

# PLC HMI Web editing

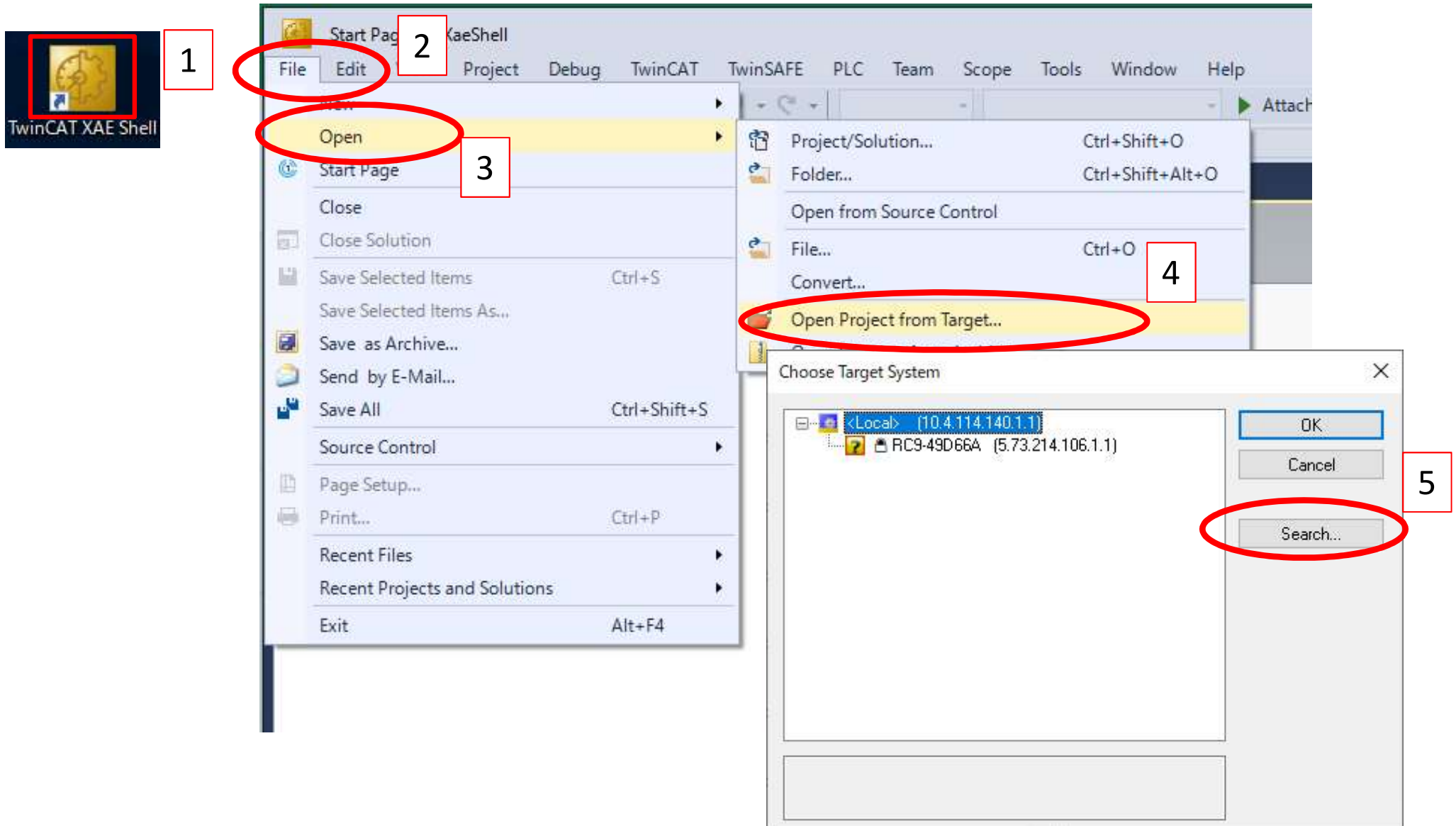
***DENSO***

[www.densorobotics.com](http://www.densorobotics.com)

