

Create New Project

DL R&D

2025-08-05

Create a folder for the new project

💡 *It is recommended that each project has its own separate folder, and the folder path does not contain any spaces.*

Navigate the MATLAB working directory to the new project folder

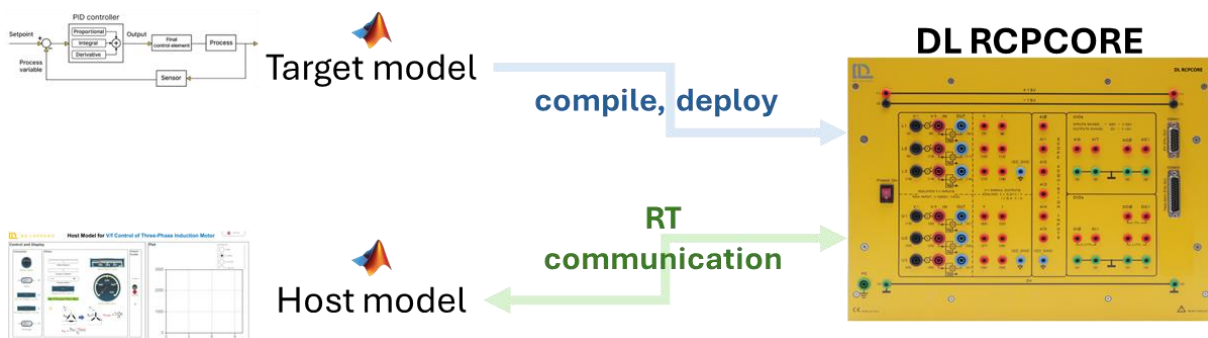
Execute the CreateNew command in the MATLAB Command Window and enter the project name in the pop-up dialog box.

💡 *Avoid using special characters and spaces in the project name.*

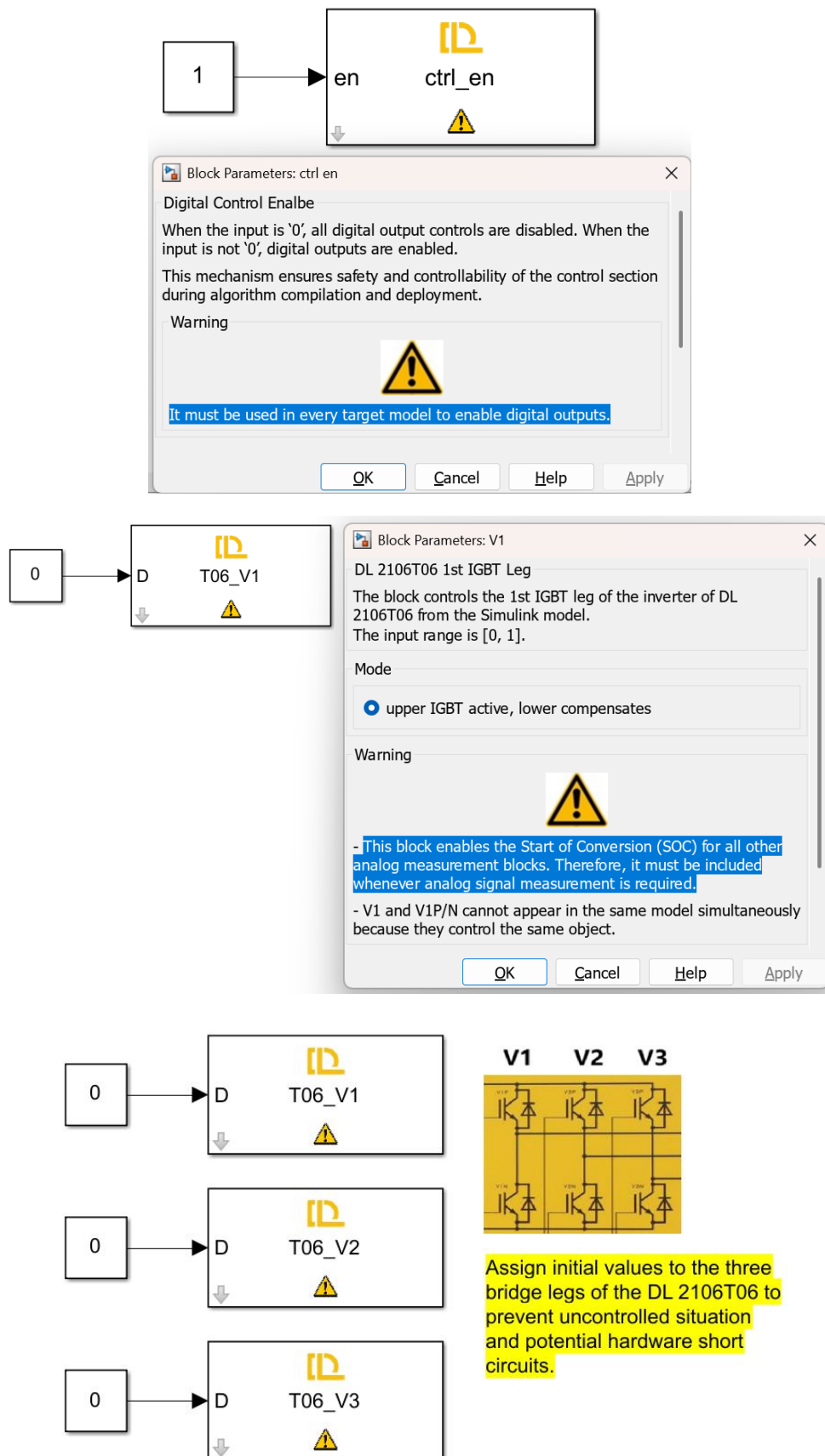
Wait until the "Busy" status in the lower-left corner of MATLAB disappears, and no warnings or errors are displayed in the Command Window.

