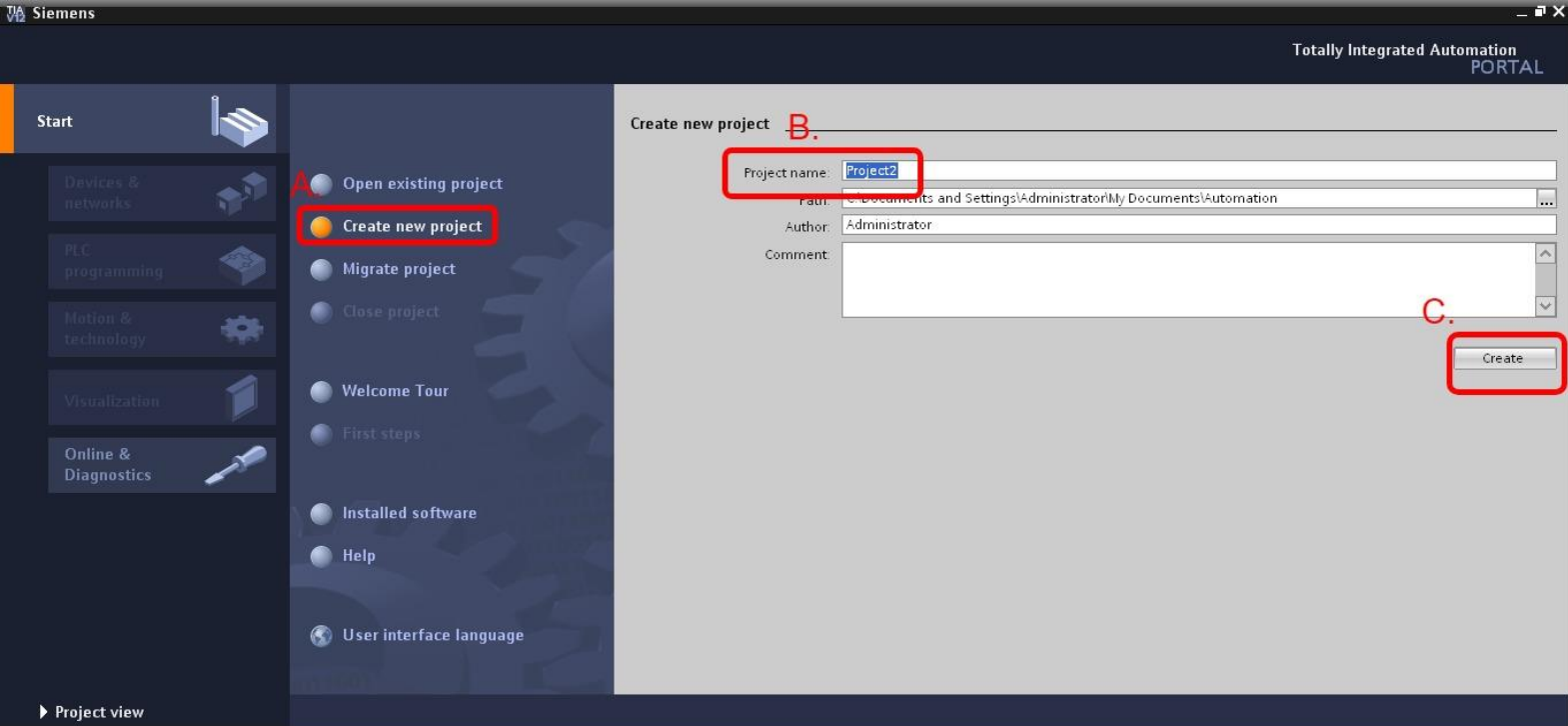


GW-7553 and SIMATIC STEP 7(TIA Portal) Configurations

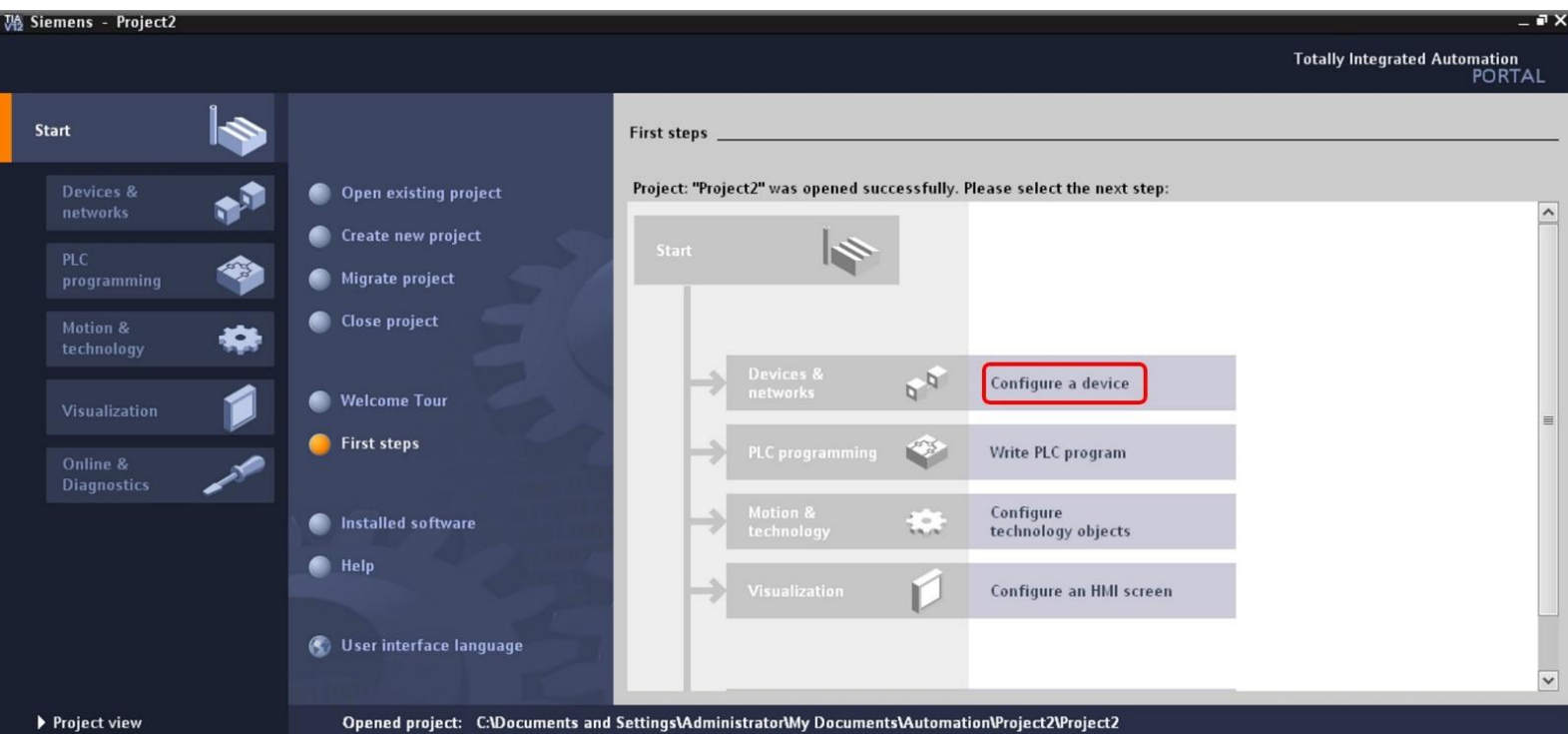
1. Double click "TIA Portal" icon.