# Connection from PC to controller

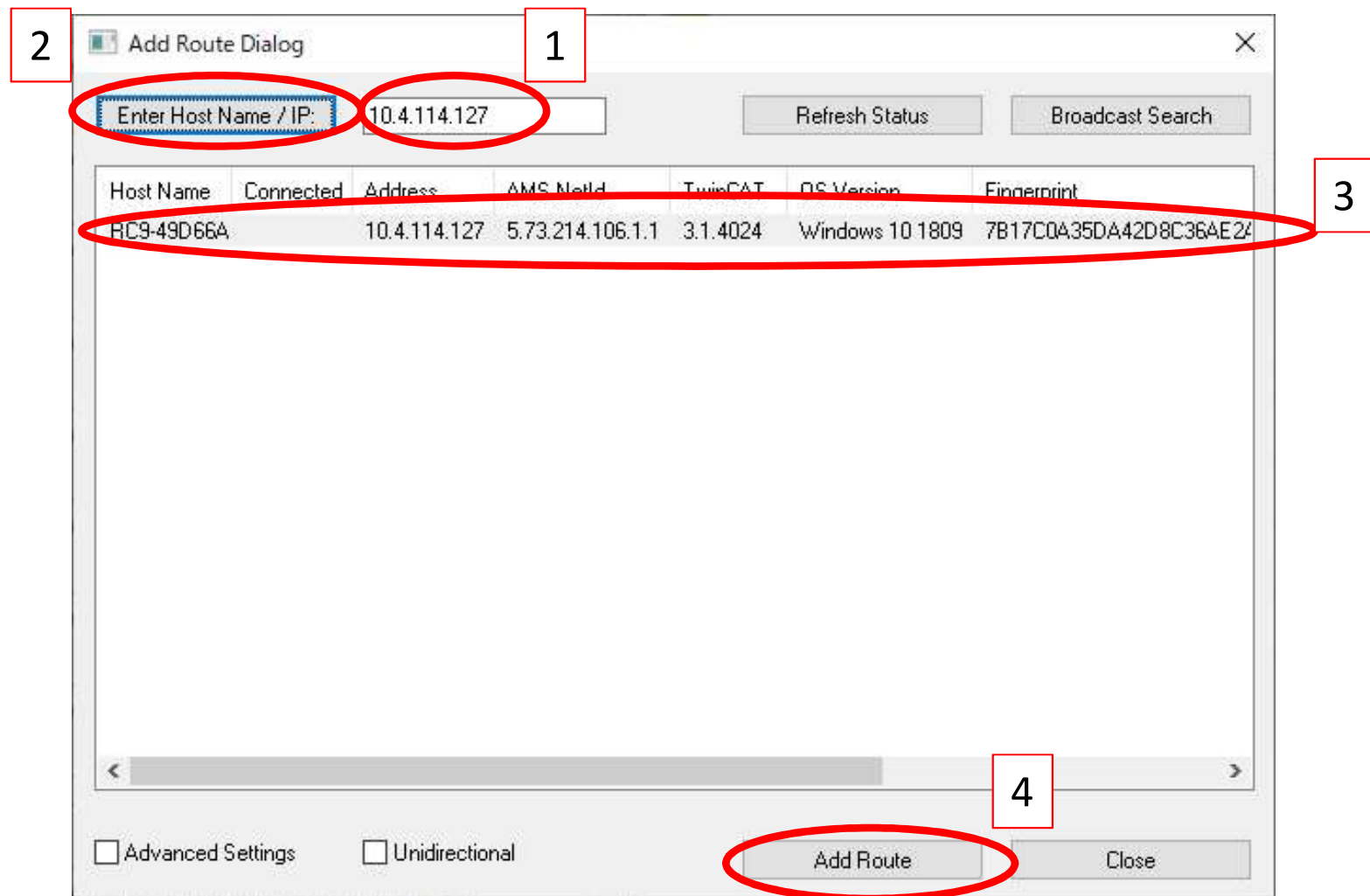
1) Launch TwinCAT XAE Shell and select 2) [File] – 3) [Open] – 4) [Open Project from Target]

When the [Choose Target System] screen appears, 5) click the [Search] button.



# Connection from PC to controller

When [Add Route Dialog] is displayed, 1) enter the IP of controller.  
2) Click the [Enter Host Name / IP:] button and select 3).  
4) Click the [Add Route] button.



# Connection from PC to controller

1) Check [Secure ADS], 2) select [Preshared key(PSK)], and 3) enter [Identity] and [Password].

The [Identity] and [Password] to be entered enter Maintainer with Smart TP or higher authority, and enter the information described on the [Setting] – [System Info] screen.

