

Starting up the pipe-less plant

Marina Rantanen Modeer

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Log in on the PC as *pipelessplant*

Turn the PLC on (press the switch on the back).

Start the main GUI:

- Open folder “PipelssPlant_Chang5Feb” located on the desktop
- Open the .sln file with the standard software (Microsoft Visual Studio)
- Run the project (using the green “play button” in the top bar)
- Now the GUI should appear

Connect to PLC:

- Click “Connect to PLC” in the top bar of the GUI. When the connection is established there will be green dots blinking in the lower right corner of the GUI.

Start AGV:

1. Turn AGV(s) on (press power switch on the top of the robot)
2. Click “Configure robot server” in the top bar of the main GUI. Change the IP address in the pop-up dialog to 192.168.0.200 (or use ipconfig in a command window to check what the current IP address is) and click “Save and start”
3. Verify that the Robot server started (read message in GUI message window)
4. Open PuTTY (located on the PC desktop)
5. Load the pre-defined AGV ID from the list (e.g. Robot2, IP:192.168.0.102)
6. Log in as *root*
7. Copy and paste the top line in the .txt file saved on the PC desktop into the command window