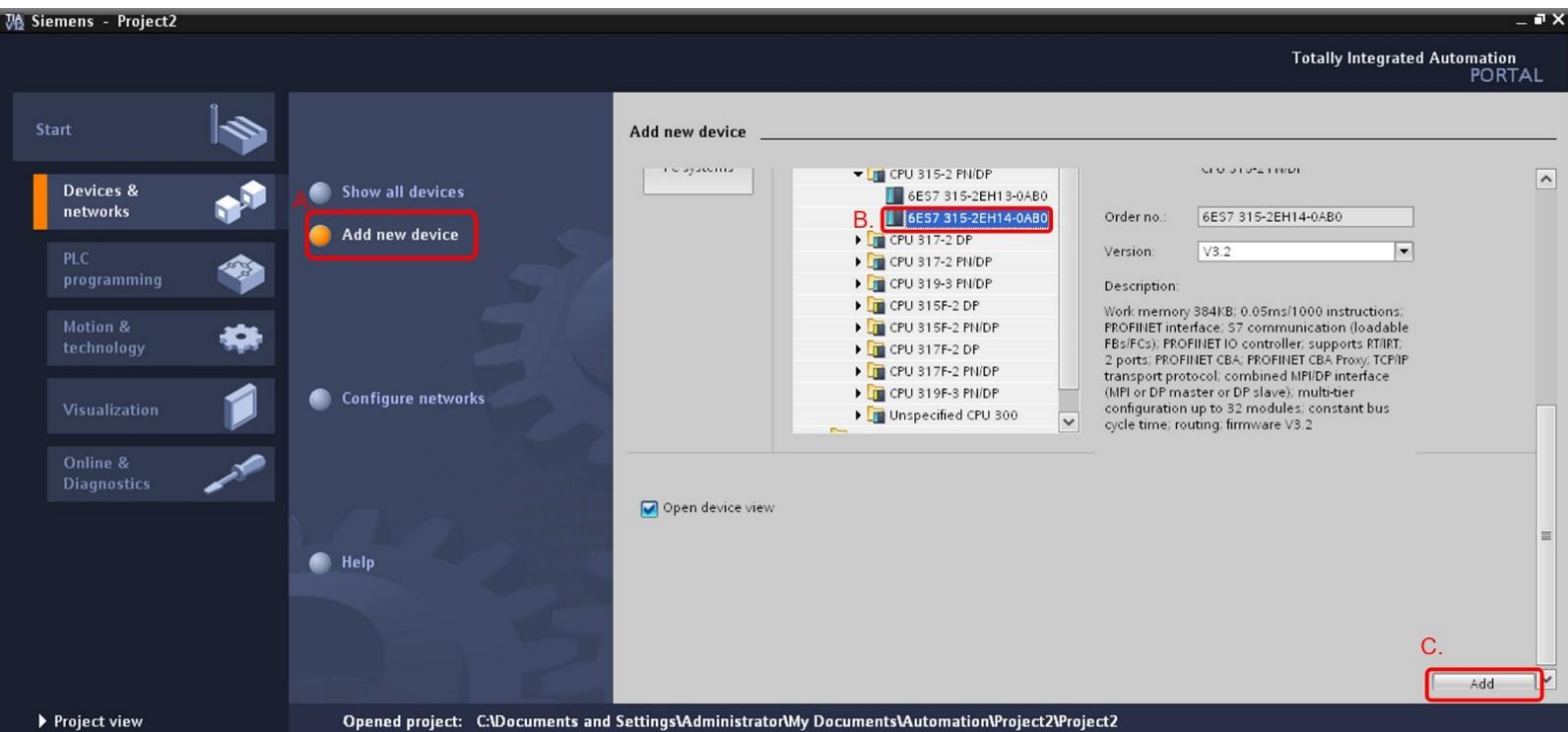
2. (A) Select "Create new project"
(B) Set project name and click "Create"



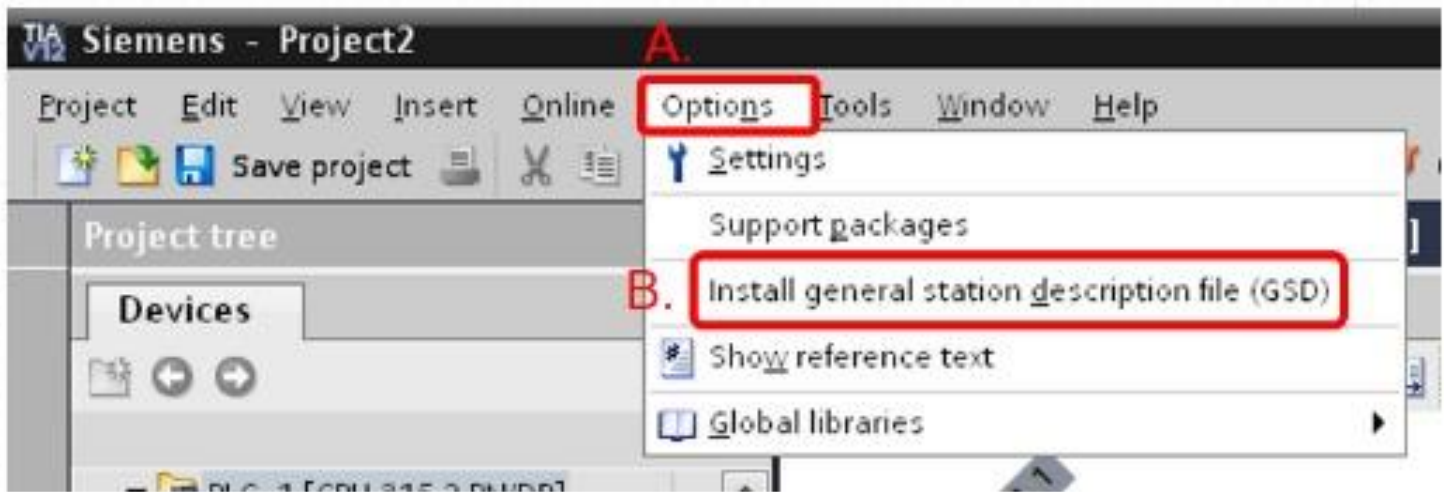
3. Select "Configure a device"



- 4. (A) Select "Add new device"
- (B) Select your PLC type and click "Add"



5. Click “Options” and then click “Install general station description file(GSD)”

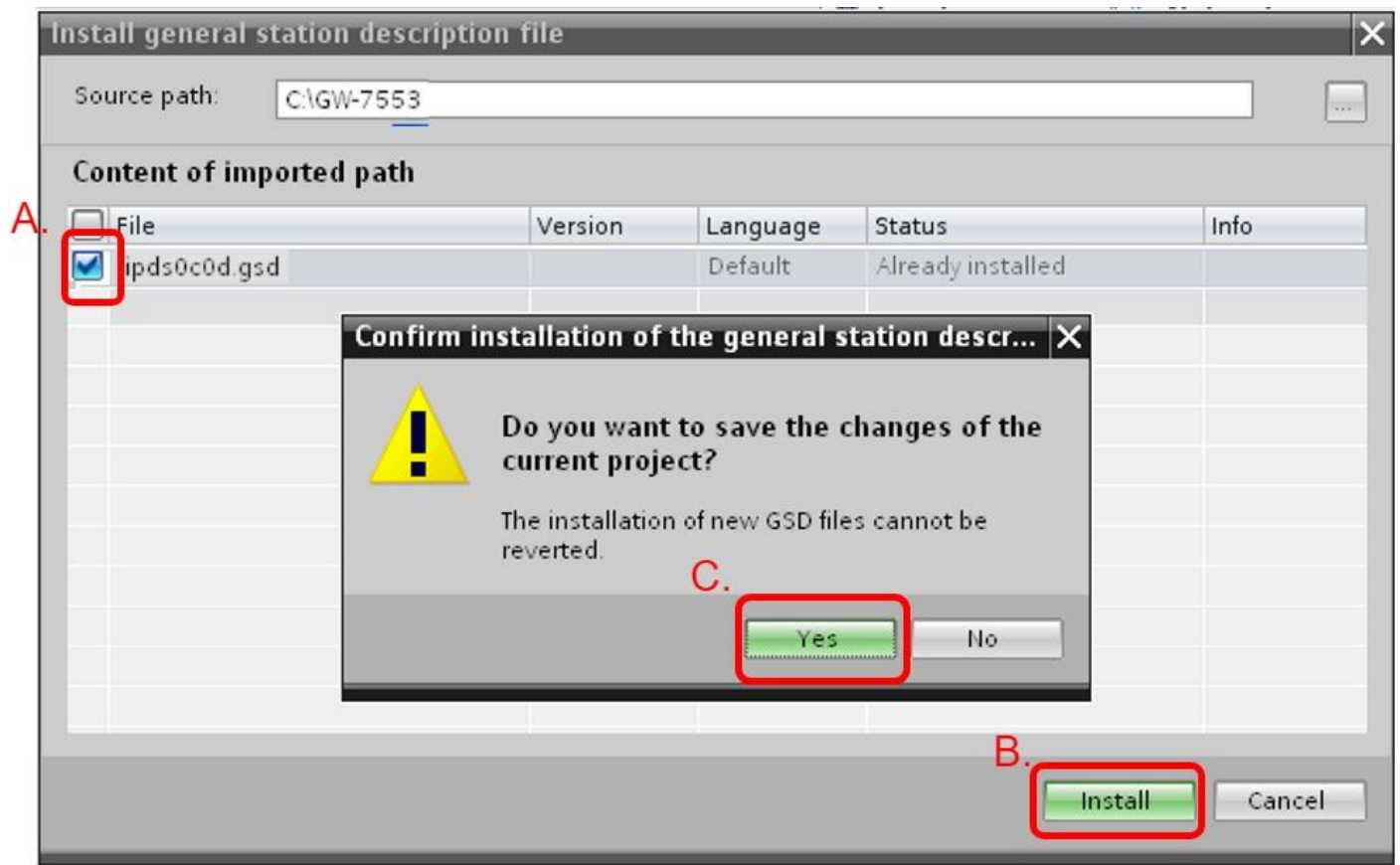


6. (A) Click “...”