Smart TP screen

The Smart TP screen displays the following information:

System Info	General	Robot	Controller
<b>Controller</b>			
Controller ID	ZZZZZZ		
Controller name			
Controller software	1.1.0		
BPB software ver.			
<b>Robot</b>			
Robot type	VMB-2515		
Mecha software ver.	None		
<b>I/O board</b>			
Board type	NPN		
<b>Login user info</b>			
User ID	Administrator		
XAE remote access user name	RC9_Administrator		
XAE remote access password	9733		

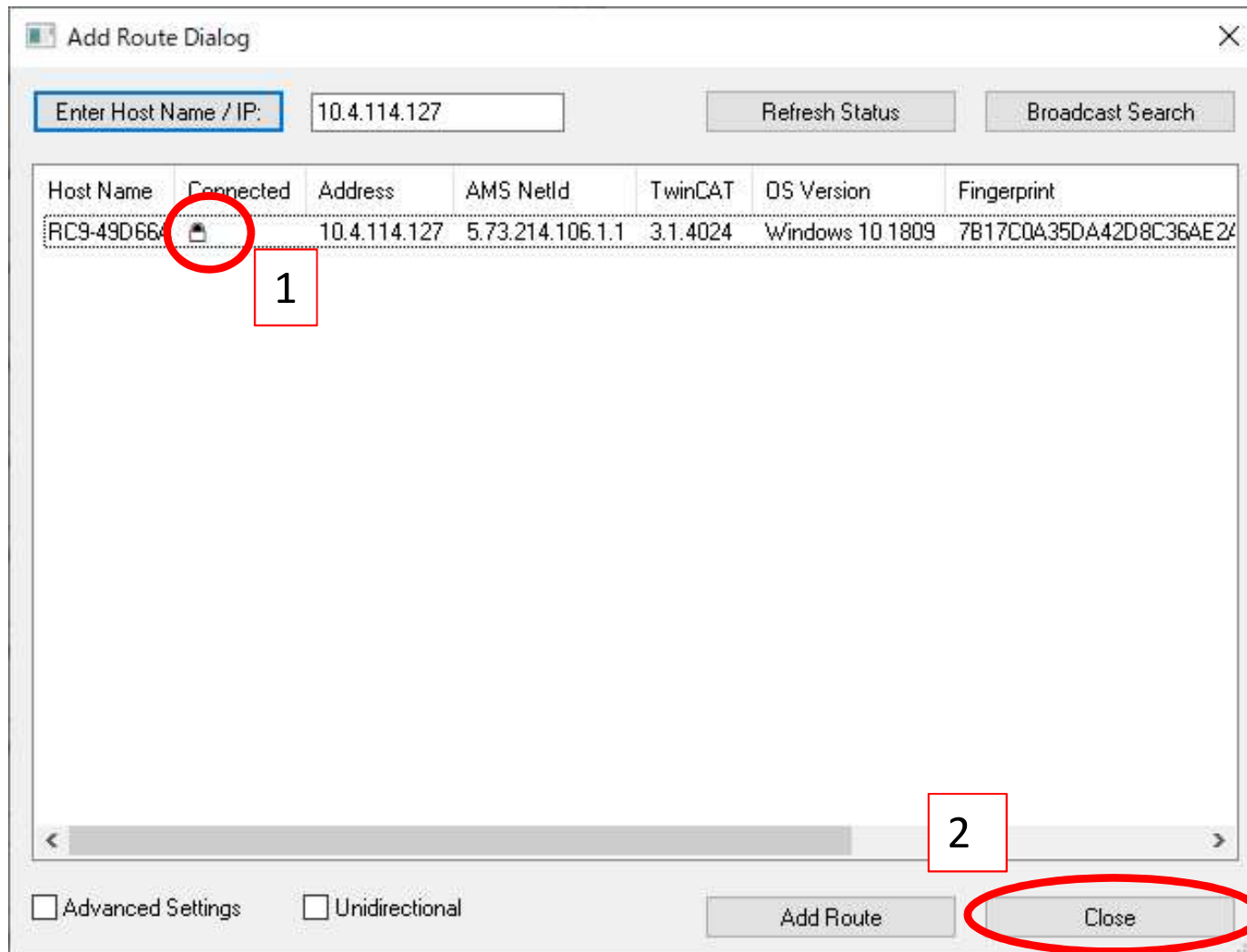
The 'Add Remote Route' dialog box shows the following configuration:

- 1) ☒ Secure ADS [TwinCAT 3.1 >= 4024]
- ☐ Self Signed Certificate
- ☐ Shared Certificate Authority
- 2) ☒ Preshared Key (PSK)
- Identity: RC9\_Administrator
- 3) Password: 9733
- ☐ Key (binary):

