

## **RAB2-CO2 evaluation board getting started**

# Getting Started with Rutronik Evaluation Kit – RAB2-CO2.



**1.) Register or sign in to the my Infineon portal.**

**<https://www.infineon.com/cms/en/myInfineon/p/profile/>**

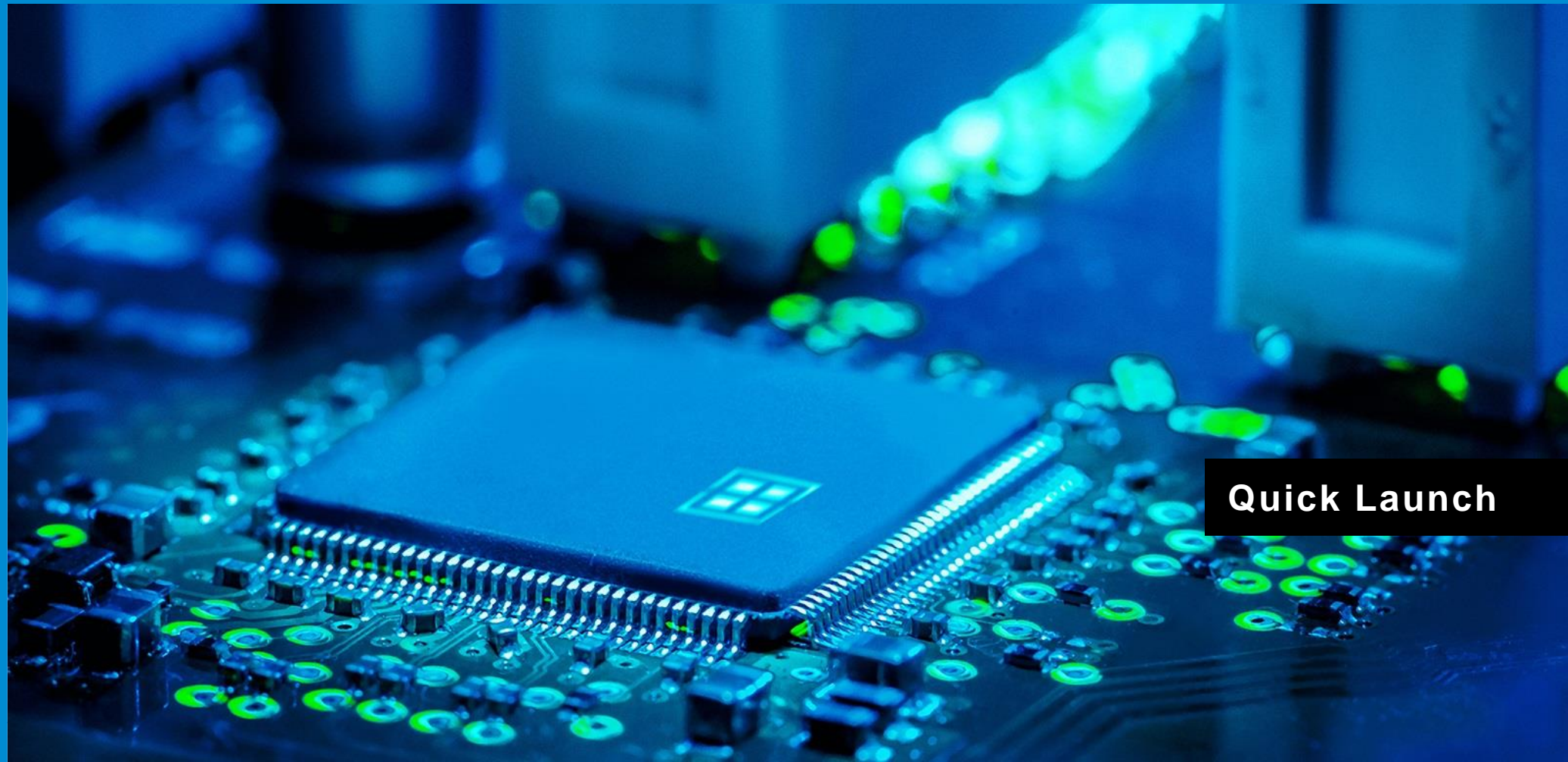
**2.) Download and install the ModusToolbox IDE.**

