Teaching materials Deliverable 1. Platform operation

MISCE project

Mechatronics for Improving and Standardizing Competences in Engineering



Competence: Automation Technology

Workgroup: University of Cagliari

University of Cassino and Southern Lazio





This document corresponds to the first deliverable for the competence "Automation Technology" using the 'Test-Bed_n.5'

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Visit https://misceproject.eu/ for more information.

Document:

operation







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operation



1 How to start

In order to connect the PC with the PLC (for the first time), please select the correct procedure:

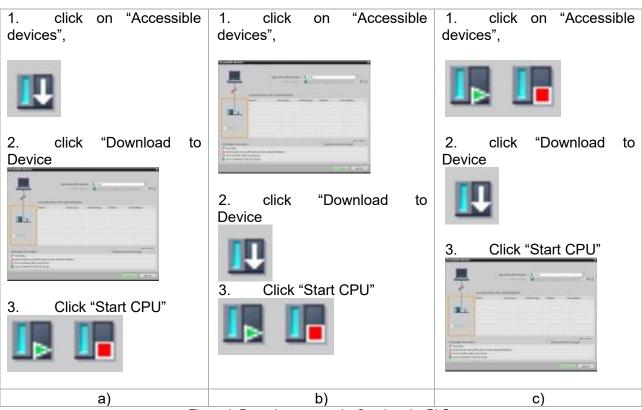


Figure 1. Procedure to start the first time the PLC.

Please write here the correct answer: (a, b, c):
If the PC has been connected previously to the PLC, the procedure will be the same?
□ Yes
□ No
In both case, can you explain your answer?



In order to identify the specific sub-systems, please indicate the valves system :

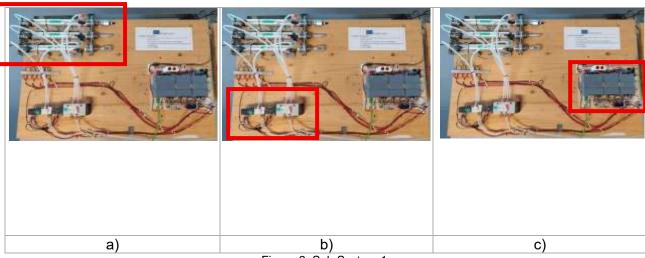


Figure 2. Sub System 1.
Please write here the correct answer: (a, b, c):
If we remove this sub-system, the PLC, will work in the same way?
□ Yes
□ No
□ Not possible to answer
In all cases, can you explain your answer?



In order to identify the specific sub-systems, please indicate the PLC system :

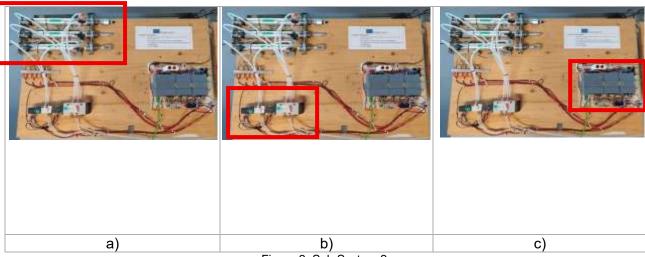


Figure 2. Sub System 2.

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Please write here the correct answer: (a, b, c):	
If we remove this sub-system, the PLC, will work in the same way?	
□ Yes	
□ No	
□ Not possible to answer	
In all cases, can you explain your answer?	



In order to identify the specific sub-systems, please indicate the pneumatic cylinder :

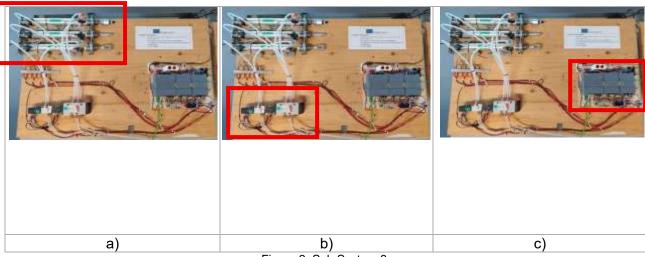


Figure 2. Sub System 3.

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Please write here the correct answer: (a, b, c):		
If we remove this sub-system, the PLC, will work in the same way?		
□ Yes		
□ No		
□ Not possible to answer		
In all cases, can you explain your answer?		



In order to identify the specific sub-systems, please indicate the pneumatic cylinder:

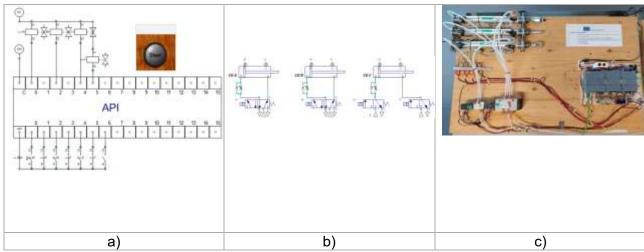


Figure 2. Sub System 4.

Please write here the correct answer: (a, b, c):
If we remove this sub-system, the PLC, will work in the same way?
□ Yes
□ No
☐ Not possible to answer
In all cases, can you explain your answer?



6 Start the System from virtual HMI

In order to run from "Virtual HMI" the automatic system, please select the correct button to press:

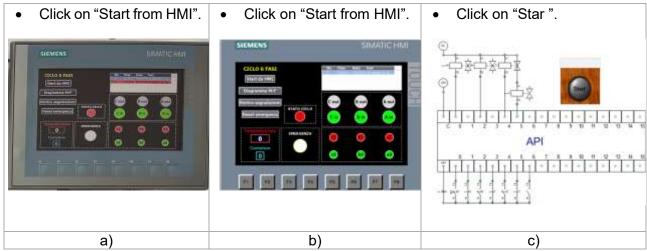


Figure 4. Start from virtual HMI.

correct answer: (a, b, c):