OK Cancel

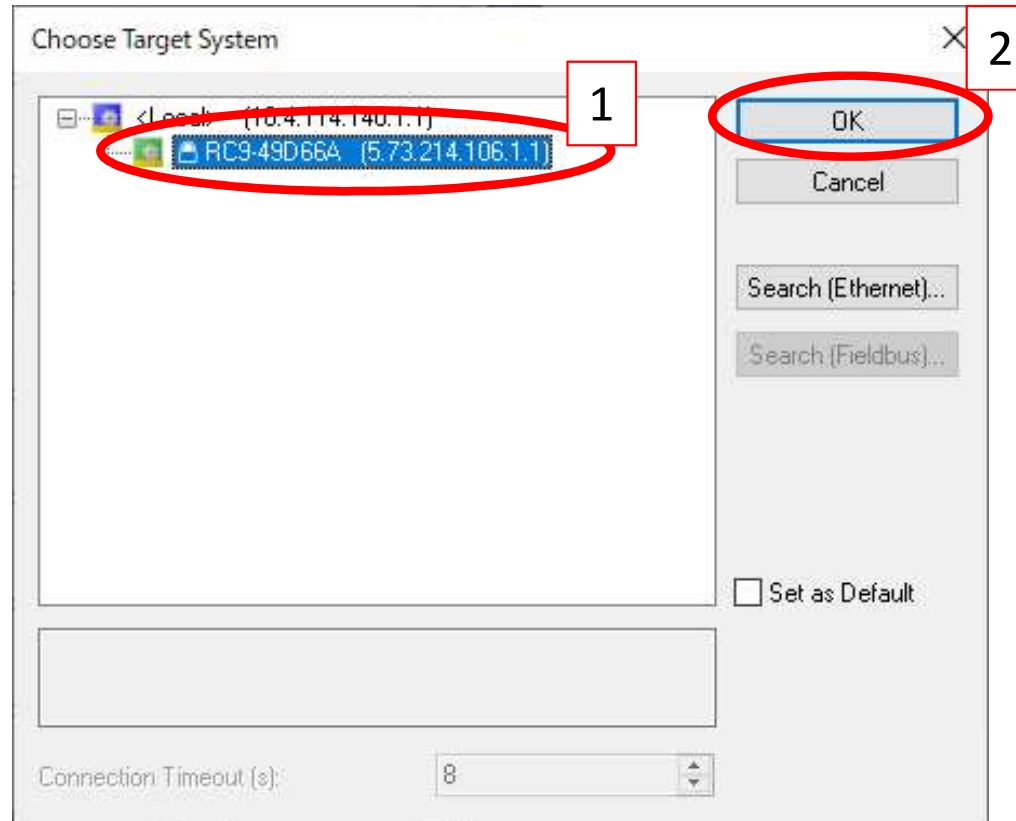
# Connection from PC to controller

Go back to the [Add Route Dialog] and 1) see the icon on the [Connected].  
2) Click the [Close] button.