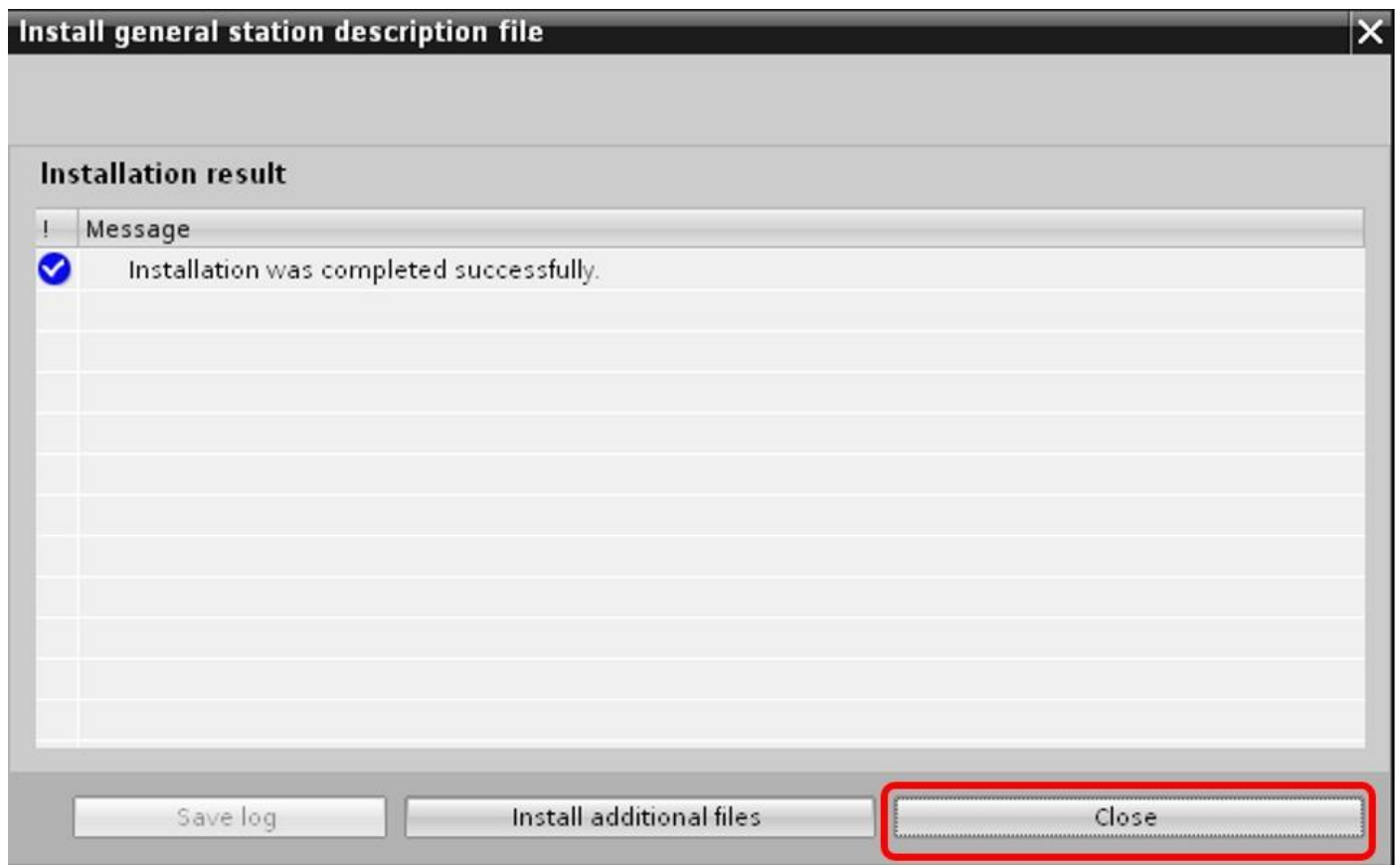
(B) Select the directory of GW-7553’s GSD file(ipds0c0d.gsd) and click”OK”



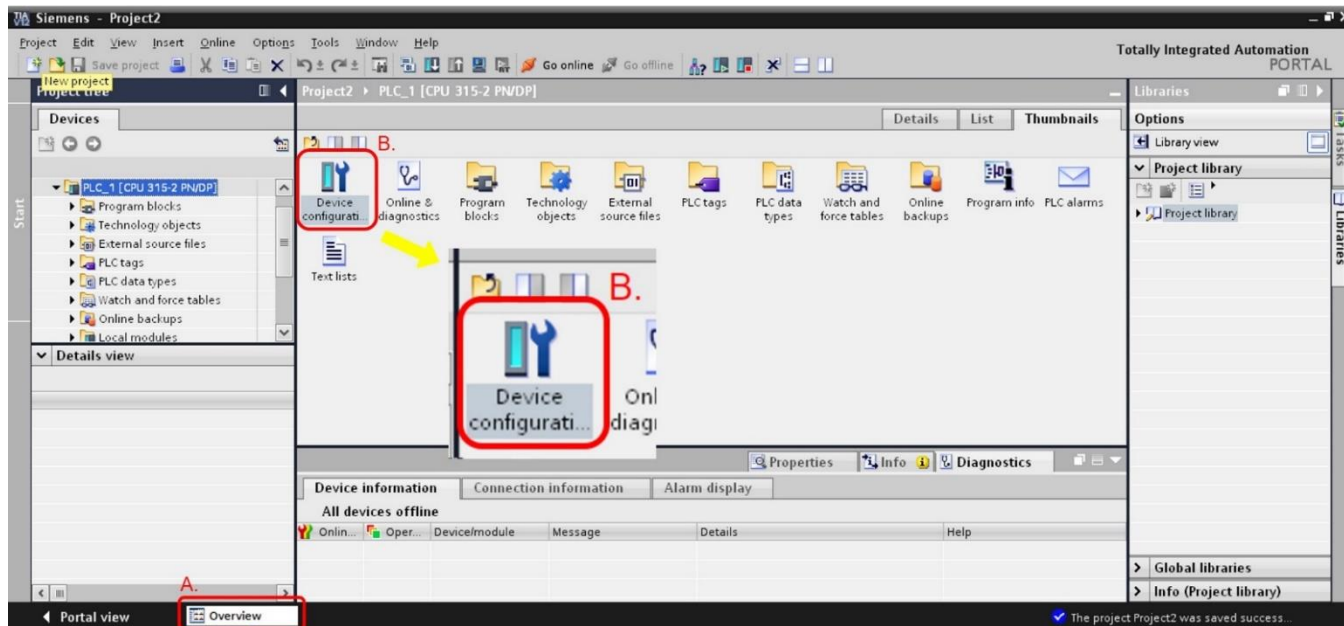
7. (A) Tick the item of GW-7553 GSD file
(B) Click "Install" and then click "Yes"



8. Click "close"



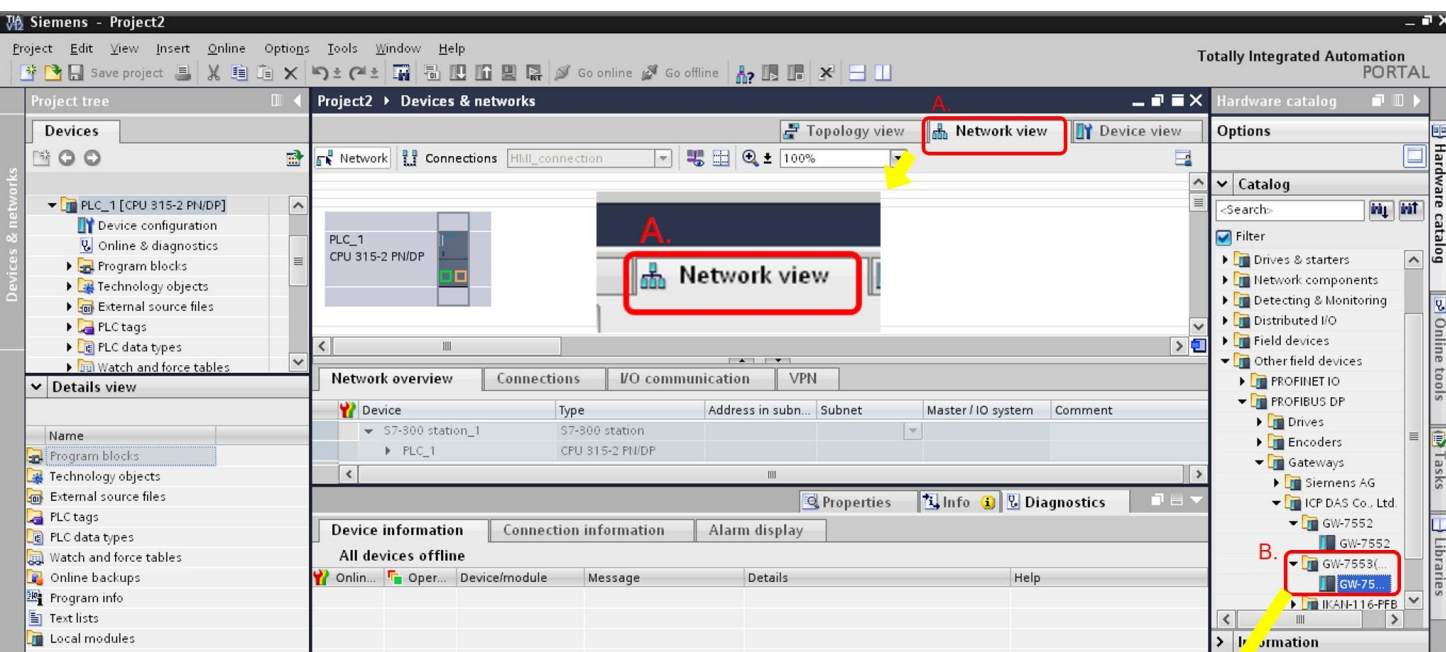
9. Click "Overview" and then click "Device Configuration"