**<https://www.infineon.com/cms/en/design-support/tools/sdk/modustoolbox-software/?>**

**3.) Download or get RAB2-CO2 demo firmware for a RDK2 development kit from [Rutronik](#).**



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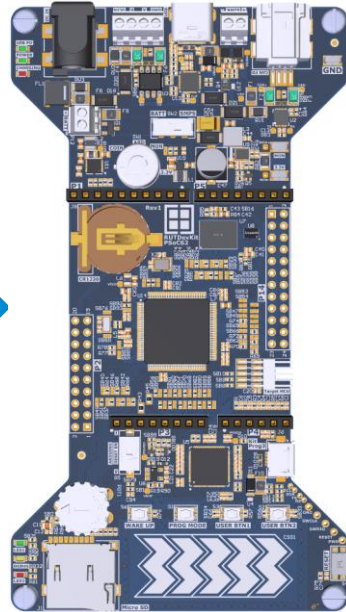


**Quick Launch**

## 1.) Required hardware for quick lunch.



**RAB2-CO2  
evaluation board**



**RDK2 Rutronik  
evaluation board**



**Have Micro  
USB Cable - A  
to Micro B**



**Connect with  
Windows  
based PC**





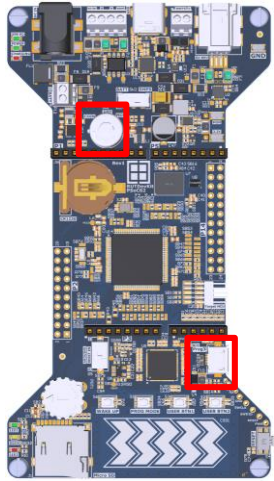
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A close-up photograph of a microchip mounted on a circuit board. The chip is square with a grid of pins around its perimeter. The circuit board is populated with various electronic components, including capacitors and resistors. The scene is illuminated with a strong blue light, and there are several bright green light sources in the background, creating a bokeh effect. A black rectangular box is overlaid on the right side of the image, containing the text "Hardware configuration".

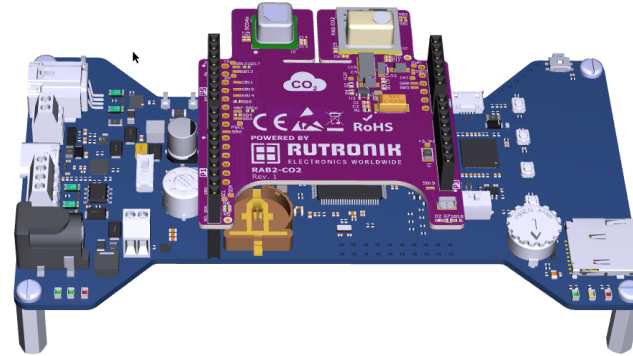
**Hardware configuration**

# RAB-CO2 and RDK2 connection

## Connect the RAB-CO2 to RDK2 to PC



Ensure the switch SW1 is set to “3.3V”, connect USB cable to “KitProg3”.