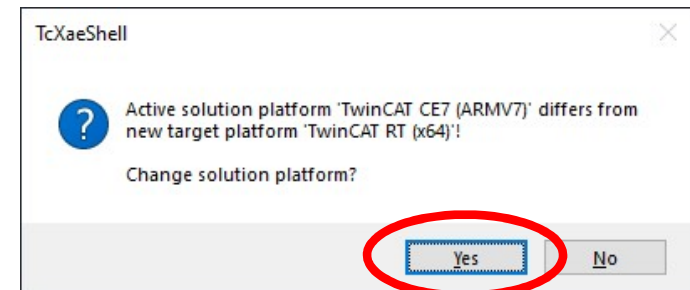
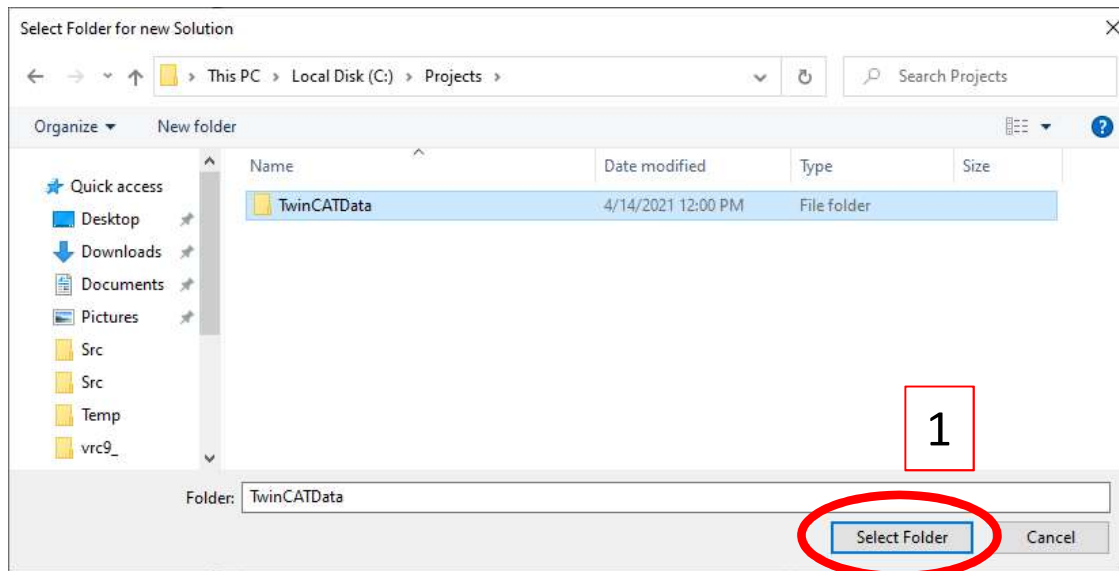
# Connection from PC to controller

1) The item whose first icon is green (or blue) is