

PROFINET interface

Absolute Rotary Encoder Operation Routine



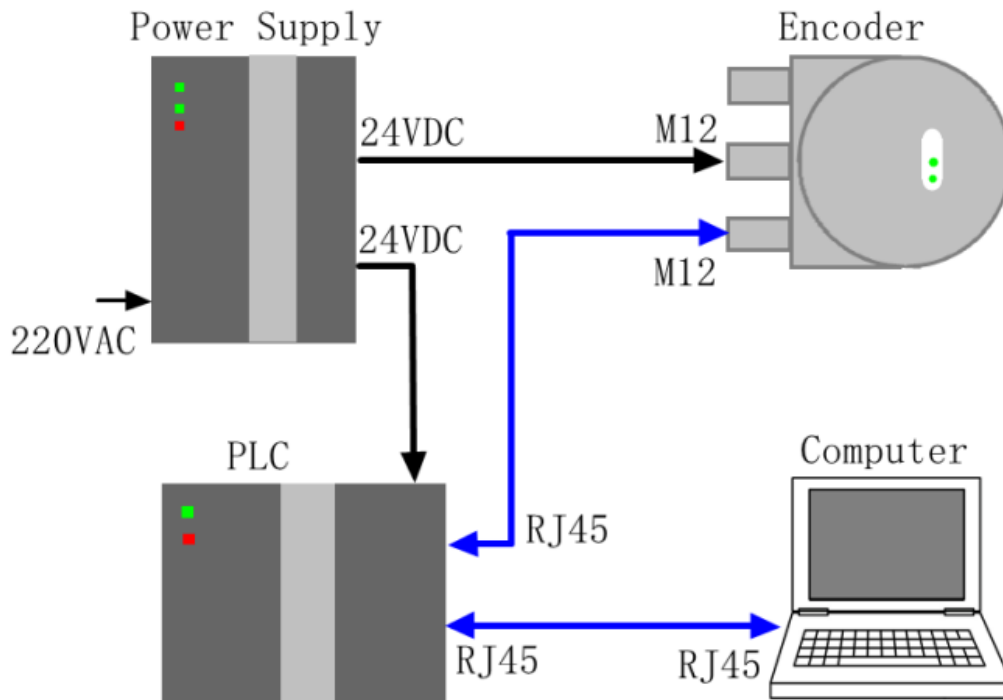
Section 1: Operating Environment

1. The computer uses Windows 11 Home English version genuine system, 64-bit operating system, and an x64-based processor.
2. The software uses TIA PORTAL V17, genuine Botu V17.
3. The PLC uses SIMATIC S7-1200 6ES7 214-1AG31-0XB0.