10. (A) Click "Network view" and confirm GW-7553 is available in "Catalog"

(B) The path of GW-7553 in "Catalog" :

"Other field devices" → "PROFIBUS DP" → "Gateways" → "ICP DAS Co. Ltd" → "GW-7553"



11. (A) Double click "GW-7553"

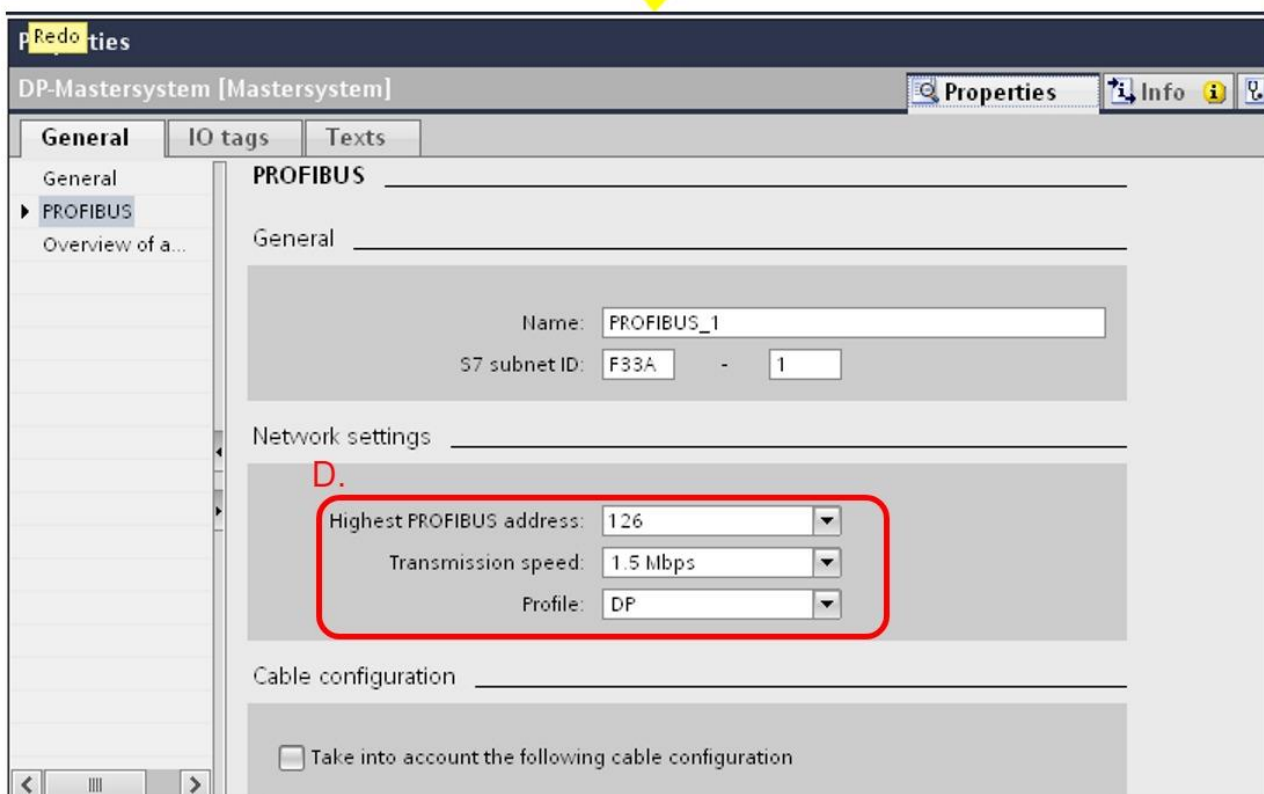
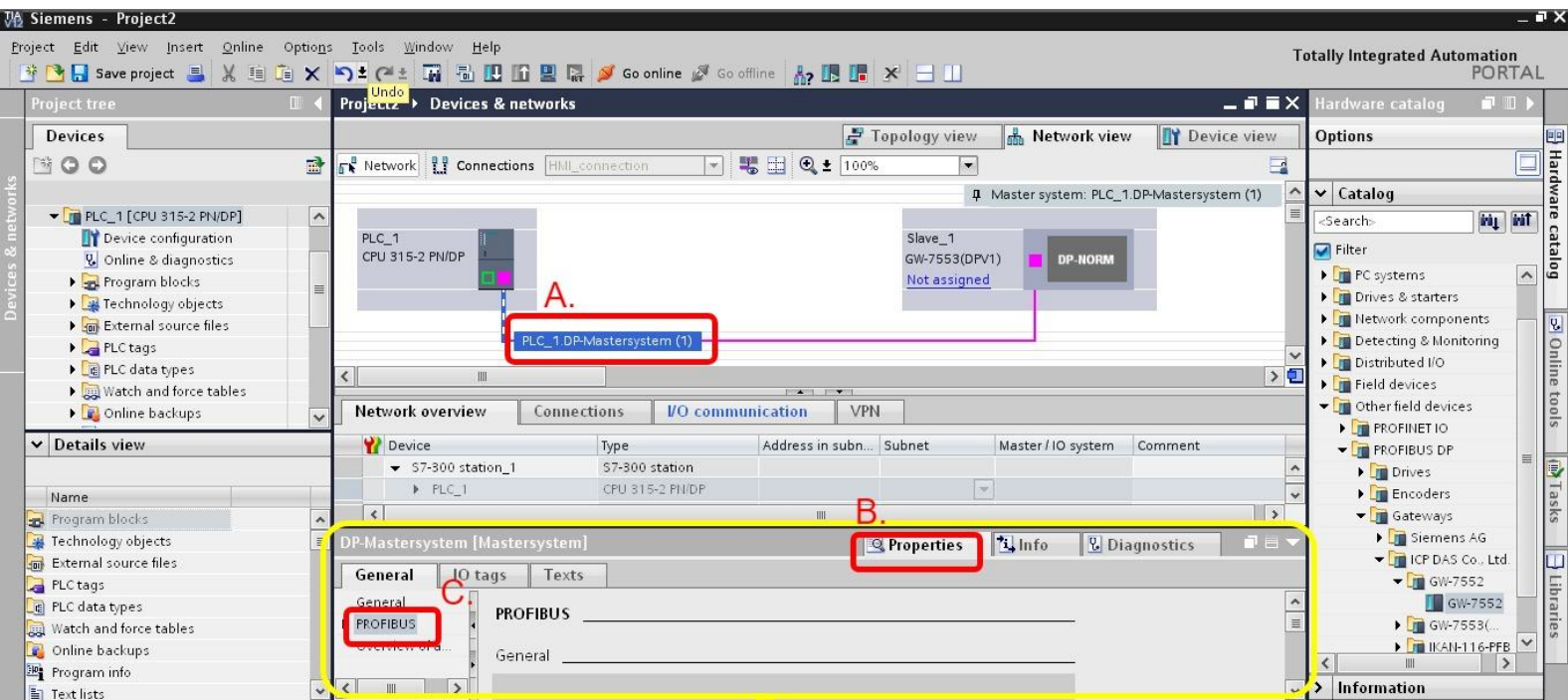
(B) hold down the block which is PROFIBUS DP interface in PLC and move the mouse cursor to the block of GW-7553.

The screenshot shows the SIMATIC Manager interface for a project named 'Project2'. The main window is in 'Network view' and displays a network topology. On the left, there is a 'PLC_1' (CPU 315-2 PN/DP) with a 'DP-Mastersystem (1)' block. On the right, there is a 'Slave_1' (GW-7553(DPV1)) with a 'DP-NORM' block. A red arrow points from the 'DP-NORM' block of the Slave_1 to the 'DP-Mastersystem (1)' block of the PLC_1. A red box labeled 'B.' highlights the 'DP-NORM' block of the Slave_1. Another red box labeled 'B.' highlights the 'DP-Mastersystem (1)' block of the PLC_1. The Hardware catalog on the right shows the 'Catalog' tree with 'PROFIBUS DP' expanded, and 'GW-7553(DPV1)' selected, highlighted with a red box labeled 'A.'. The bottom panel shows 'Network overview' and 'Device information' sections.