displayed. Select it and 2) click the [OK] button.



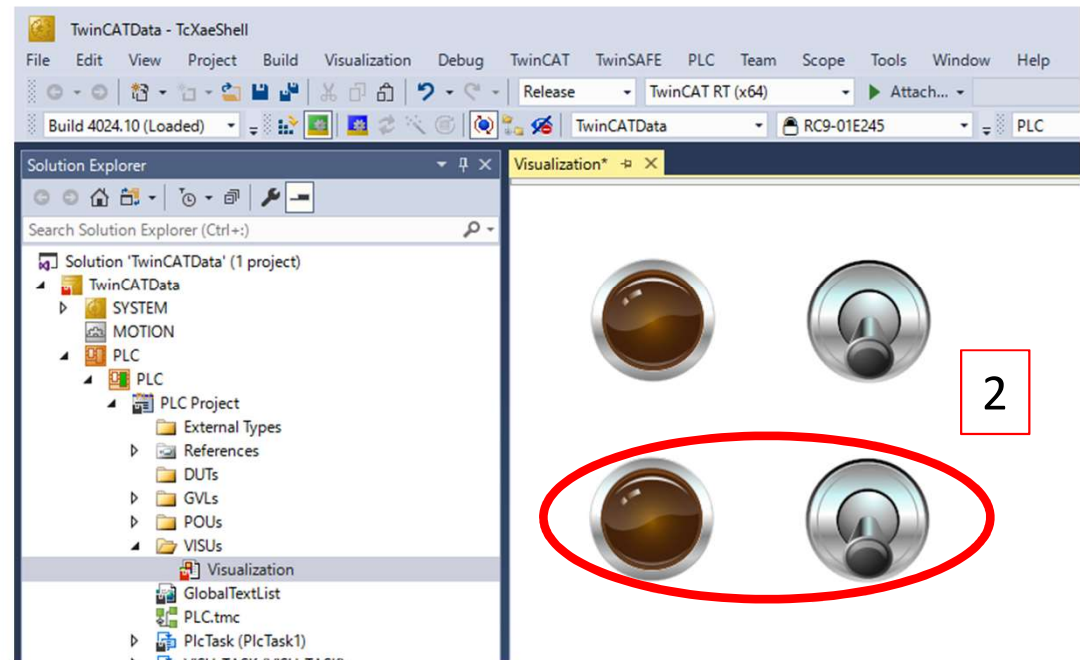
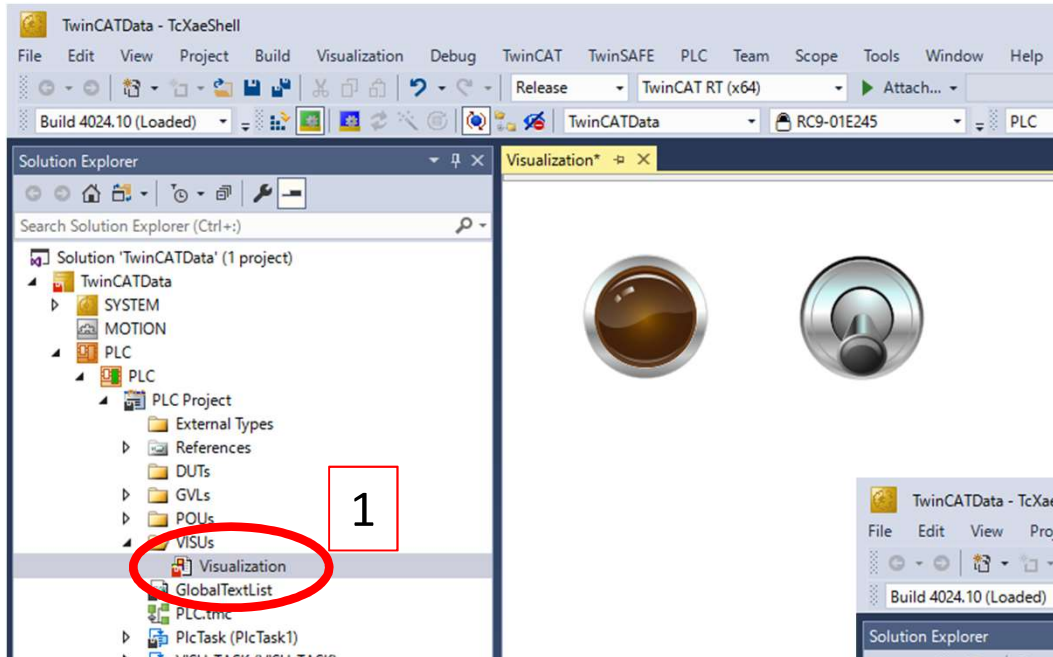
# Connection from PC to controller