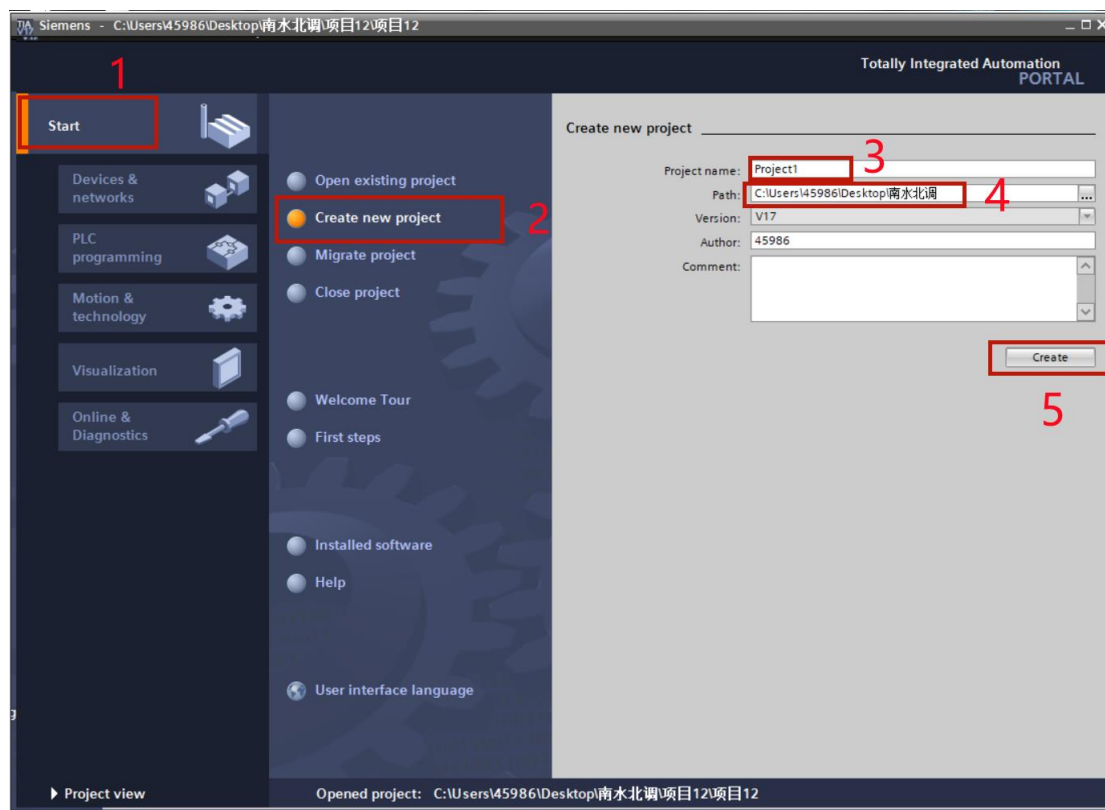
Section 2: Wiring Precautions

1. Both PLC and encoder are powered by 24V DC.
2. Connect the PLC and the computer with a network cable. Between PLC and encoder, one end is RJ45 and the other end is M12 4PIN connector.

