

BLE_CO2_SensorNetwork Import, Configure & Flash using WICED- Studio v6.4

MCI – EMERGING APPLICATIONS LAB

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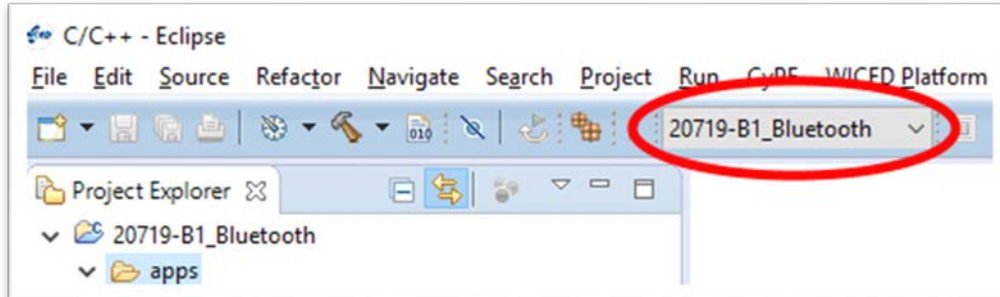
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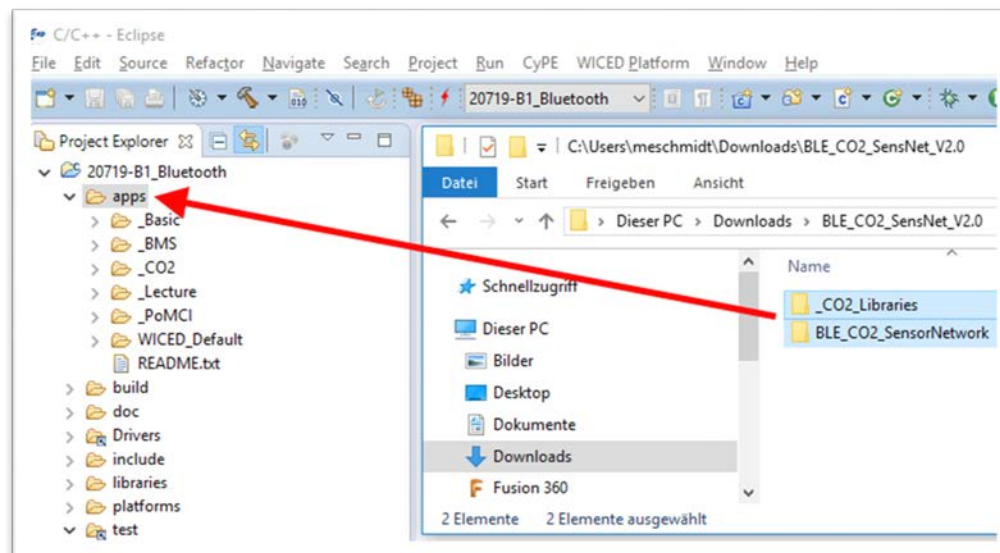
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Import the latest software version into WICED-Studio v6.4:

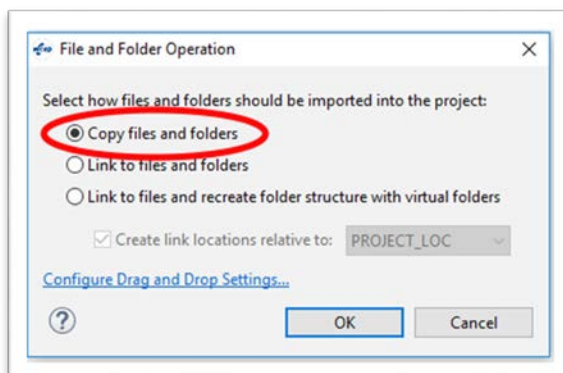
1. Download the latest software release from **Github** (*.zip-File).
(Link: <https://github.com/Infineon/AQM-Sensorhub/releases>)
2. Unzip the *.zip-File.
3. Open **WICED-Studio v6.4** and select **20719-B1_Bluetooth** as the active platform.