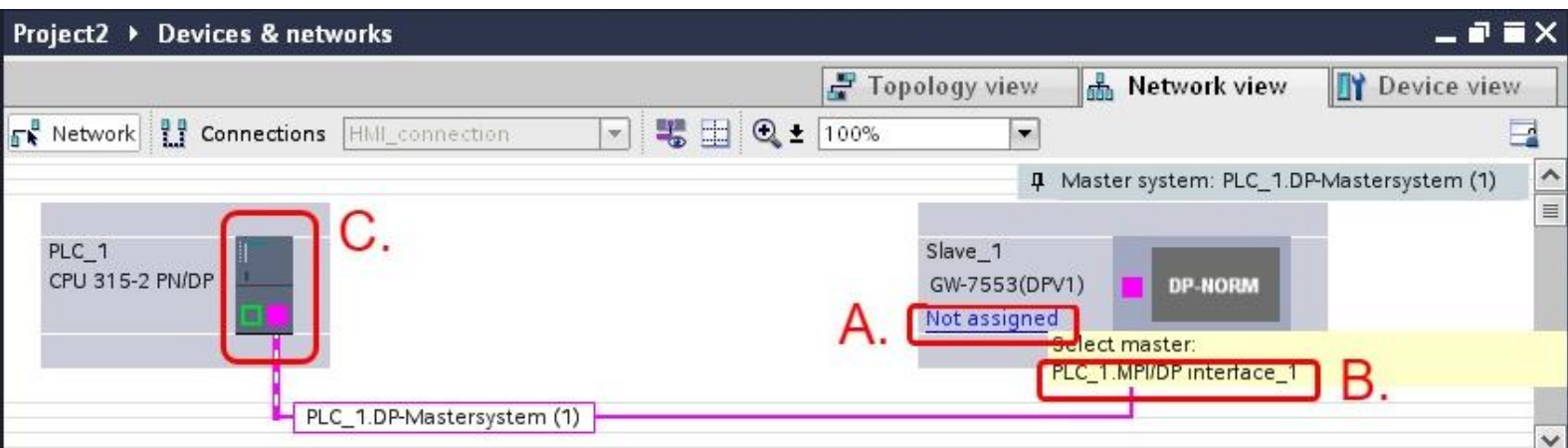
Device	Type	Address in subn...	Subnet	Master /
S7-300 station_1	S7-300 station			
PLC_1	CPU 315-2 PN/DP			

Onlin...	Oper...	Device/module	Message	Details

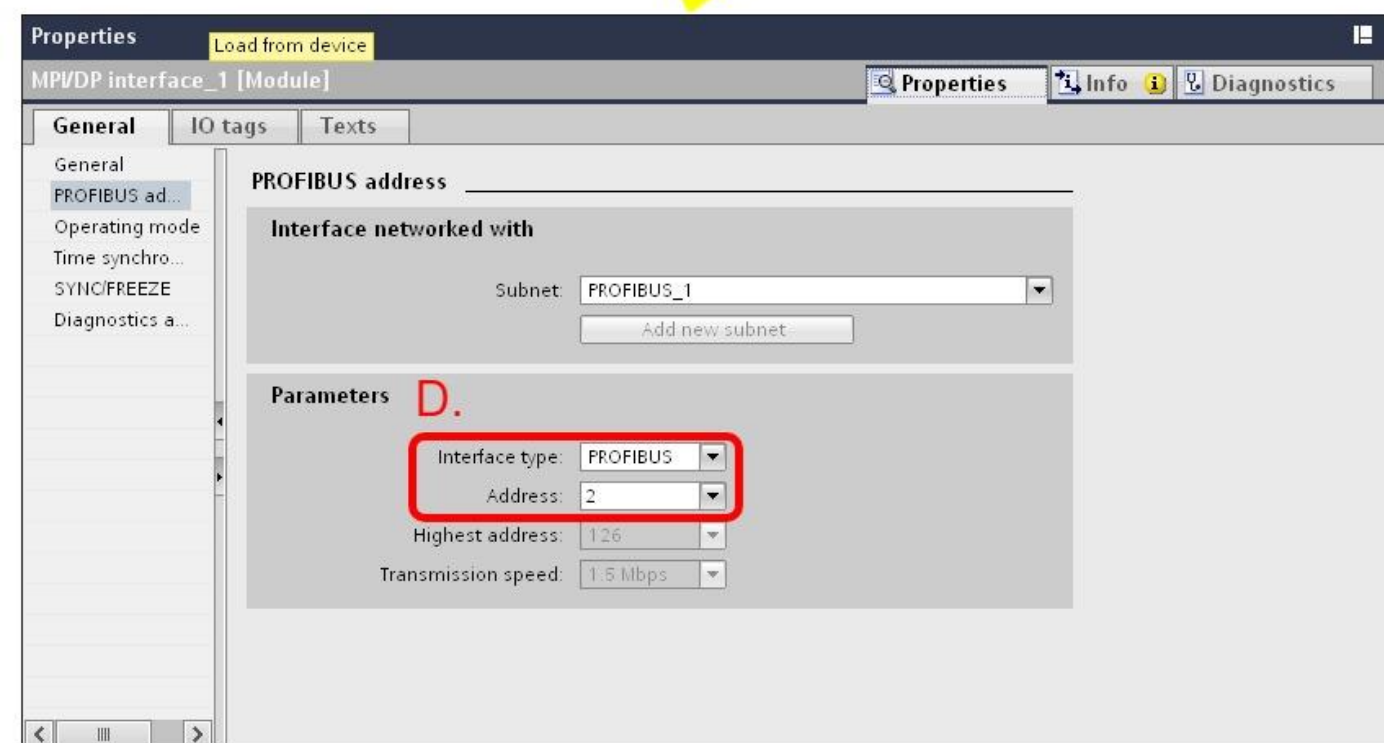
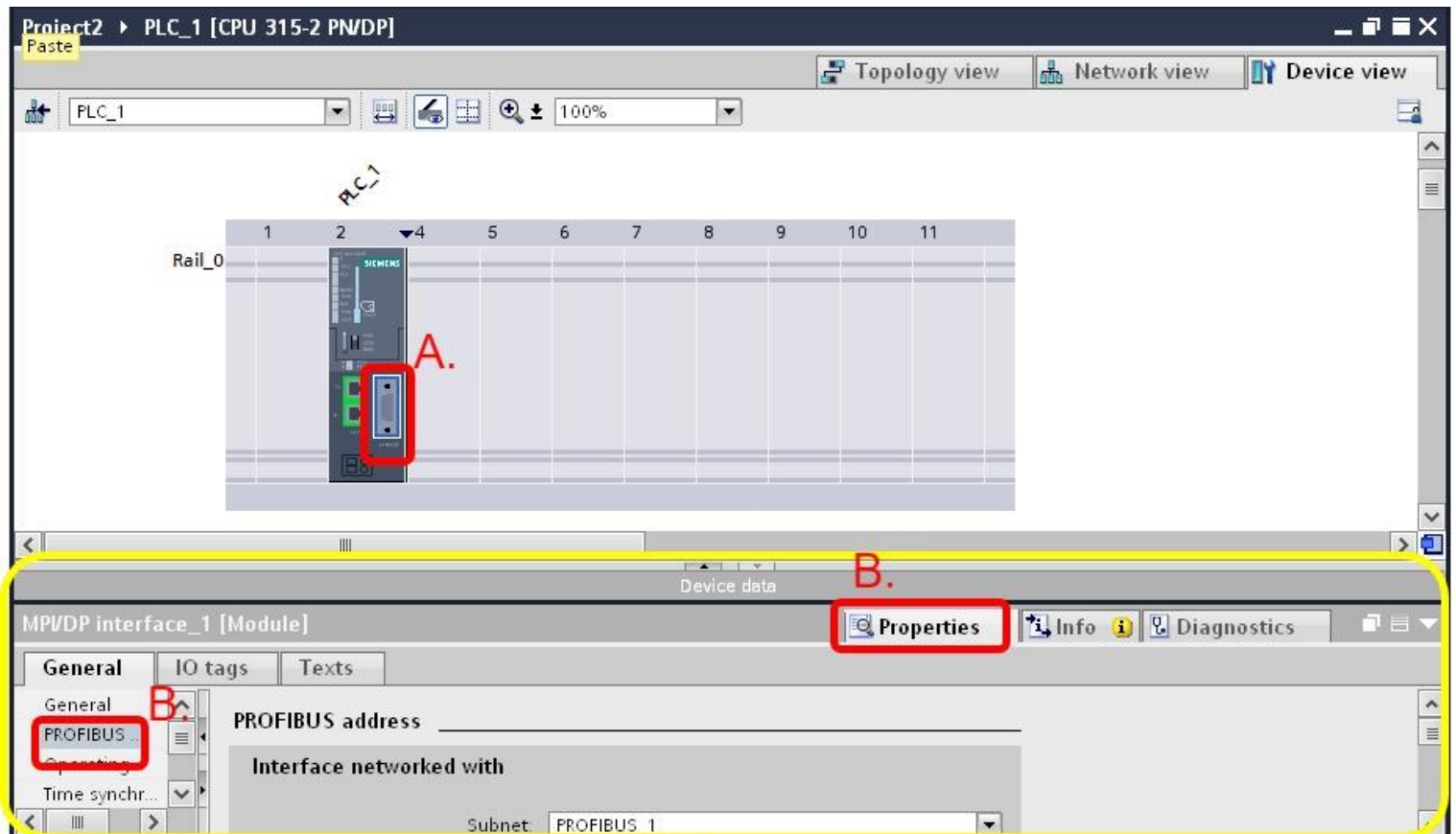
12. (A) Click "PLC_1 DP-Mastersystem(1)"
- (B) click "Properties"
- (C) click "PROFIBUS"
- (D) In "Network settings"
 - (1) set "Highest PROFIBUS address"=126,"Profile"=DP.
 - (2) "Transmission speed" : set the value which you need.