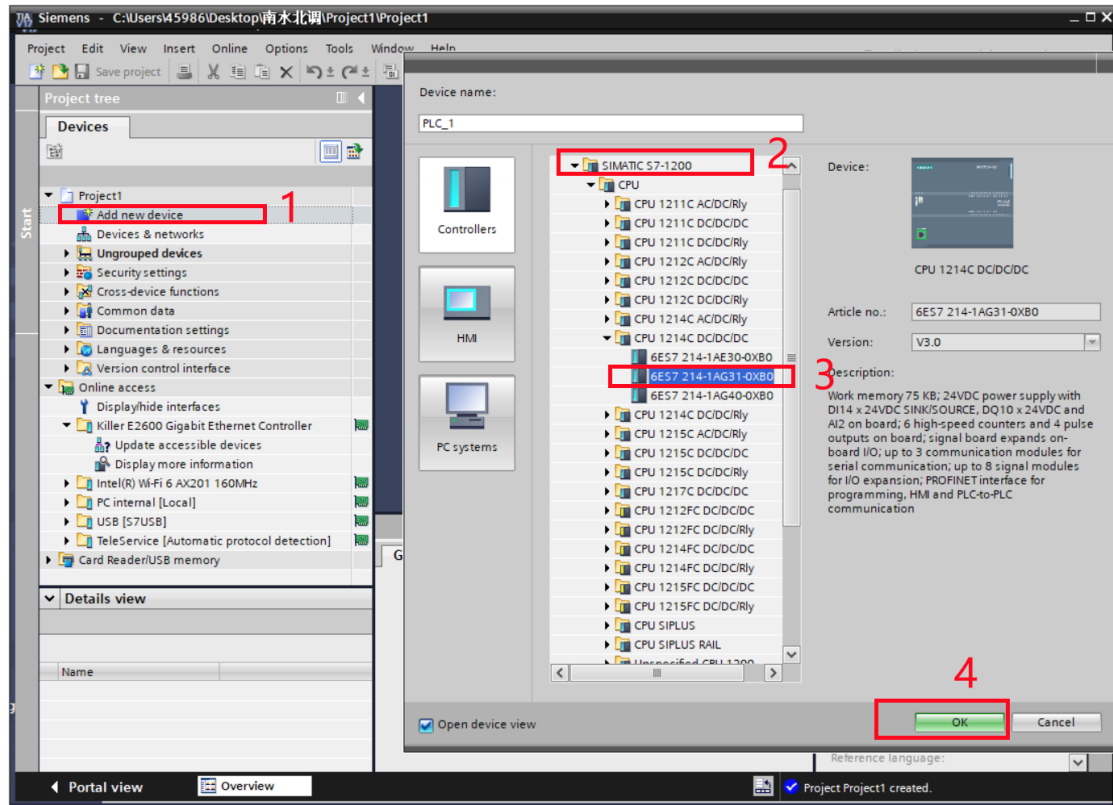


Section 3: Configuration

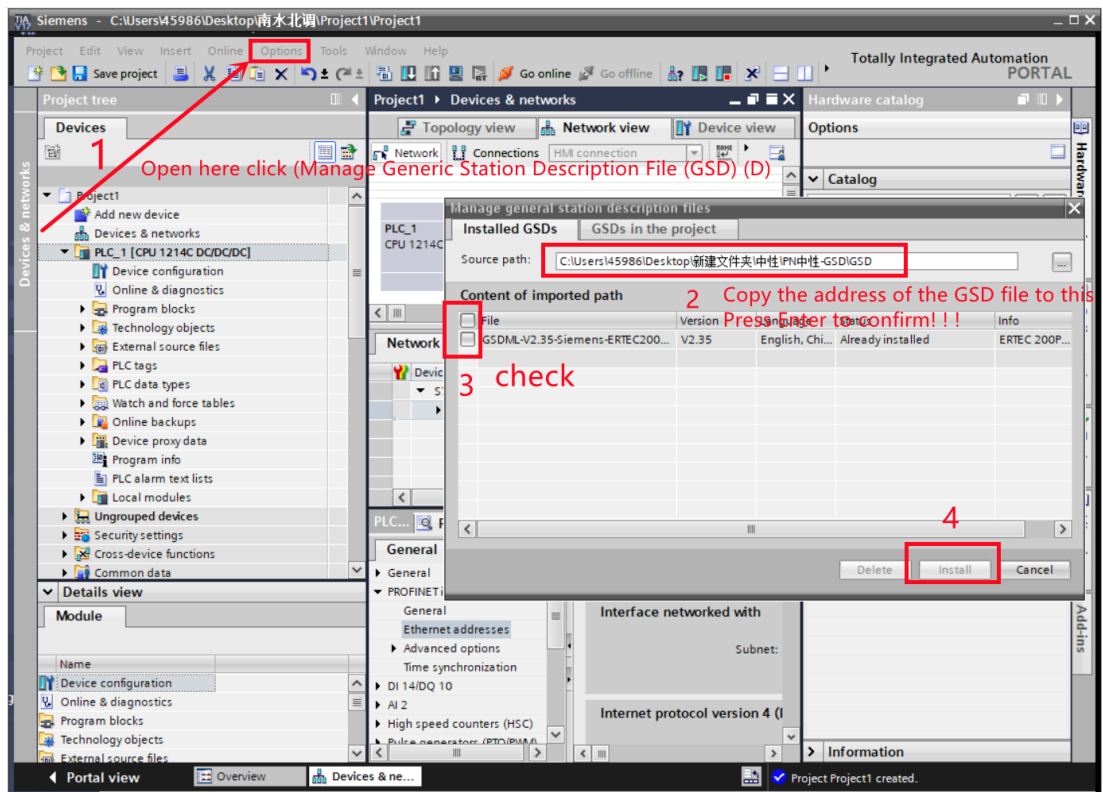
