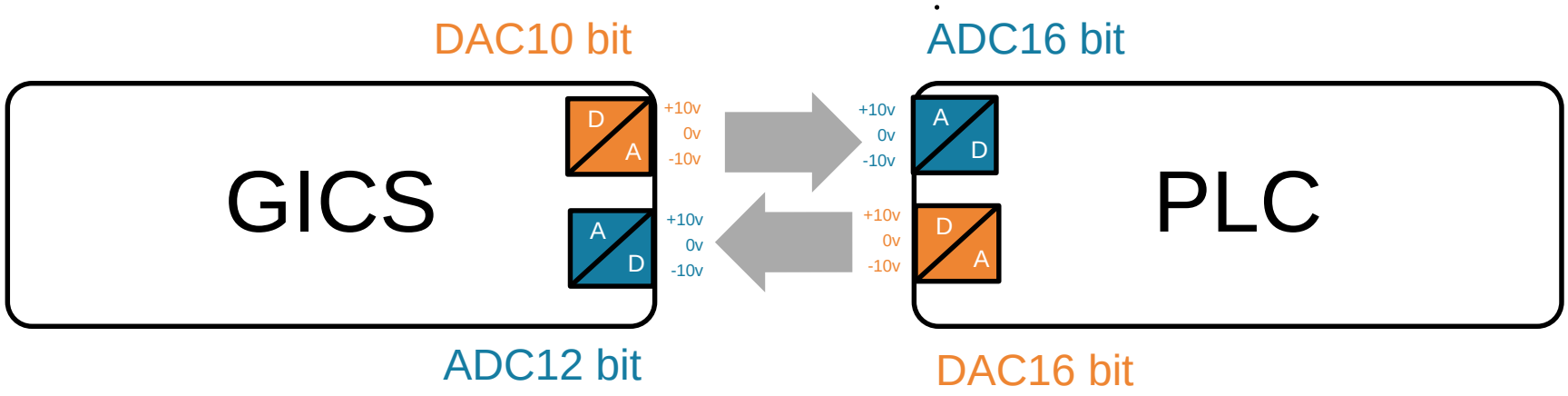
- Overview
- CPU id
- IP Address
- Firmware version

!

Analog configuration

November 2022, Chiang Rai, Thailand (Updated 25/05/2023)