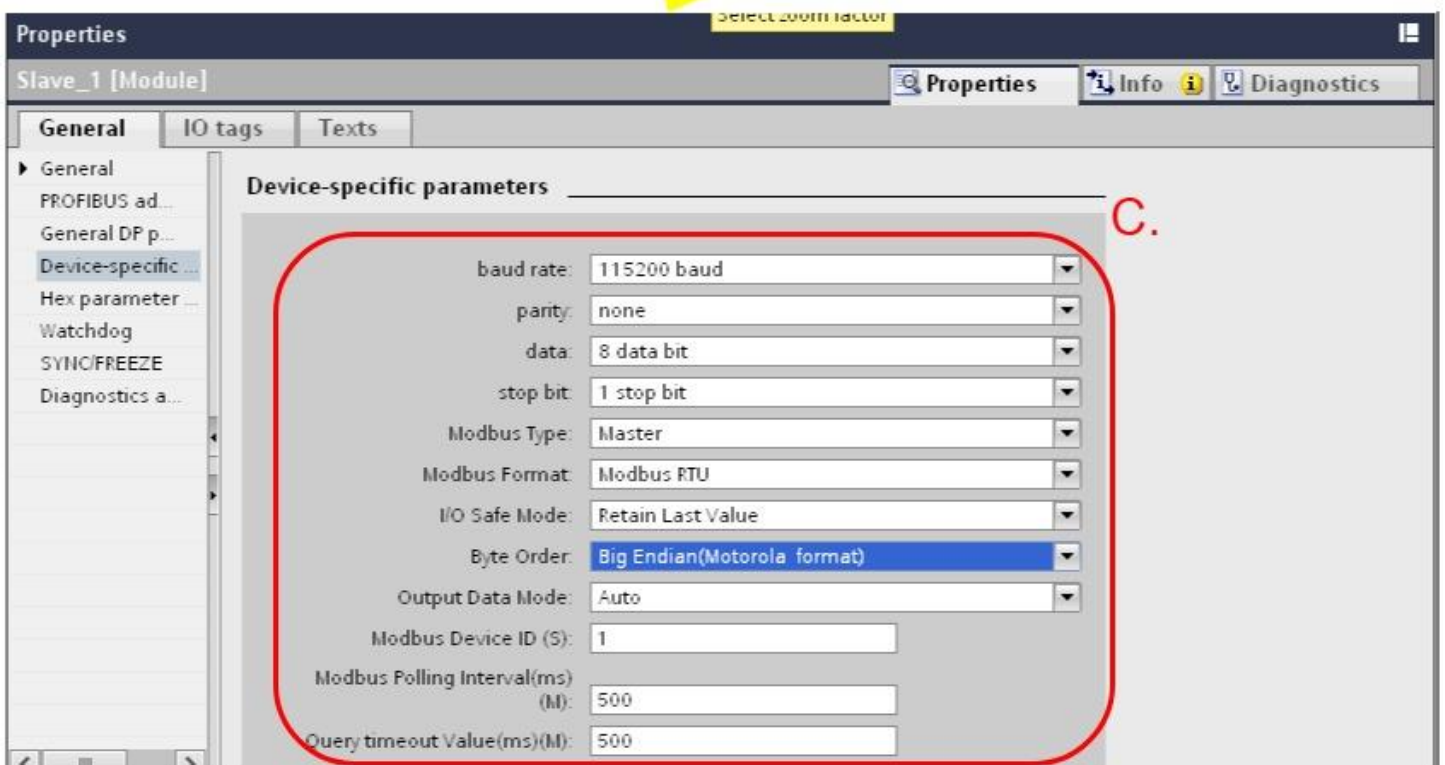
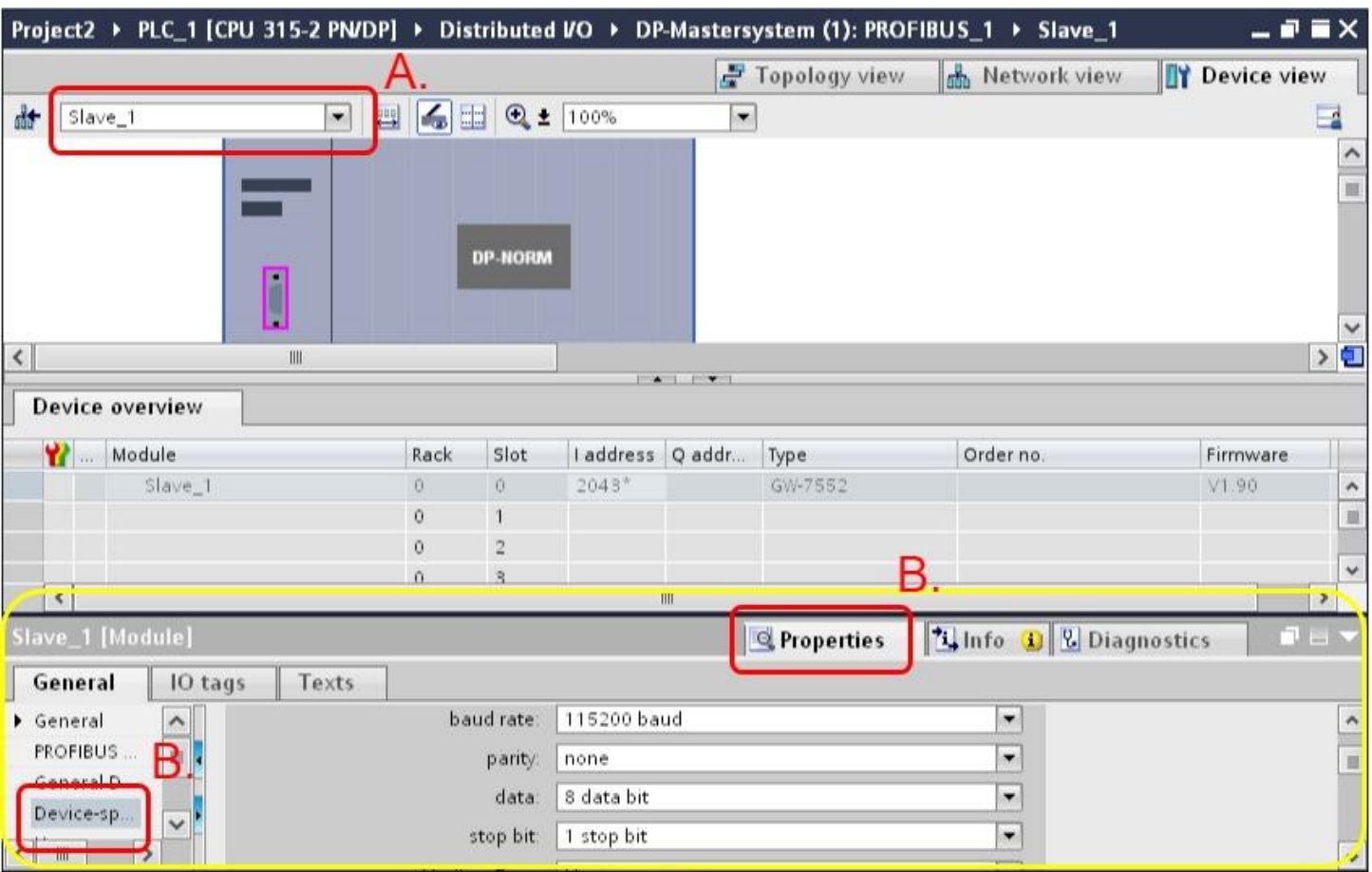
13. (A) If “Not assigned” is shown in GW-7553, click “Not assigned” and select your PLC.
(C) Double Click your PLC



14. (A) Click the PROFIBUS DP interface.
- (B) Click "Properties" and "PROFIBUS address"
- (C) In "Parameters":
 - (1) set "Interface type"=PROFIBUS.
 - (2) "Address": set PROFIBUS address for your PLC.