1. Create a new project



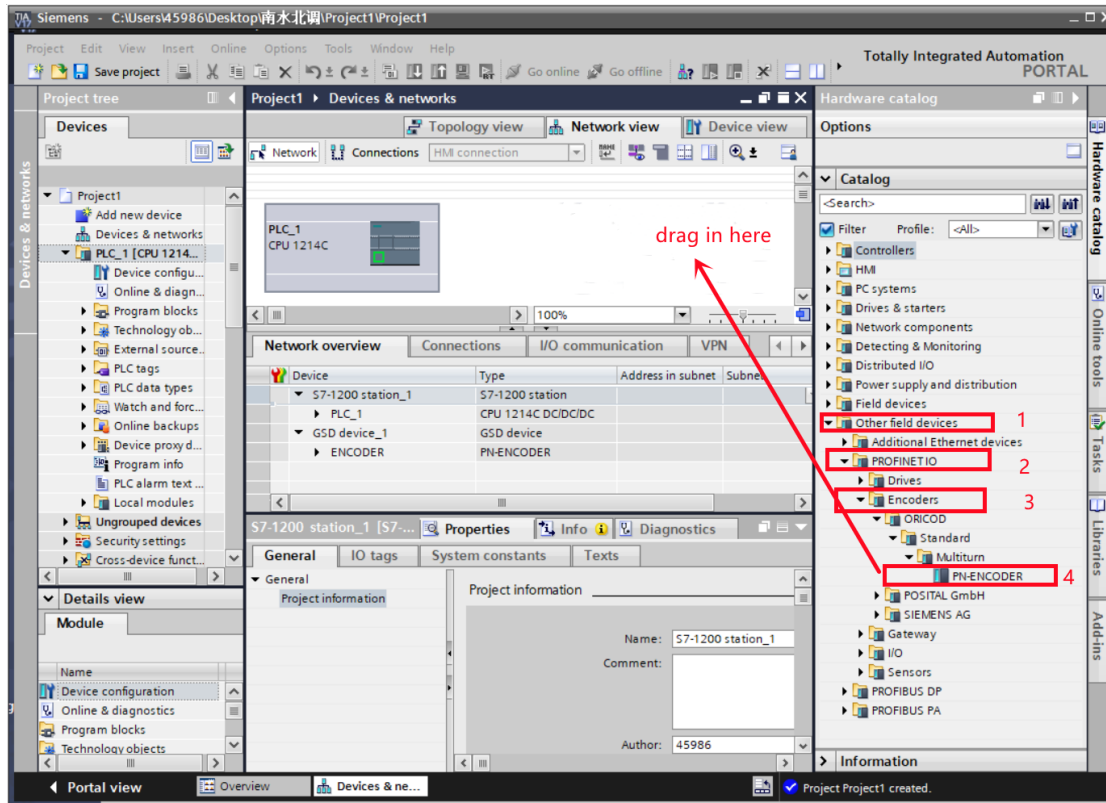
2. Add a new device (PLC)