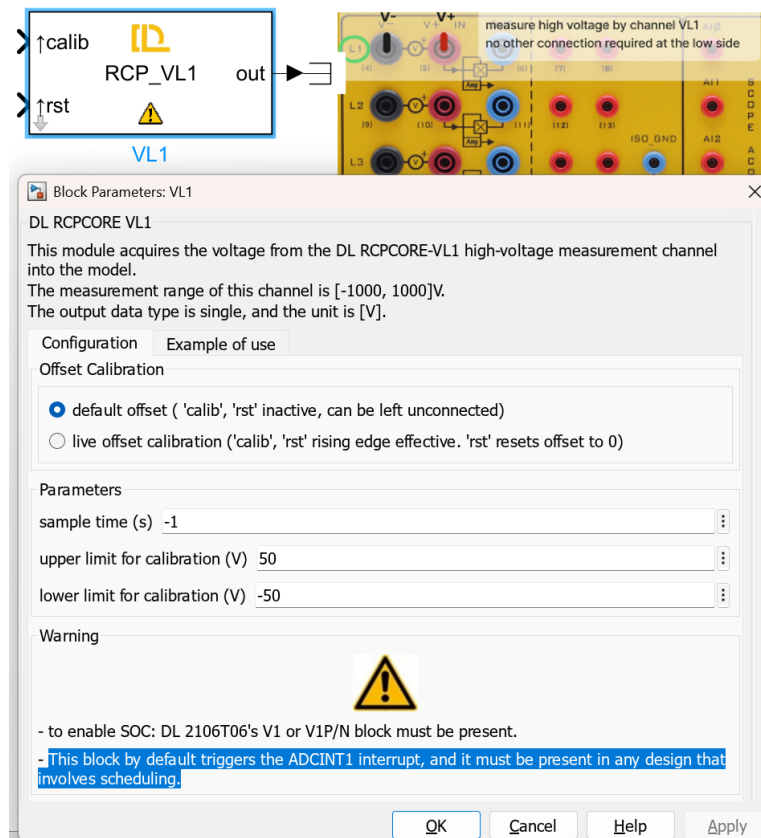
Two models are created by the system:

- **Target model:** This model will be compiled, deployed, and executed on the DL RCPCORE hardware. Its primary responsibility is to execute control algorithms and support real-time communication with the host model.
- **Host model:** This model runs on the PC in simulation mode. Its role is to debug parameters in the target model and display specific signals.



In the **target model**, the essential blocks have been added. Examine the highlighted parts to understand their roles in the entire model.





In the **host model**, the Host Serial Setup block has been added to configure real-time communication with the **target model**.