Connect RDK2 and RAB2-CO2 into the Arduino headers

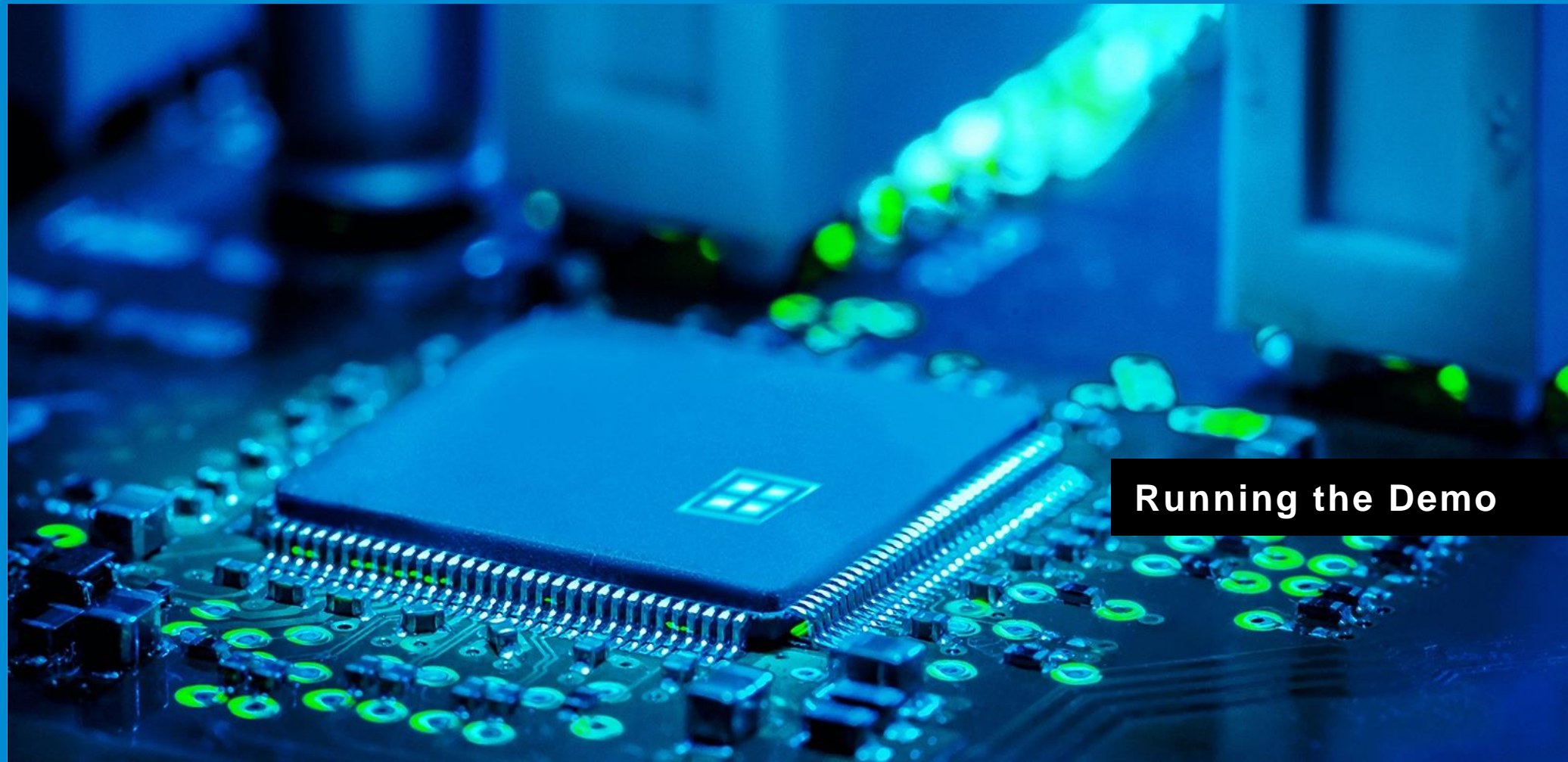


Connect with PC



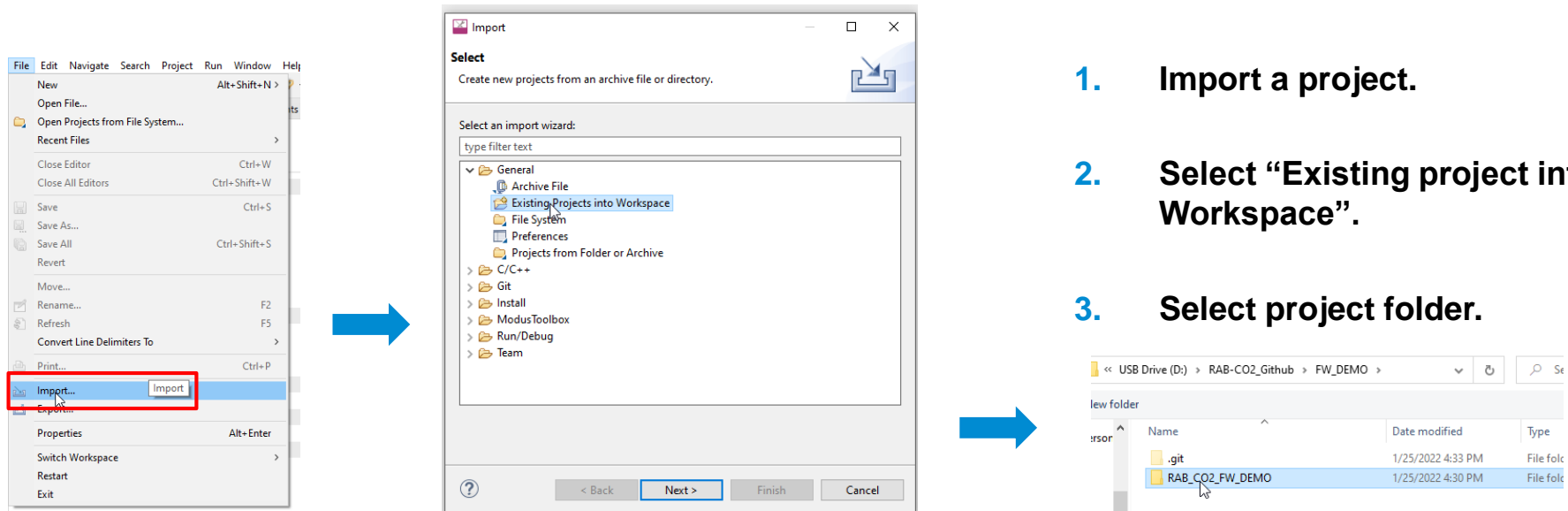


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