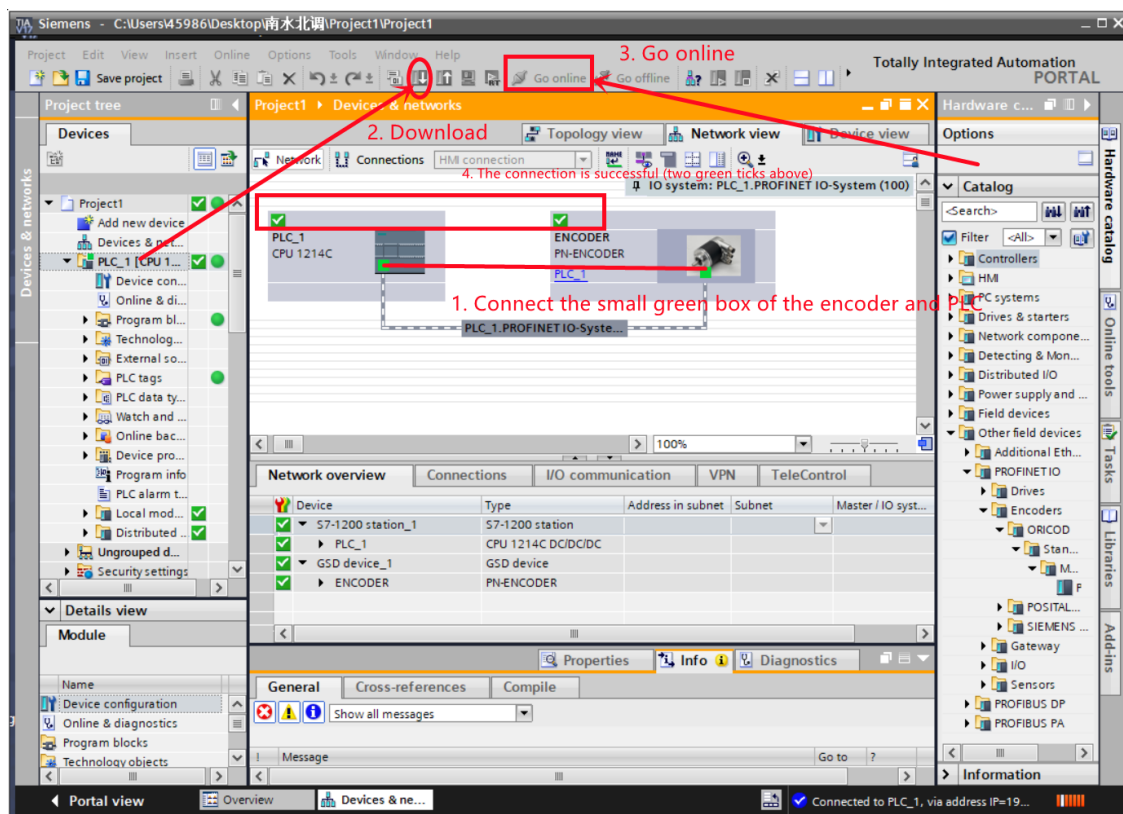
3. Install GSD files



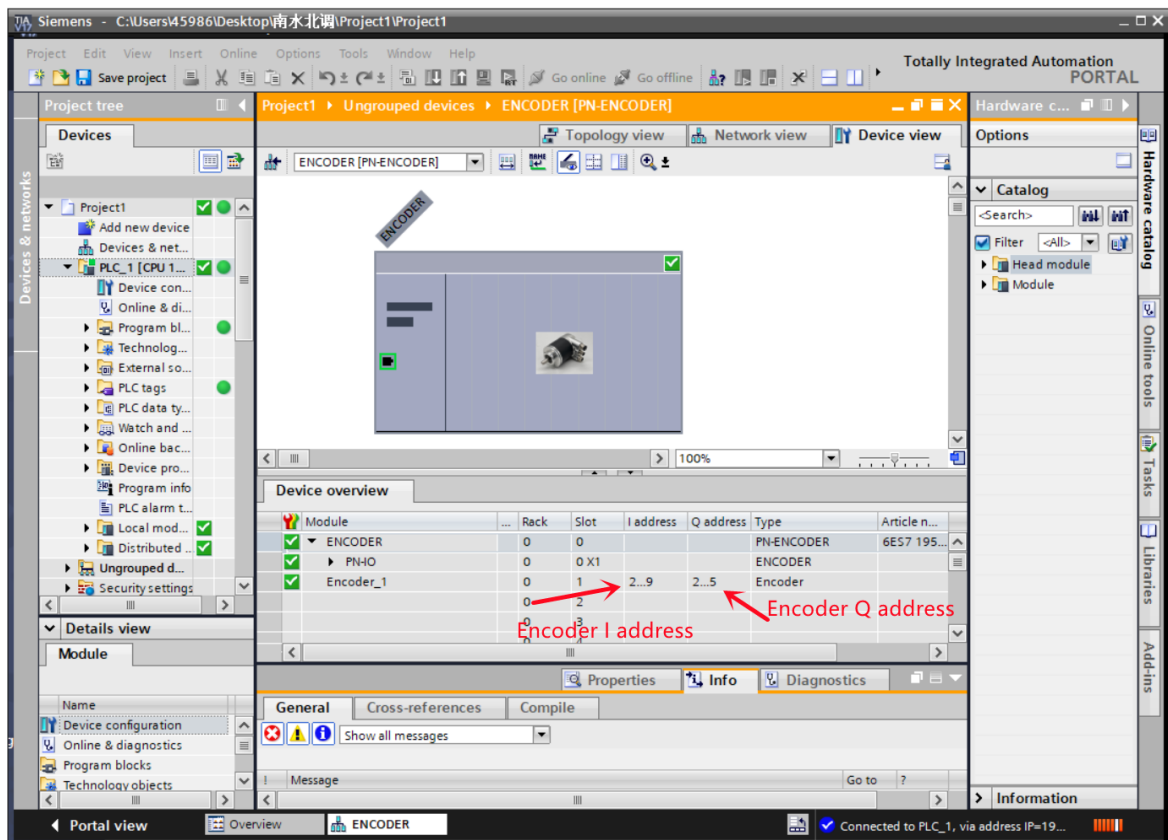
