RAB2-CO2 evaluation board getting started

Getting Started with Rutronik Evaluation Kit – RAB2-CO2.

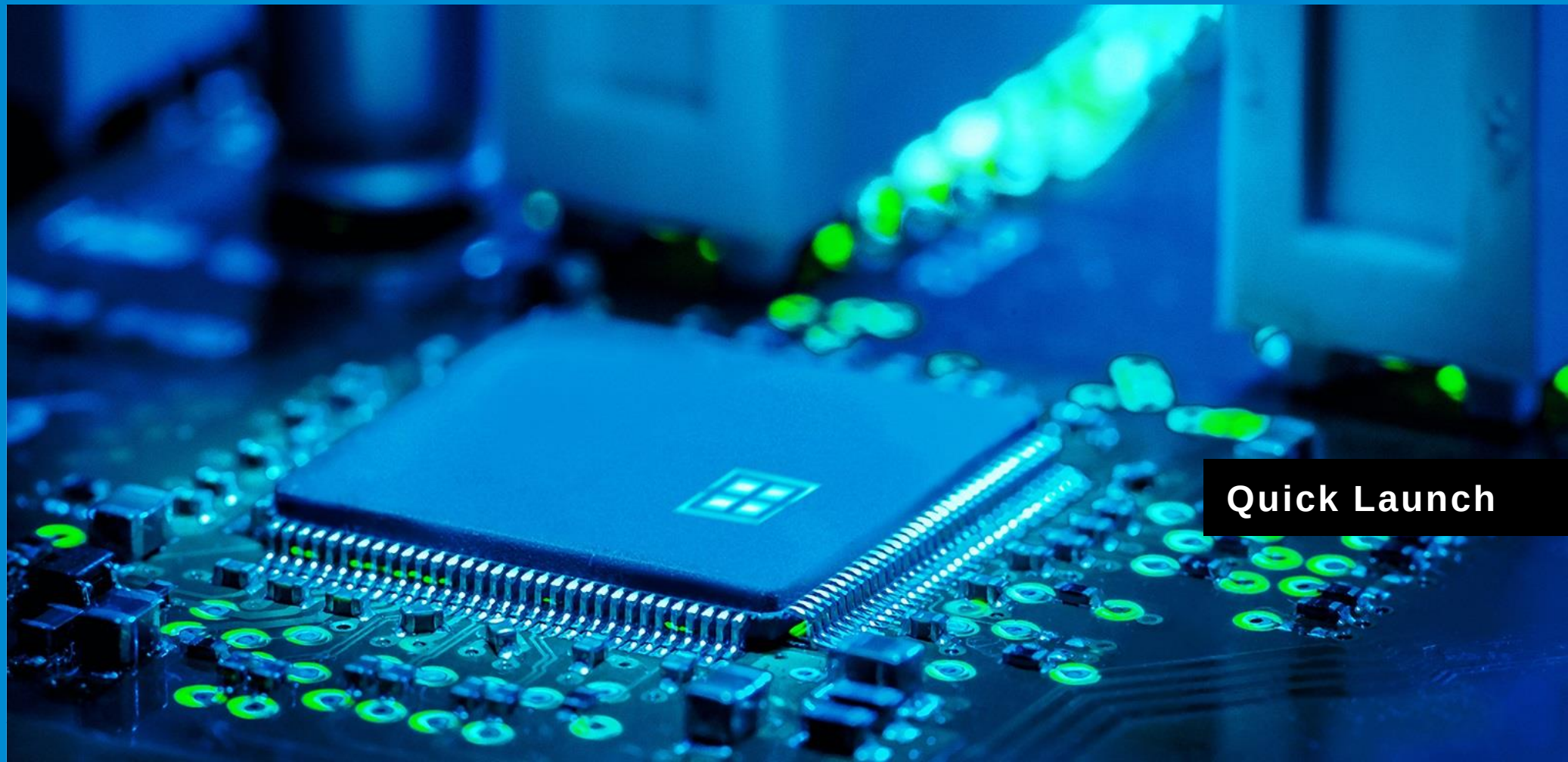
Registration & Download

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.