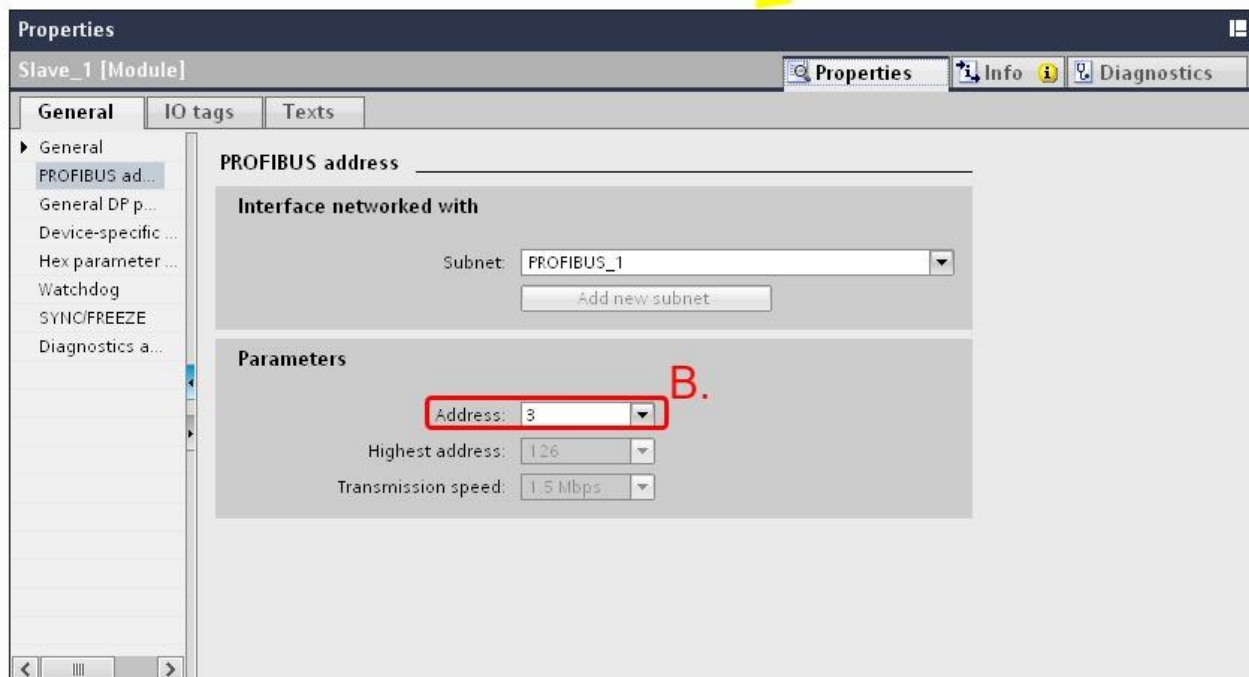
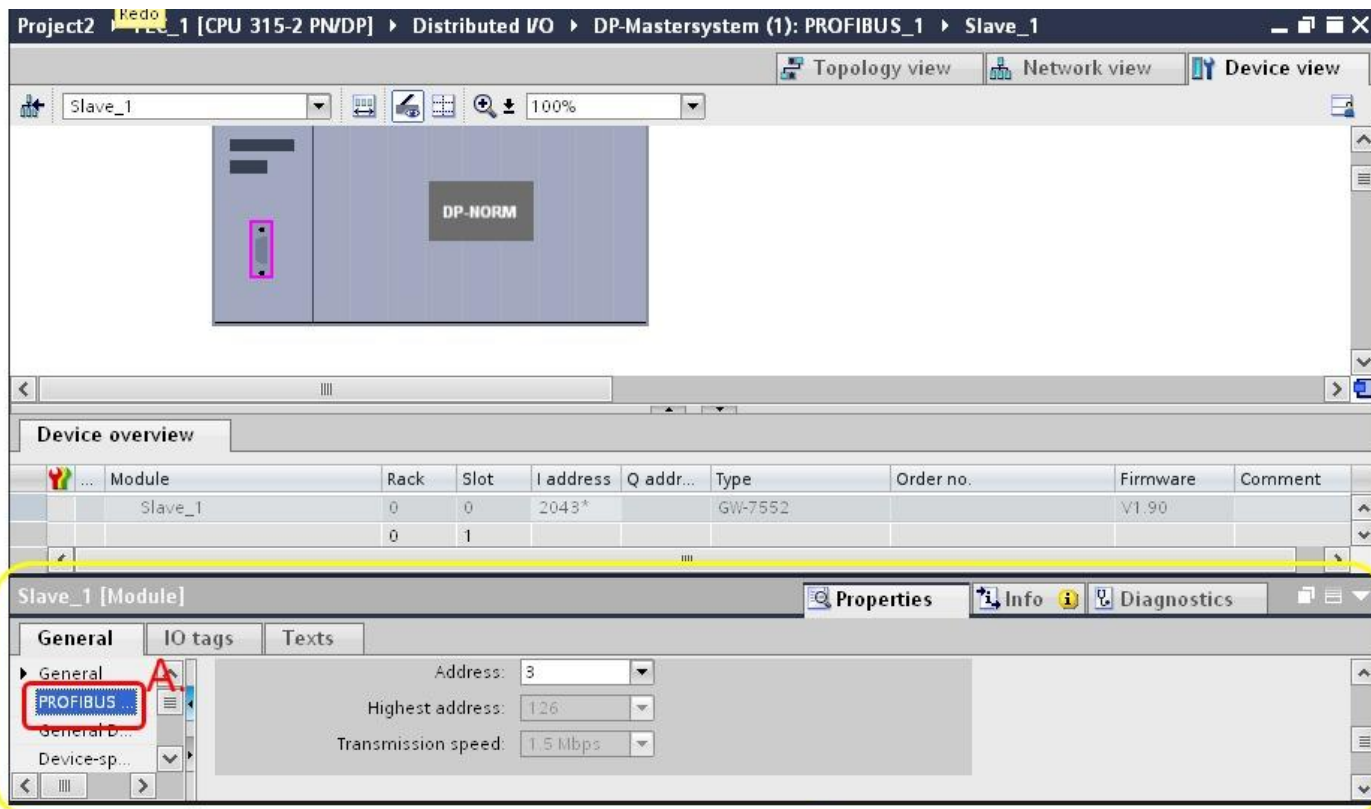


15. (A) Select "Slave_1" (If GW-7553 is "Slave_2", select "Slave_2",etc.)
- (B) Click "Properties" and "Device-specific"
- (C) You can set device parameters of GW-7553 in "Device-specific parameters" (e.g. baud rate, parity, data bit)

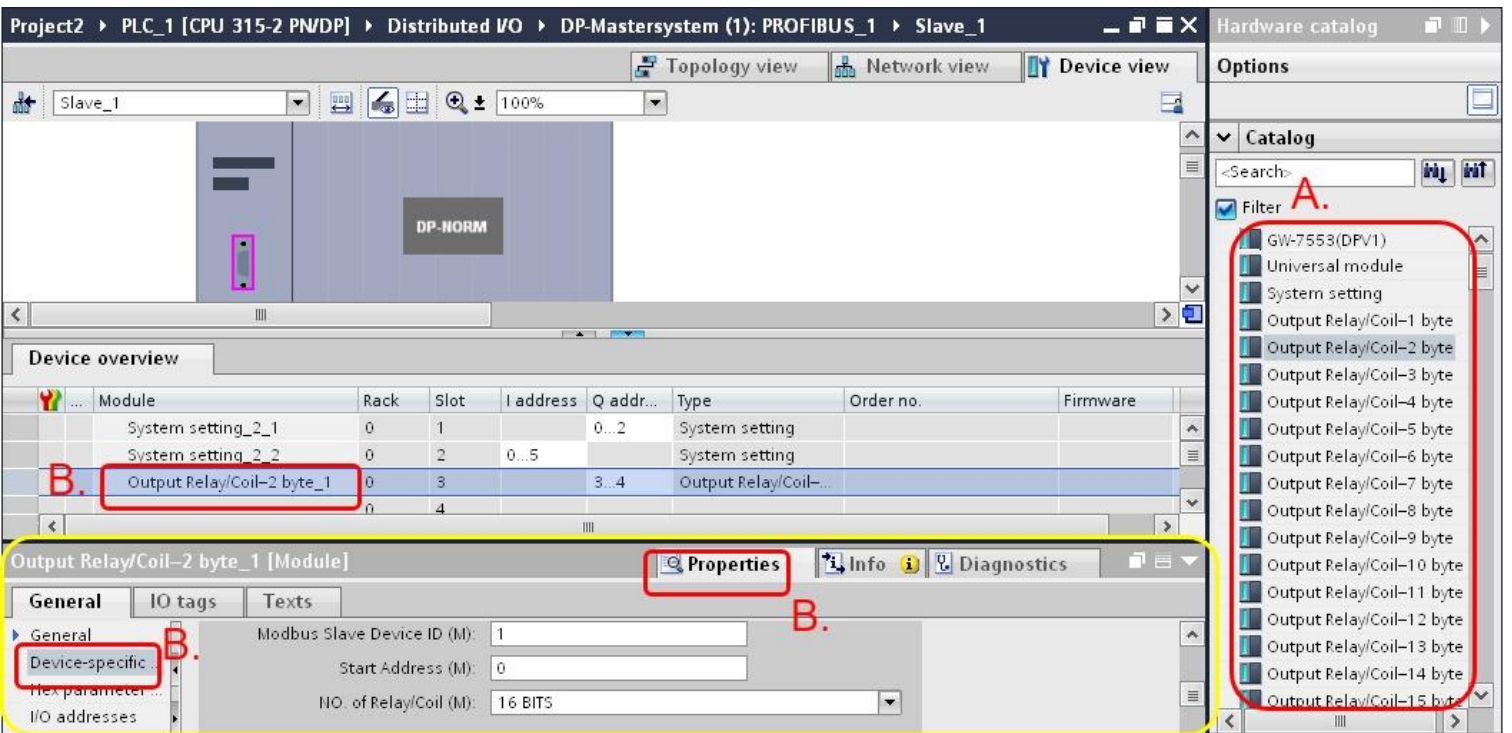


16. (A) Click “PROFIBUS address”