- 1) Click the [Select Folder] button to save the TwinCATData loaded from the Controller.
- 2) Click the [Yes] button.



# Visualization editing

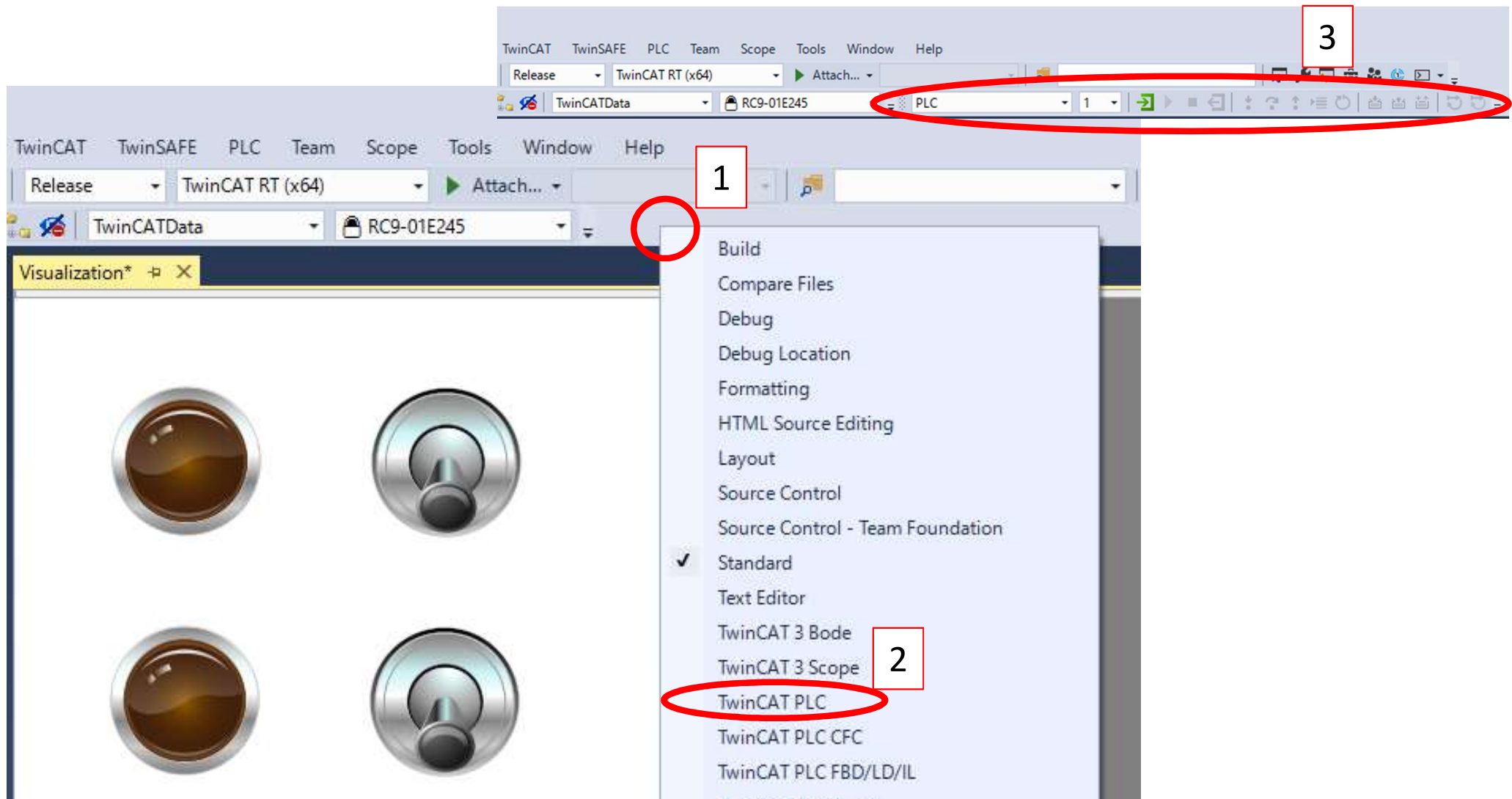
- 1) Click the [Visualization] button.
- 2) Copy and paste the lamp and switch.