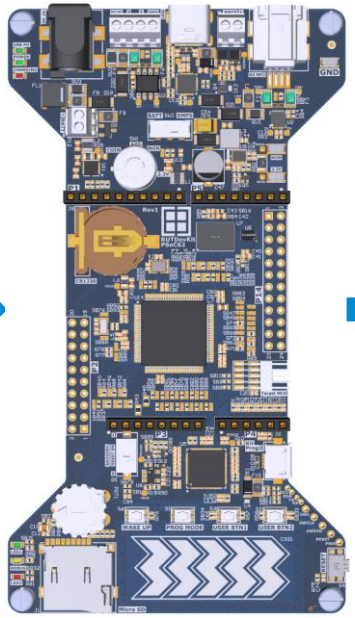
RUTRONIK
ELECTRONICS WORLDWIDE



Quick Launch

1.) Required hardware for quick lunch.

RAB2-CO2 evaluation board

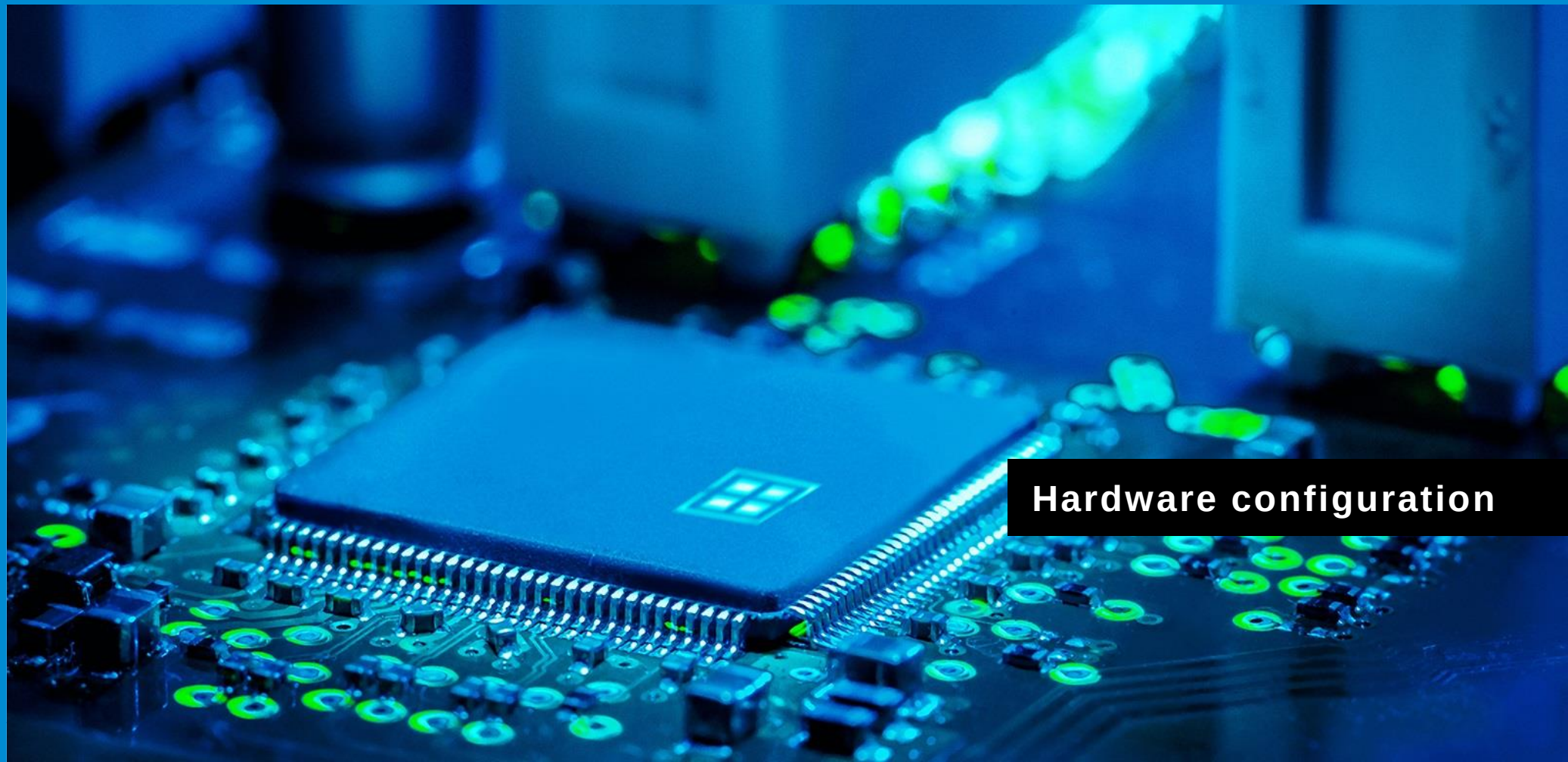


RDK2 Rutronik evaluation board

Have Micro USB Cable - A to Micro B

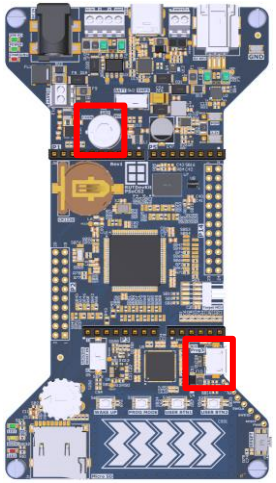