Running the Demo

## Launch Modus toolbox application and open default workspace.

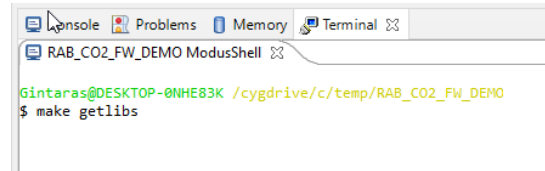
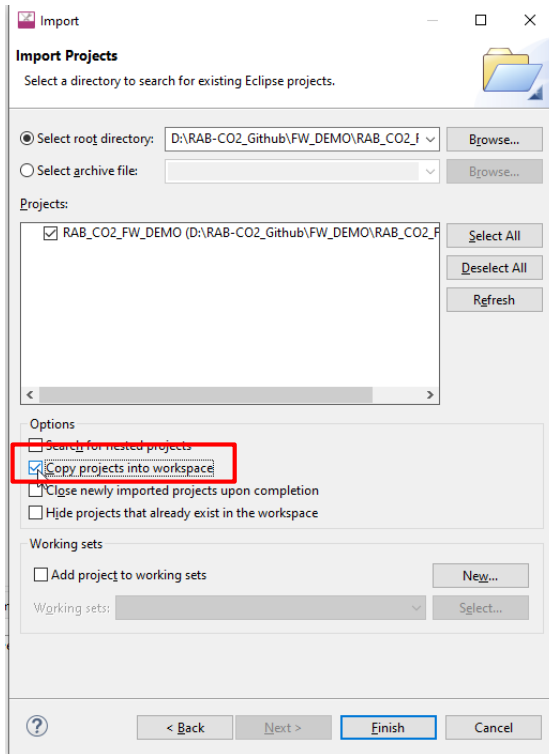