4. Navigate into your unzipped folder and mark both folders **_CO2_Libraries** and **BLE_CO2_SensorNetwork**.
5. **Drag & Drop** the two folders into the WICED-Studio workspace (onto the **apps**-Folder).

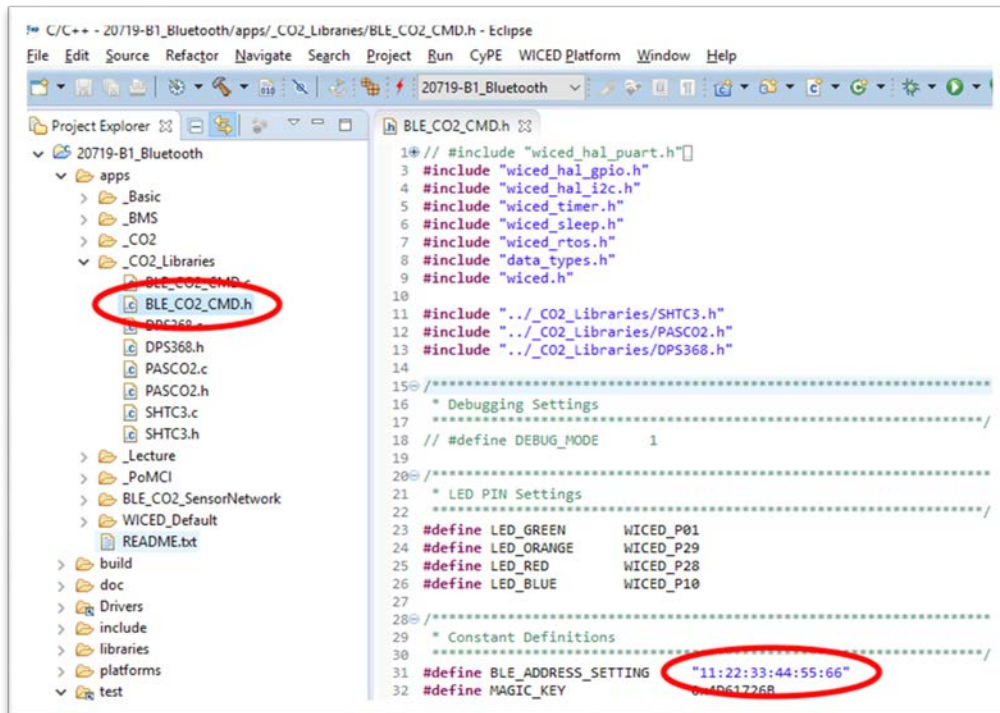


6. Select **Copy files and folders**.



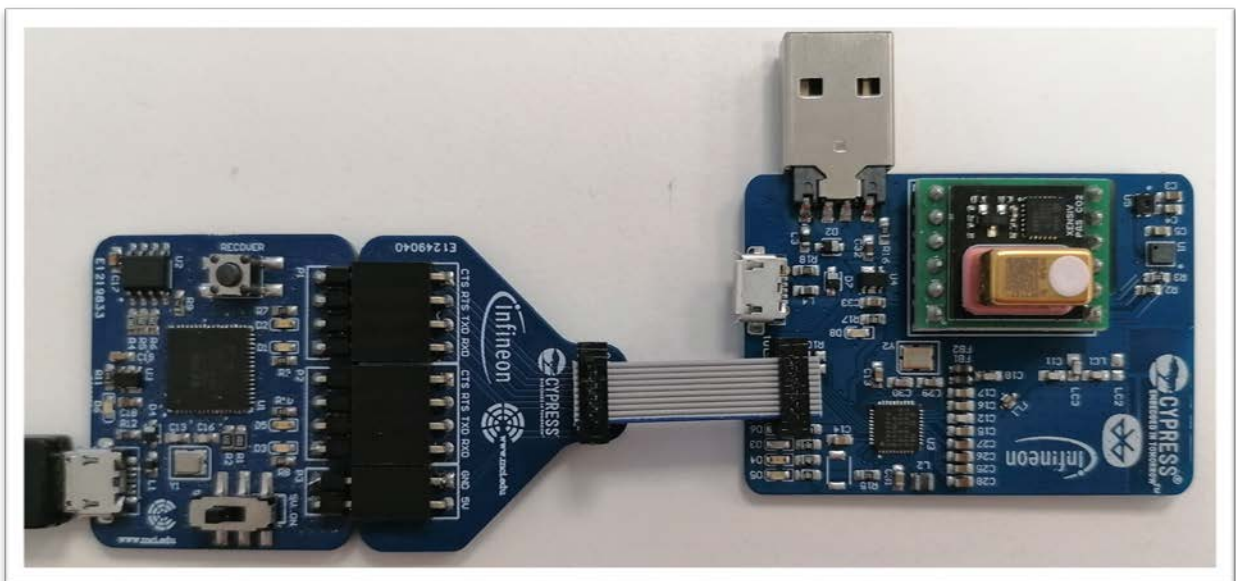
Configure the target Bluetooth address:

1. Open the file `\apps_CO2_Libraries\BLE_CO2_CMD.h`.
2. Change the value of `BLE_ADDRESS_SETTING` to the desired address. If available, use