Connect with Windows based PC

RUTRONIK
ELECTRONICS WORLDWIDE

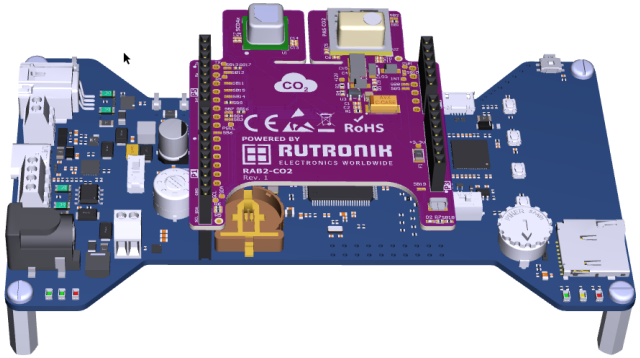


Hardware configuration

Connect the RAB-CO2 to RDK2 to PC



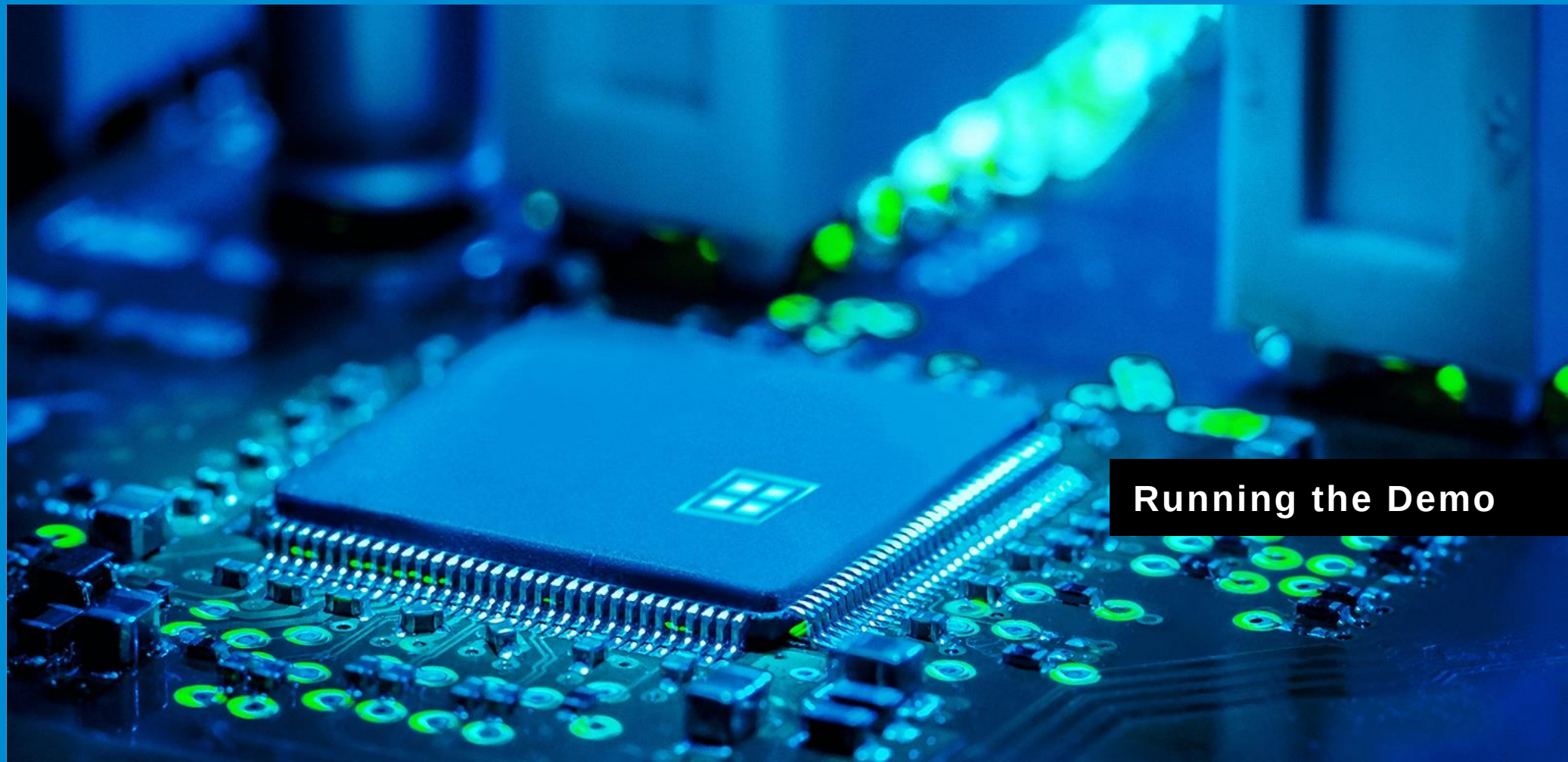
Ensure the switch SW1 is set to “3.3V”, connect USB cable to “KitProg3”.