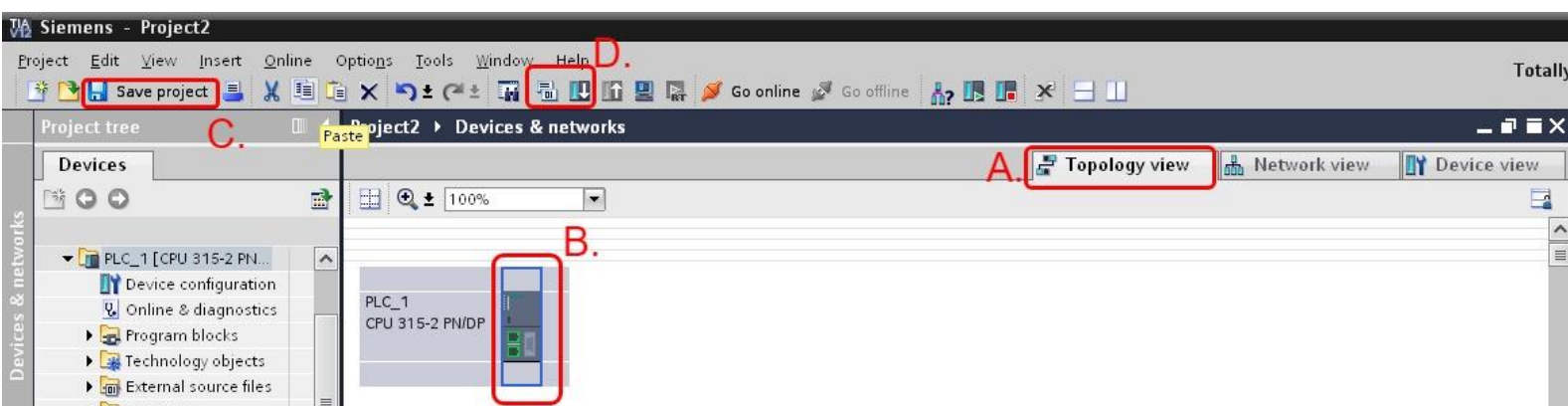
(B) You can set PROFIBUS address of GW-7553 in “PROFIBUS address”



17. (A) Double click “System module” and any IO module which you need.
- (B) Click the IO module and “Properties” and “Device-specific”
- (C) You can set the module parameters in “Device-specific parameters”



18. (A) Click “Topology view”
- (B) Click your PLC
- (C) Click “Save project”
- (D) Click “compile” and “Download to Device”



- 19. (A) Select your PG/PC interface
- (B) If PC connects PLC successful, the background will be orange
- (C) Click "Load"

Configured access nodes of "PLC_1"

Device	Device type	Slot	Type	Address	Subnet
PLC_1	CPU 315-2 PN/DP	2 X2	PN/IE	192.168.6.212	
	CPU 315-2 PN/DP	2 X1	PROFIBUS	2	PROFIBUS_1

Type of the PG/PC interface: **PN/IE** (A.)
 PG/PC interface: **Intel(R) PRO/1000 T Serve...** (A.)
 Connection to subnet: Direct at slot "2 X2"
 1st gateway:

Compatible devices in target subnet: Show all compatible devices

Device	Device type	Type	Address	Target device
PLC_1	CPU 315-2 PN/DP	PN/IE	192.168.6.212	PLC_1
	—	PN/IE	Access address	—

B. Flash LED

Online status information:
 A connection to the device with address 192.168.6.212 could be established.
 Scan completed. 1 compatible devices of 1 accessible devices found.
 Retrieving device information...

C. **Load** Cancel

20. Click "Load"

Load preview

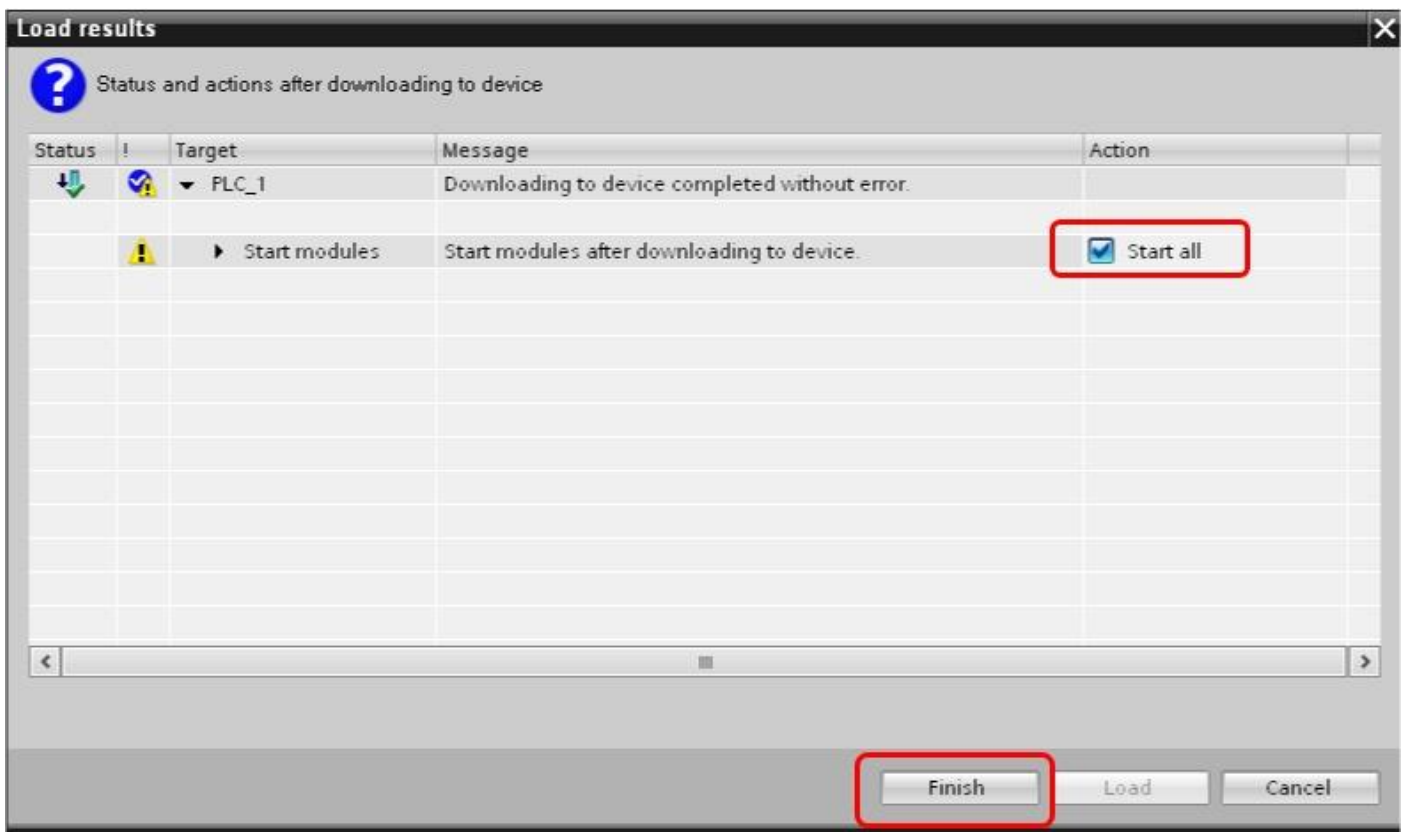
Check before loading

Status	!	Target	Message	Action
✓		PLC_1	Ready for loading.	
✓		Stop modules	All modules will be stopped for downloading to device.	Stop all
✓		Device configurat...	Delete and replace system data in target	Download to device
✓		Software	Download software to device	Consistent download

Refresh

Finish **Load** Cancel

21. Tick "Start all" and click "Finish"



22. (A) Click "Go online"
(B) Click "Start CPU"