The diagram illustrates the process of importing a project into the Modus toolbox application. It consists of three main steps:

- 1. Import a project.** The first step shows the 'File' menu with the 'Import...' option highlighted. A red box around 'Import...' and a blue box around the 'Import' button in the 'Import' dialog indicate the selection process.
- 2. Select "Existing project into Workspace".** The second step shows the 'Import' dialog with the 'Existing Projects into Workspace' option selected under the 'General' category.
- 3. Select project folder.** The third step shows a file explorer view with the path 'USB Drive (D:) > RAB-CO2\_Github > FW\_DEMO'. The 'RAB\_CO2\_FW\_DEMO' folder is selected.

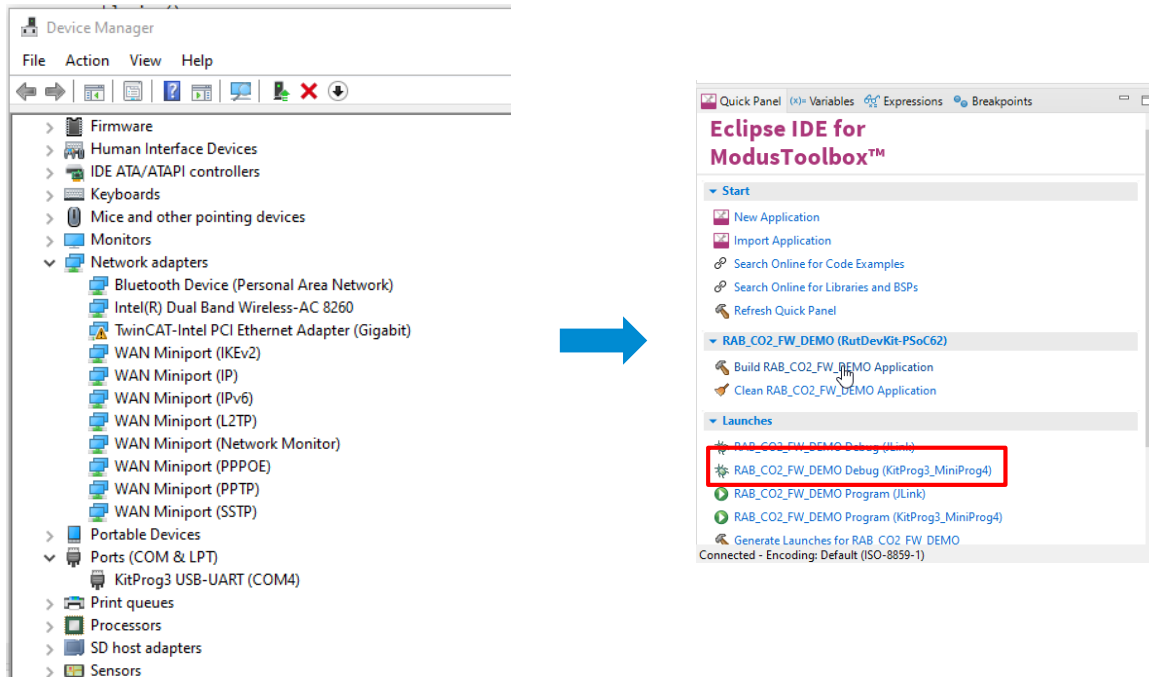