Connect RDK2 and RAB2-CO2 into the Arduino headers

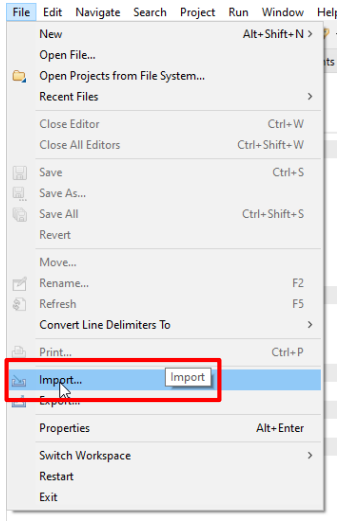
Connect with PC

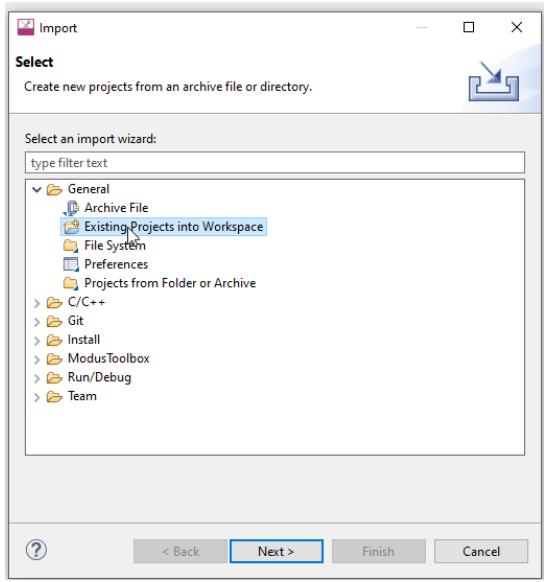
RUTRONIK
ELECTRONICS WORLDWIDE



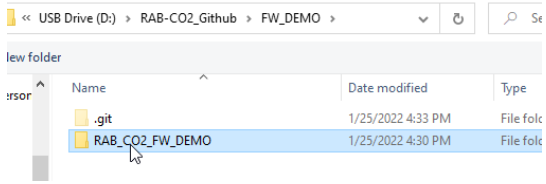
Running the Demo

Launch Modus toolbox application and open default workspace.