Diagram of GICS and PLC



10 bits = 0 – 1023

12 bits = 0 – 4095

16 bits = 0 – 65535

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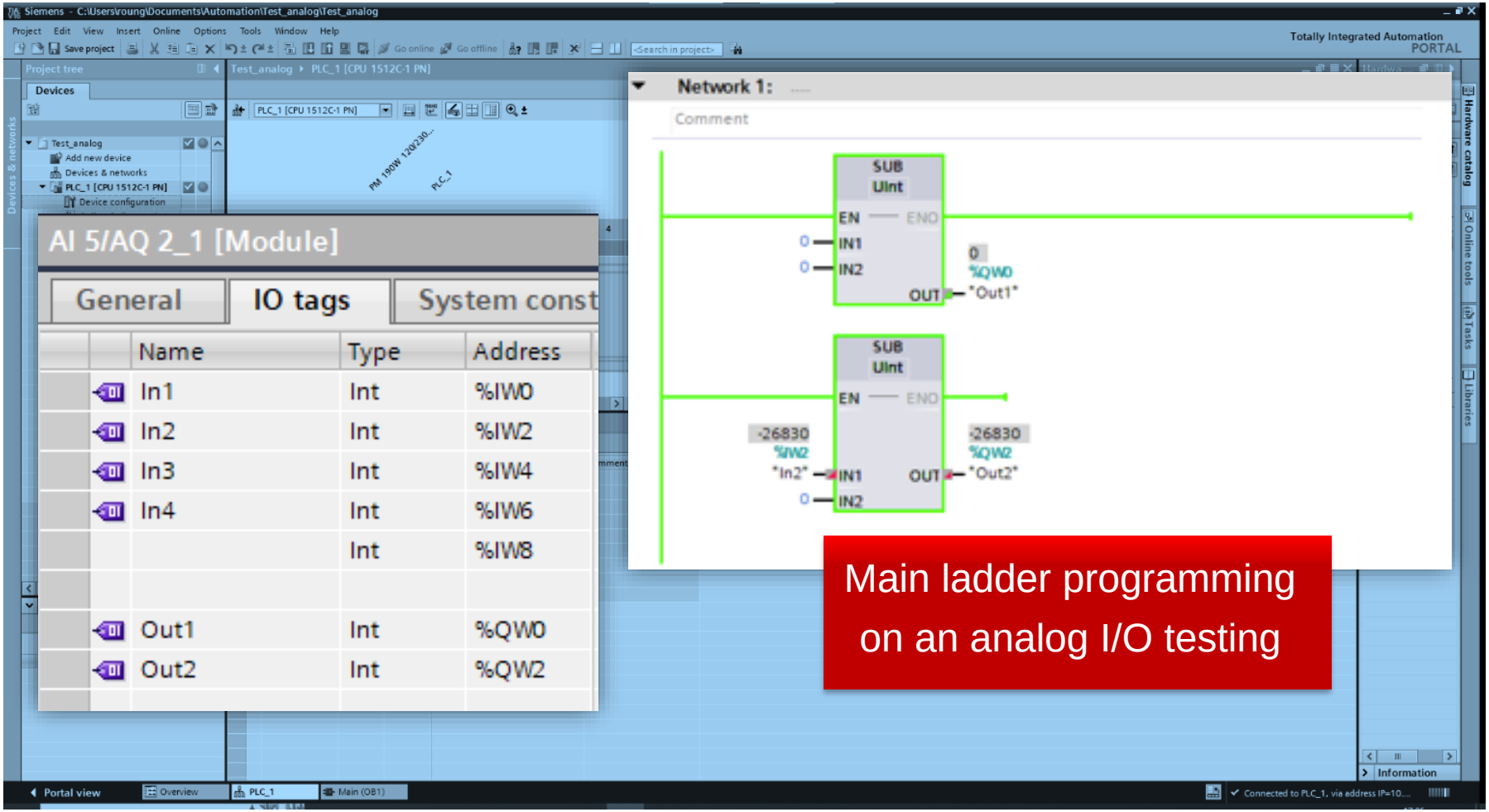
Test on analog configuration