4. Add the encoder device module



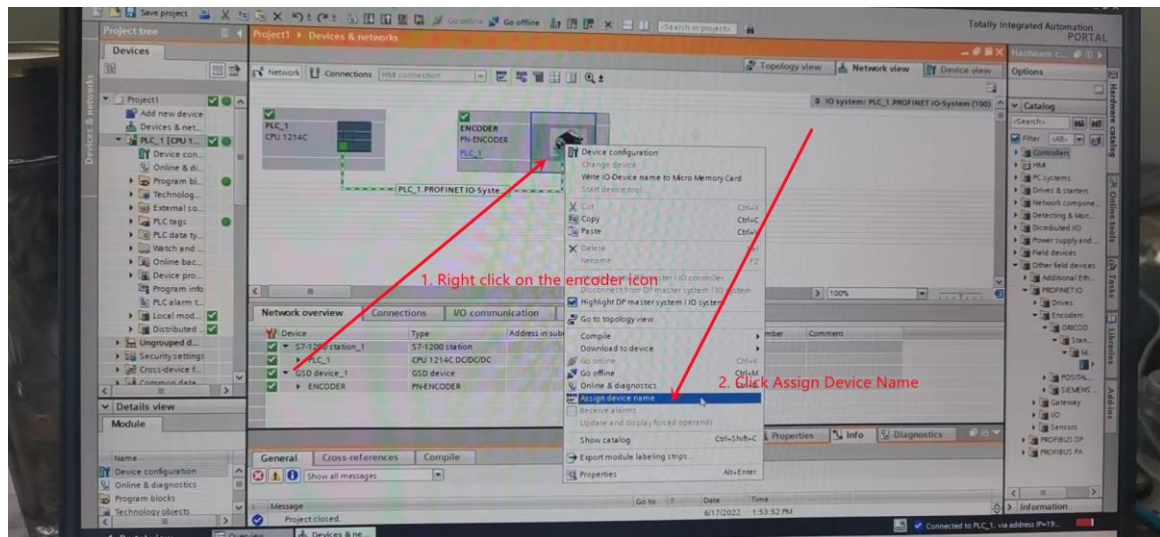
5. Connect PLC and encoder

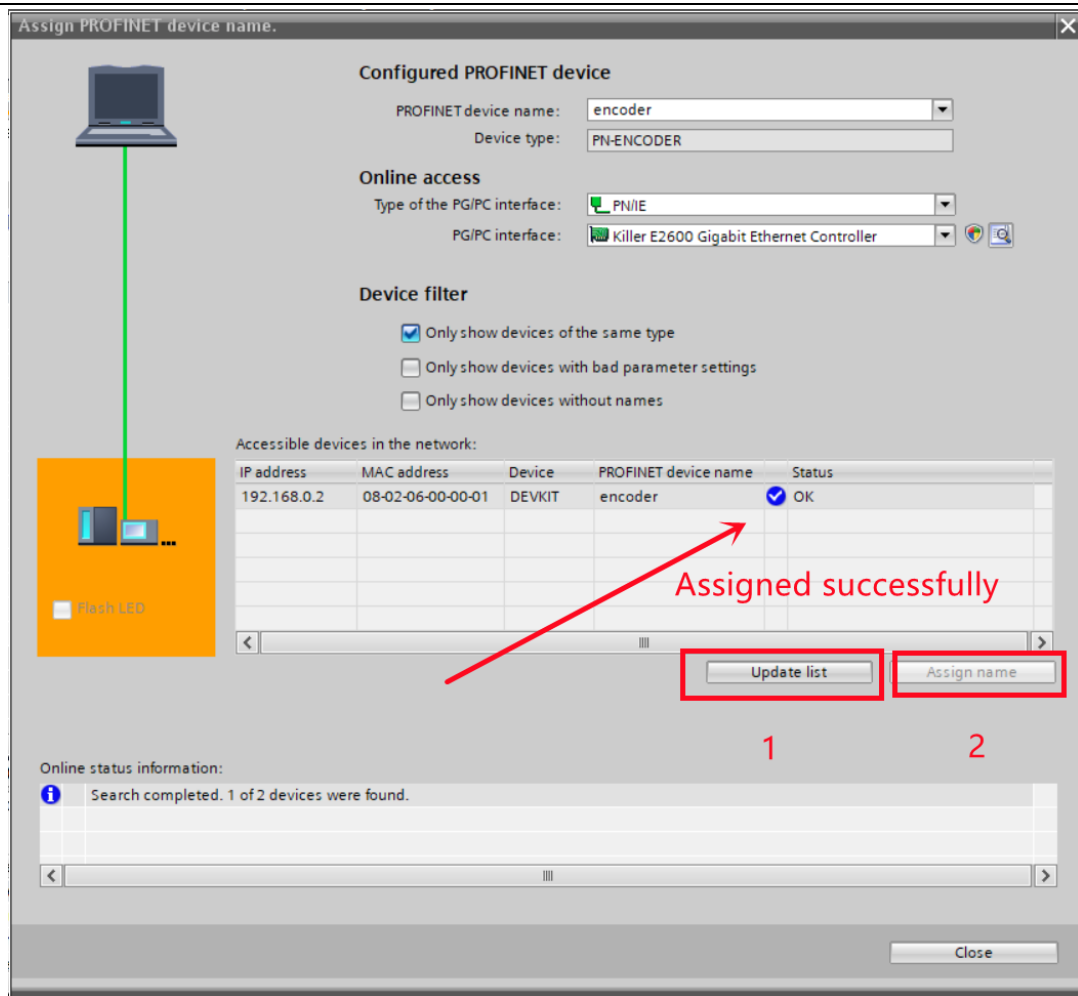