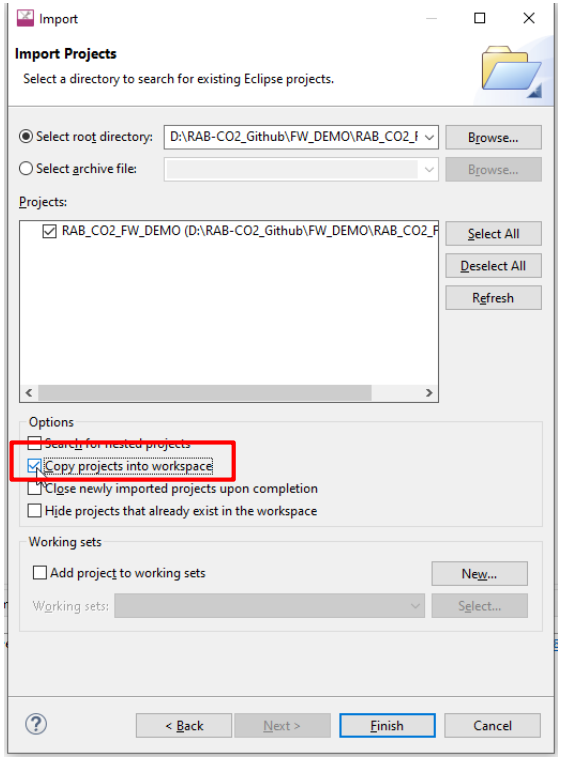


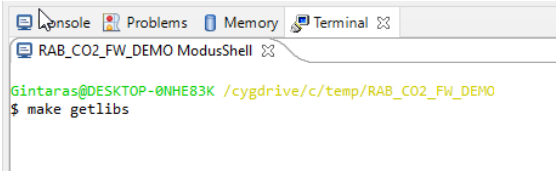


1. Import a project.
2. Select “Existing project into Workspace”.
3. Select project folder.



Import project.

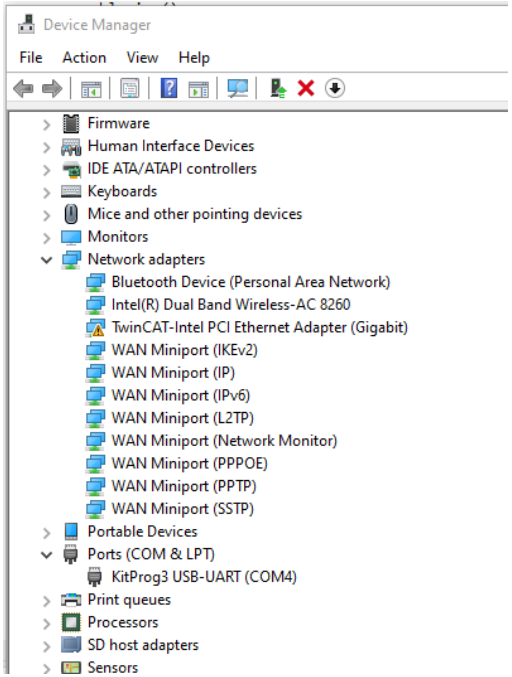


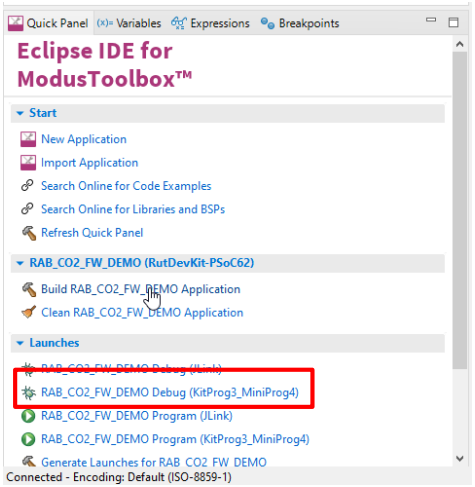


1. **Select “Copy projects into workspace”, press “finish”**

2. **After import of the project open terminal and update libraries by executing command “make getlibs”**

4.) Run the project.