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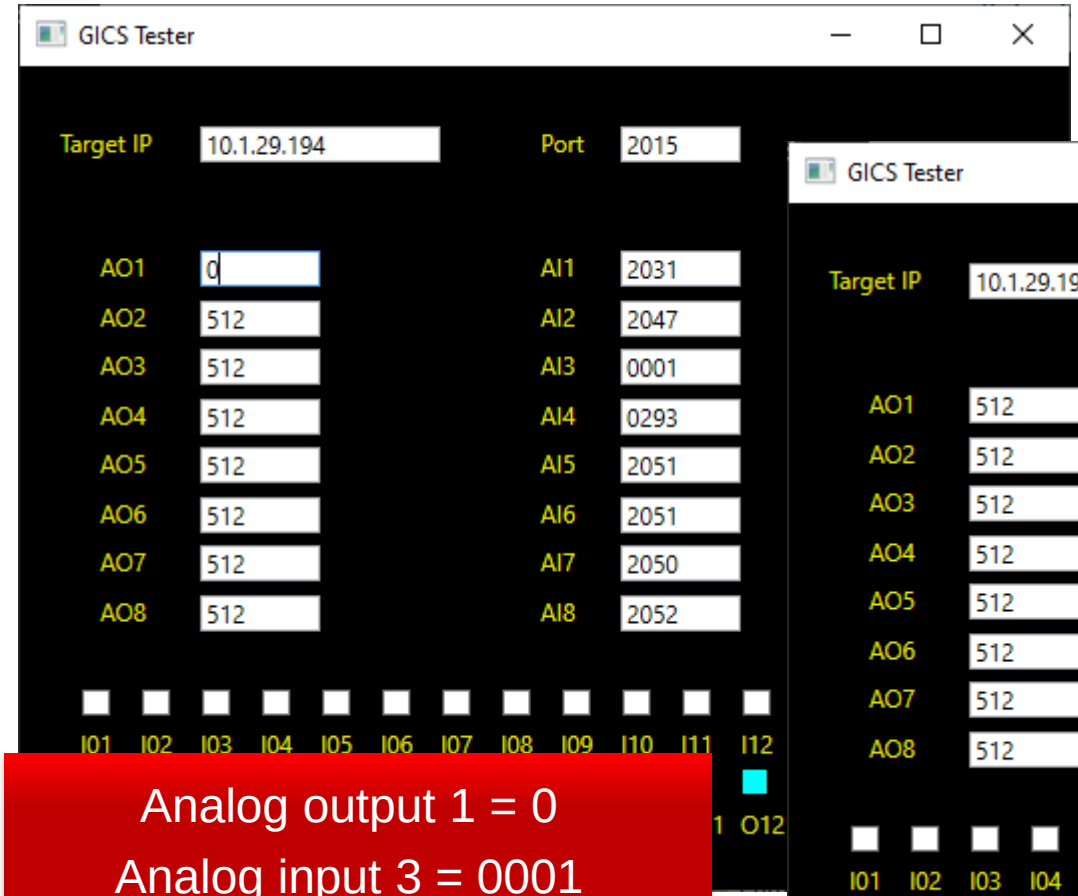
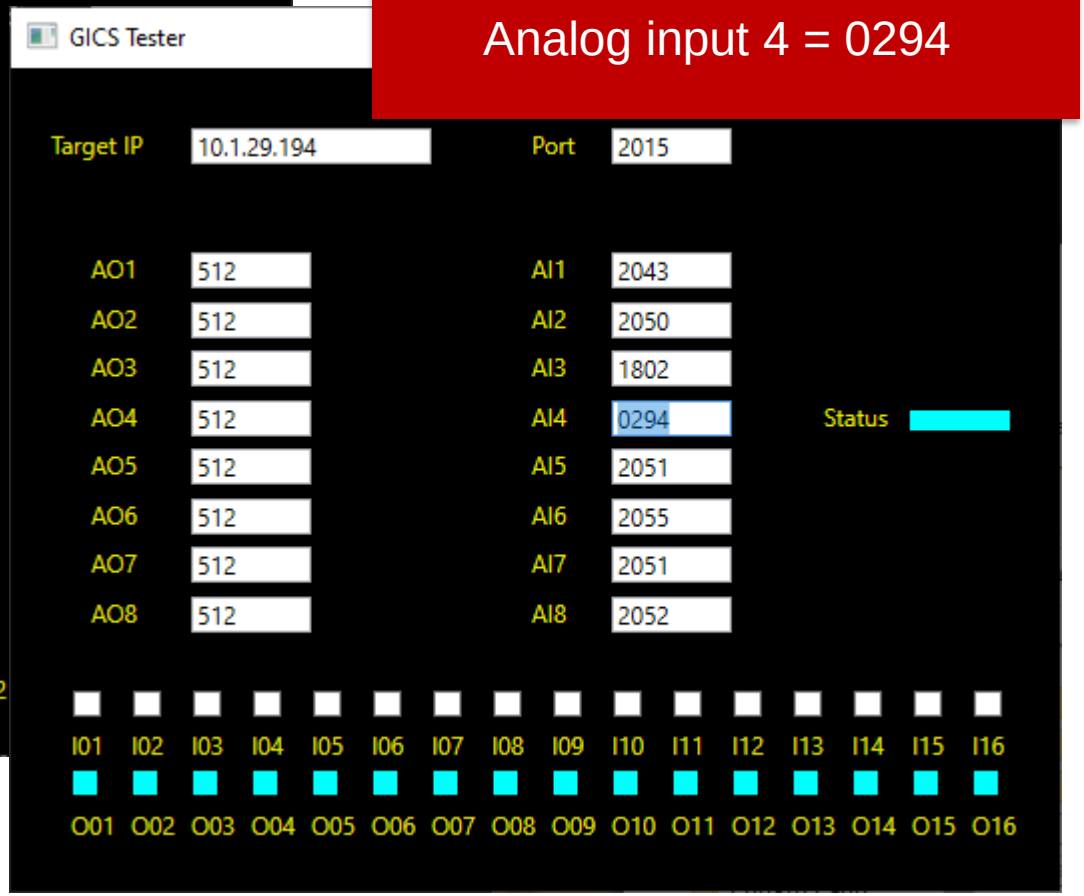
GICS Tester interface (output 0,512)