6. Encoder address

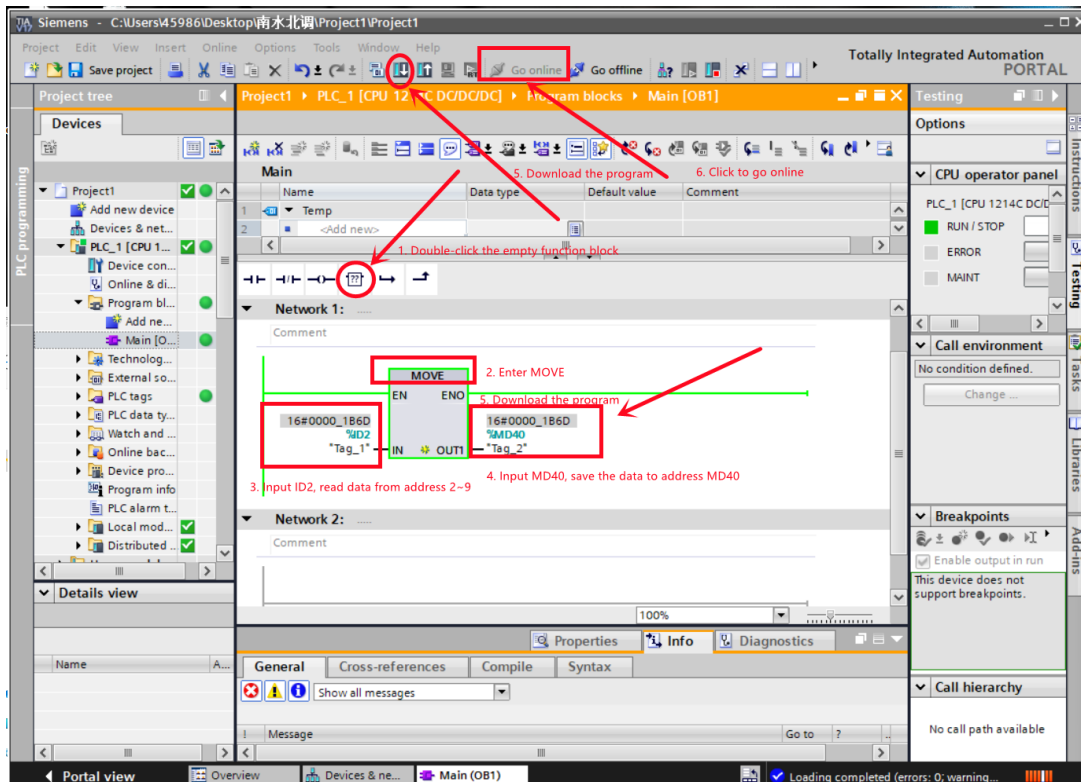


7. Assign encoder name