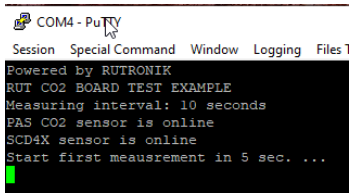


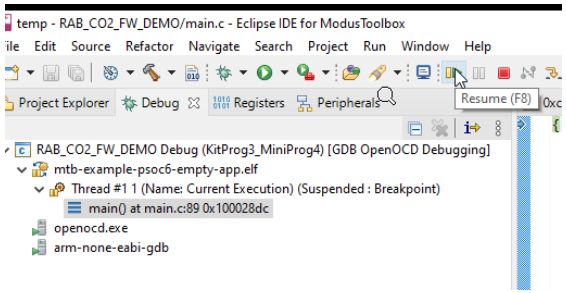
1. **Open device manager and check which communication UART port assigned to Kitprog3 Run “Debug**

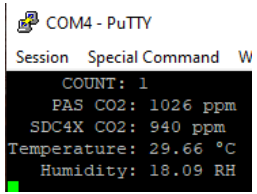
2. **Open your favorite terminal application, i.e. Putty. Should be printed to terminal information message.**

3. **Run “Debug (kitprog3_MiniProg4) from Quick launch panel.**

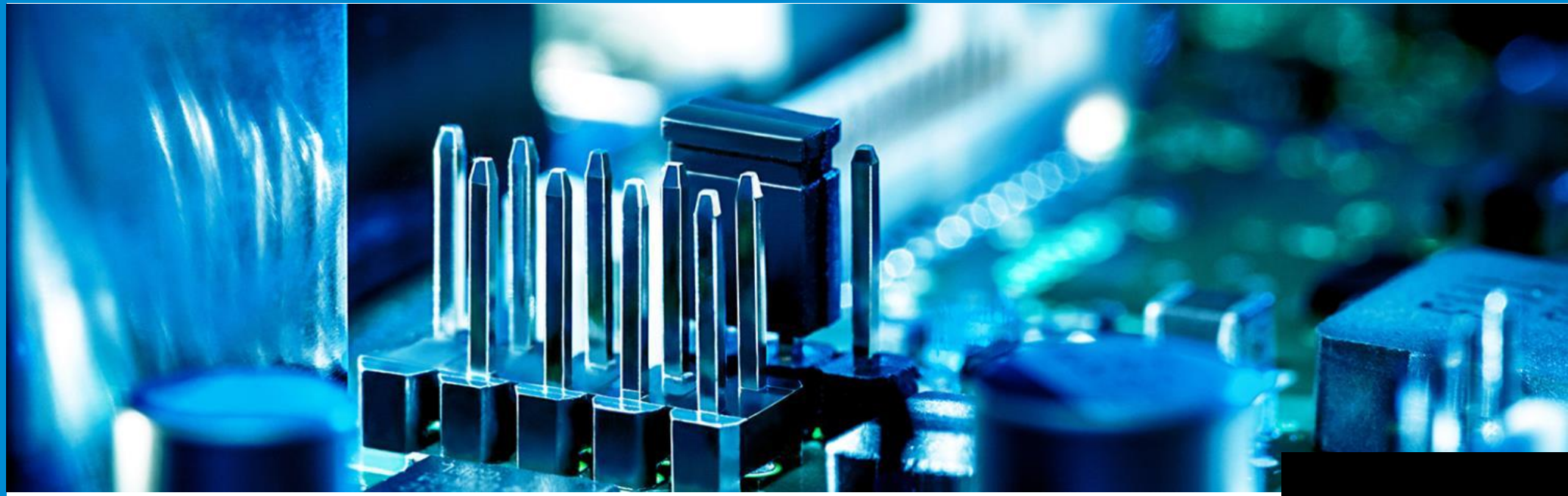
4.) Check readings.







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



Andrius Daubaras
Technical Support
Phone : +370 372 245243
eMail : andrius.daubaras@rutronik.com