Analog output 1 = 0
Analog input 3 = 0001
Analog input 4 = 0293



Analog output 1 = 512
Analog input 3 = 1802
Analog input 4 = 0294

GICS Tester interface (output 1023,1025)

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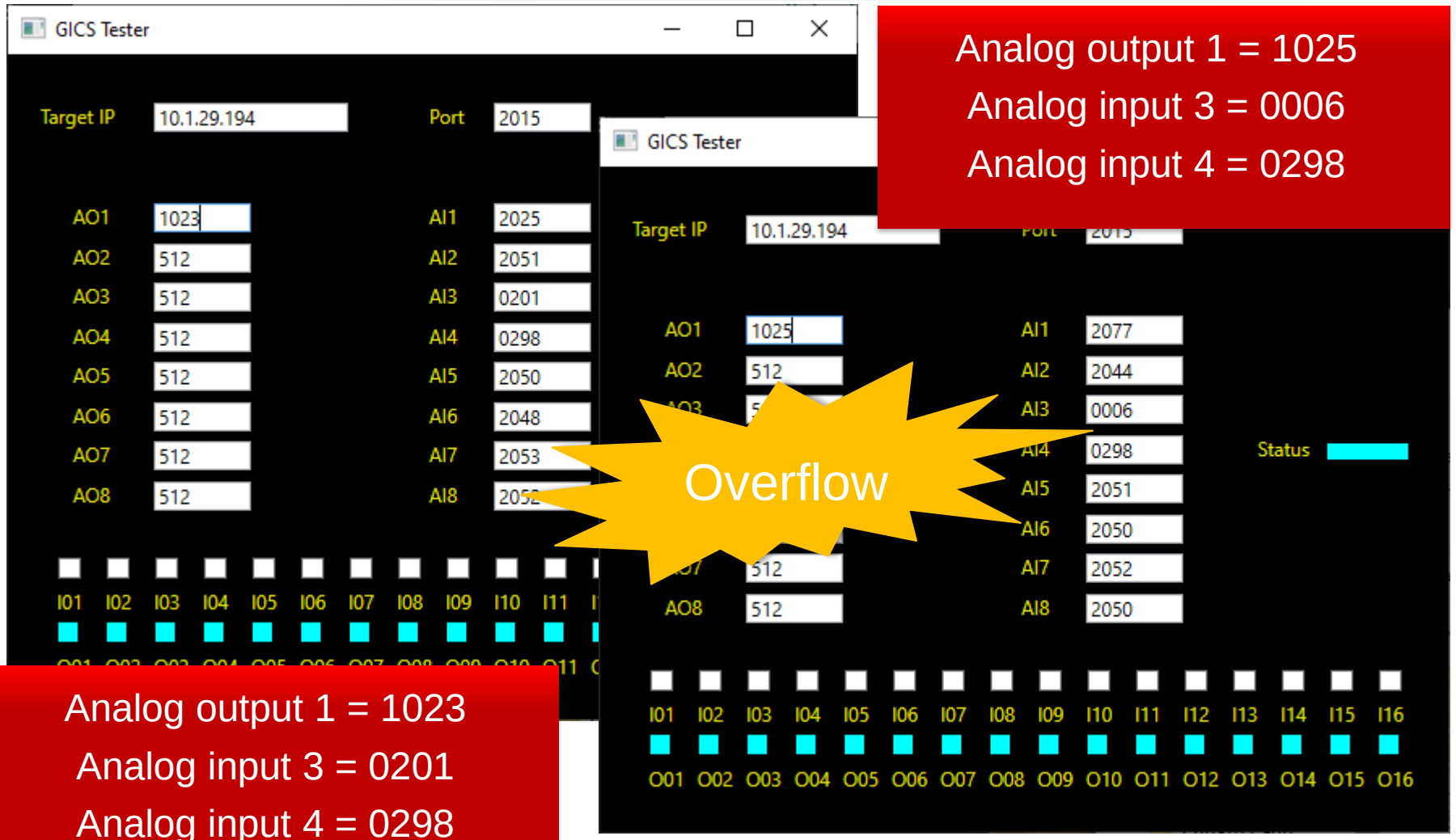