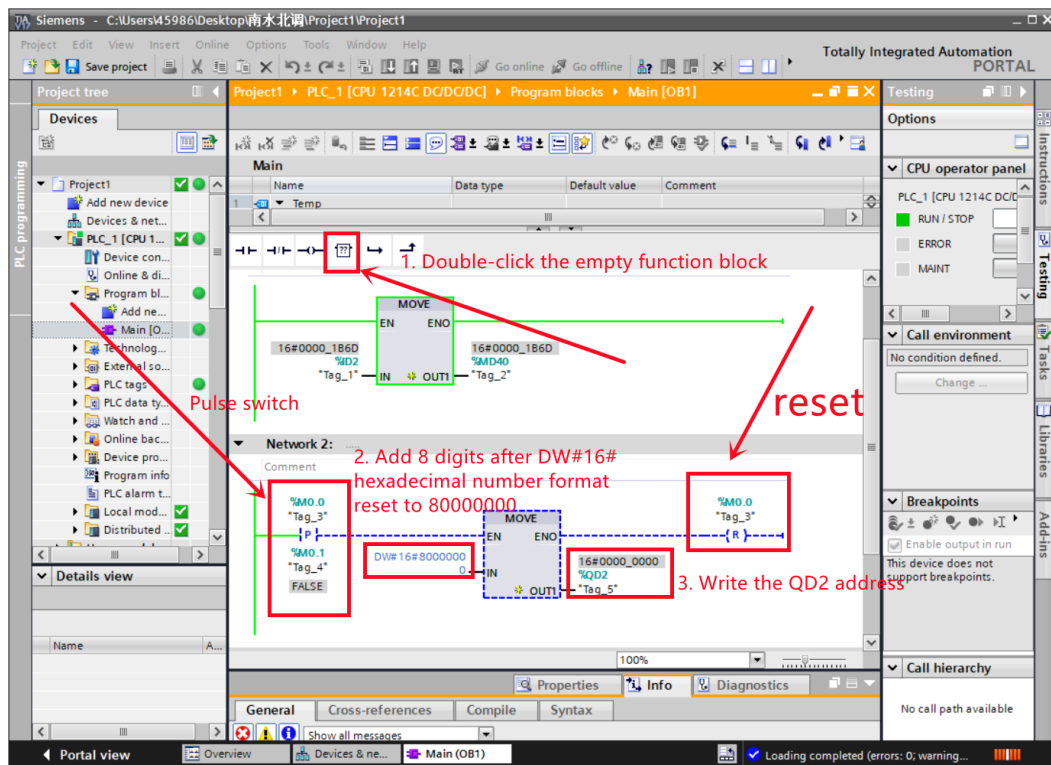




8. Read encoder data block



9. Clear logic



10. Modification of encoder parameters