## Import project.



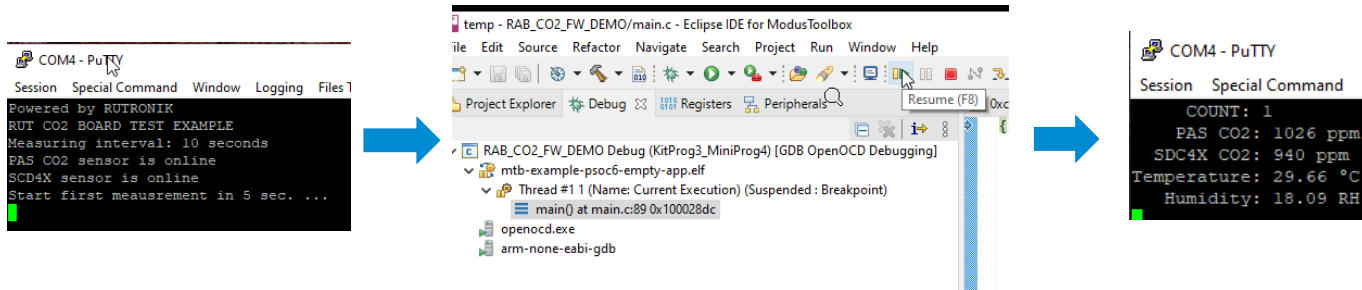
1. Select “Copy projects into workspace”, press “finish”
2. After import of the project open terminal and update libraries by executing command “**make getlibs**”

## 4.) Run the project.



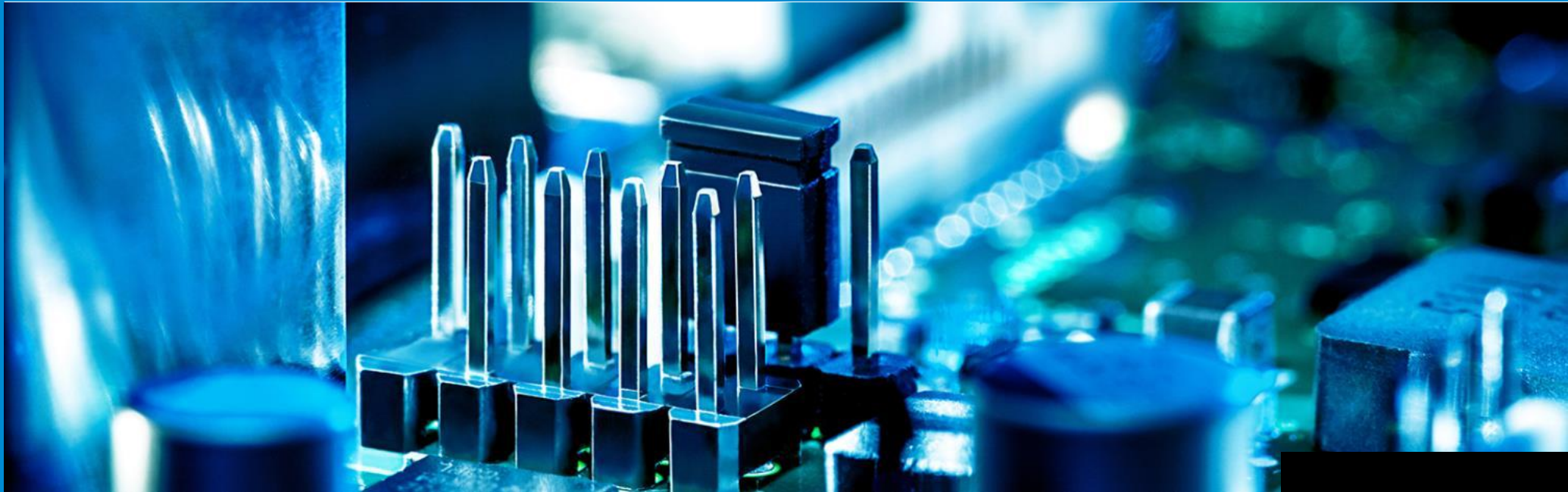
1. Open device manager and check which communication UART port assigned to Kitprog3 Run “Debug
2. Open your favorite terminal application, i.e. Putty. Should be printed to terminal information message.
3. Run “Debug (kitprog3\_MiniProg4) from Quick launch panel.

## 4.) Check readings.



1. Open terminal, check information message.
2. Run debug by pressing F8 or "Resume" button.
3. Check sensors readings in Putty terminal window.





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