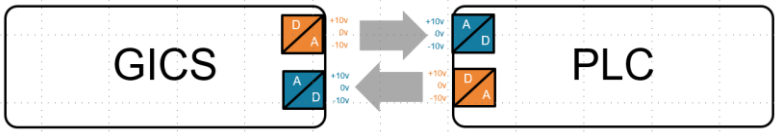
Analog output 1 = 1025
Analog input 3 = 0006
Analog input 4 = 0298

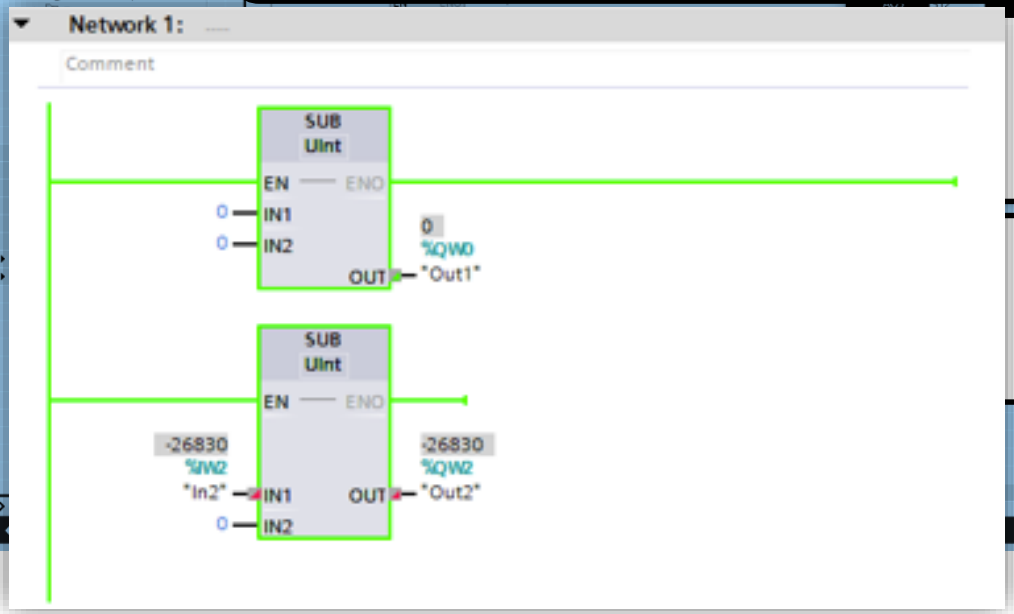
Analog output 1 = 1023
Analog input 3 = 0201
Analog input 4 = 0298

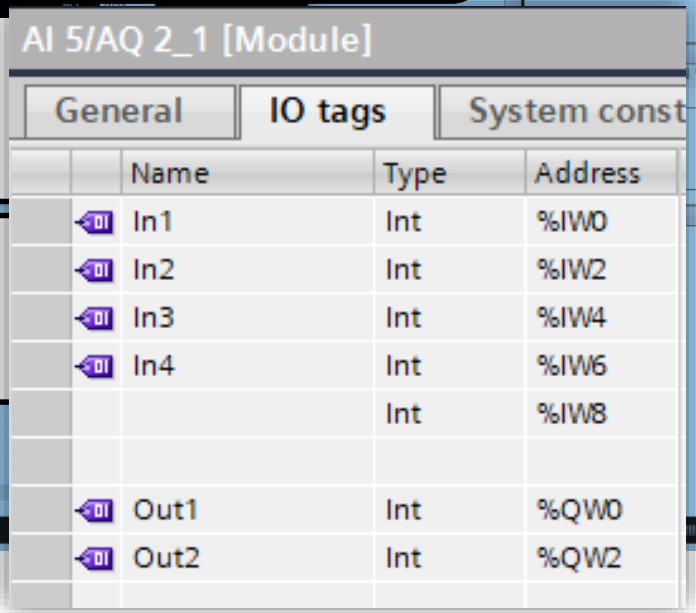
Summary

Controlling 4 inputs PLC to GICS card are working well on the 2 analog output of PLC