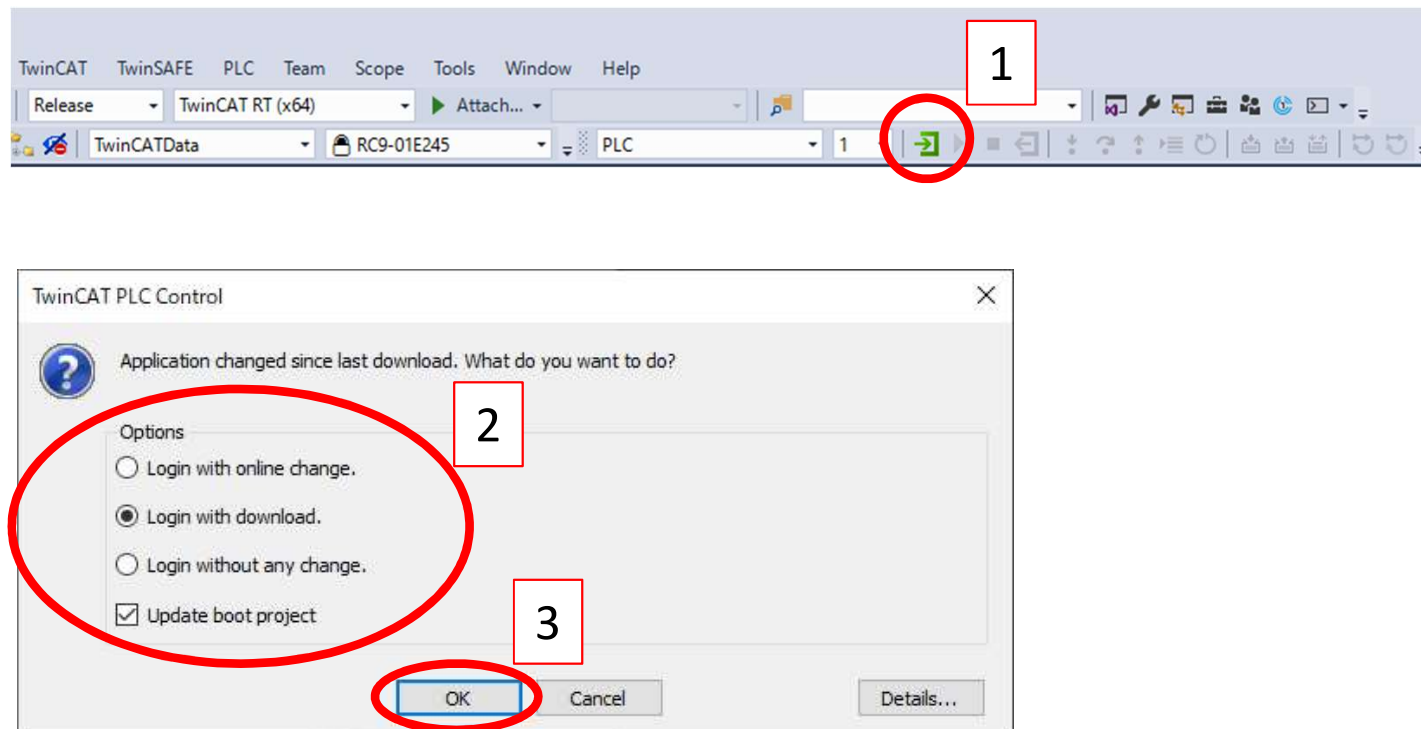
# Visualization editing

- 1) Right-click on a blank area.
- 2) Select the [TwinCAT PLC].
- 3) The tools for PLC are displayed.



# Visualization operation check

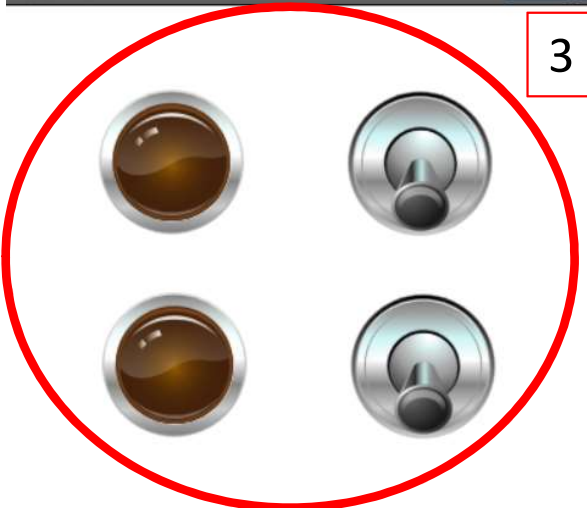
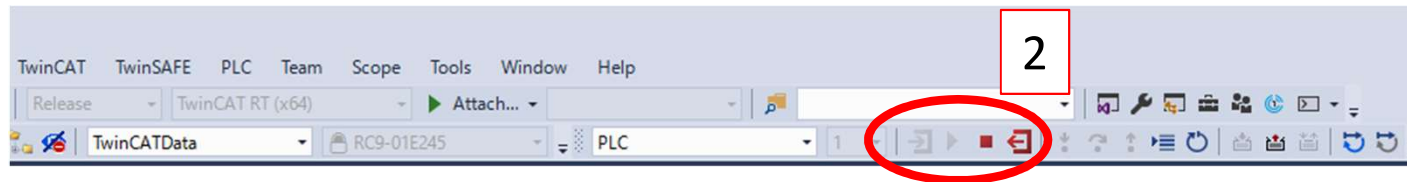
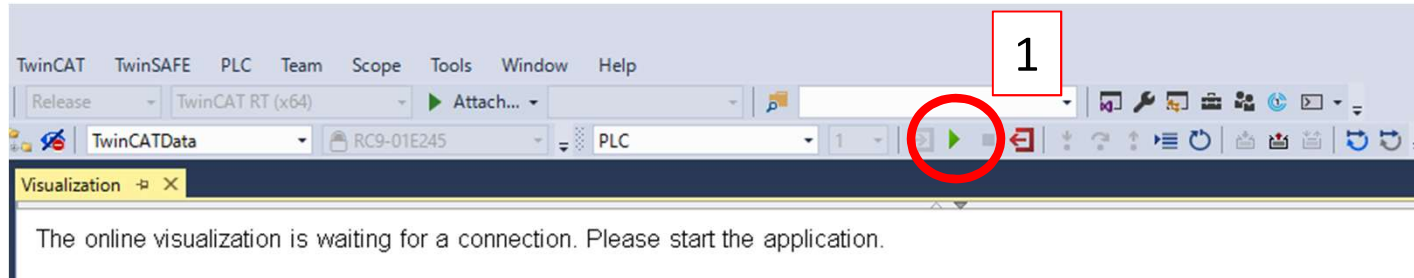
- 1) Click the [Login] icon.
- 2) Select as shown.
- 3) Click the [OK] button.



Select the [Login with online change.] if you do not want to stop PLC.  
In that case, please check the notes of "Command Online Change" from the following site.  
[https://infosys.beckhoff.com/index\\_en.htm](https://infosys.beckhoff.com/index_en.htm)

# Visualization operation check

- 1) Click the [Start] button.
- 2) It will be in the running state.
- 3) The changes will be reflected on the SmartTP side.



# Visualization editing

Click the [Logout] icon to return to the editing state.