Analog diagram





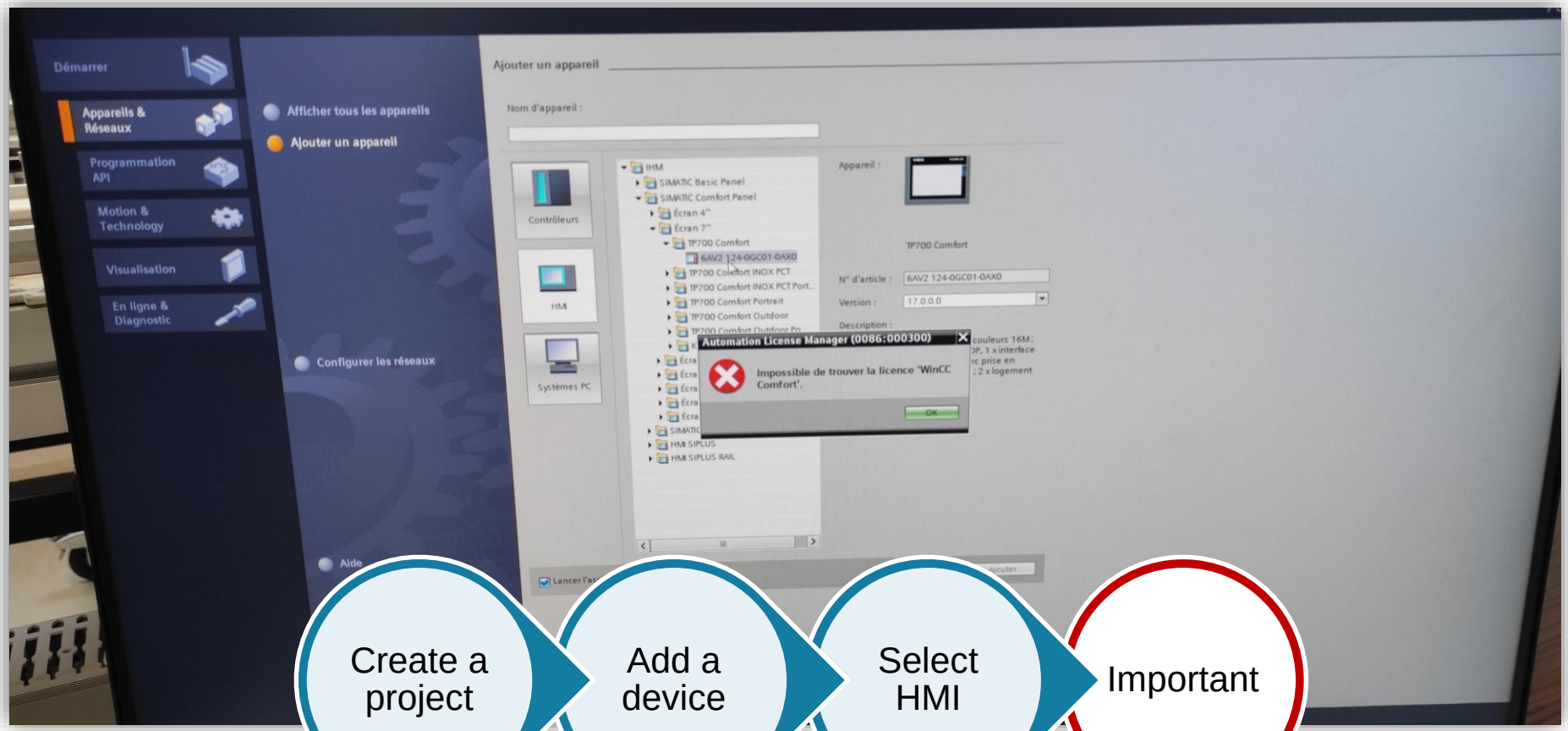


HMI testing

February 28th , 2023, Grenoble, France

Co-funded by the Erasmus+ Programme of the European Union

Summary



Create a project → Add a device → Select HMI → Important

- SIMATIC Comfort Panel
- Screen 7”
- TP700 Comfort
- 6AV2 124-0GC01-0AX0

- Check a version of firmware (V17)

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HMI device setting for IP Address