the Bluetooth address already designated on the backside of your device.



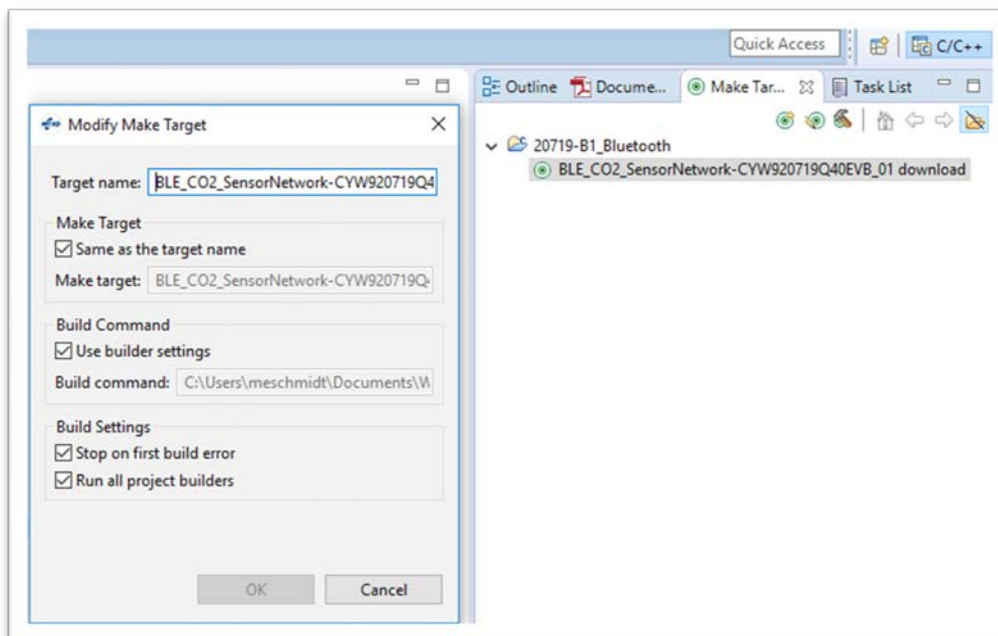
Connect the additional Debugger hardware:

1. Connect the provided Debugger to the **USB-Port** of your PC using a **Micro-USB** cable.
2. Connect the Debugger to your Sensor Network board using the provided **10-pin ribbon cable**. Please follow the direction of the ribbon cable as shown to prevent damages.
3. Make sure the power supply switch on the Debugger board is on **5V ON**.

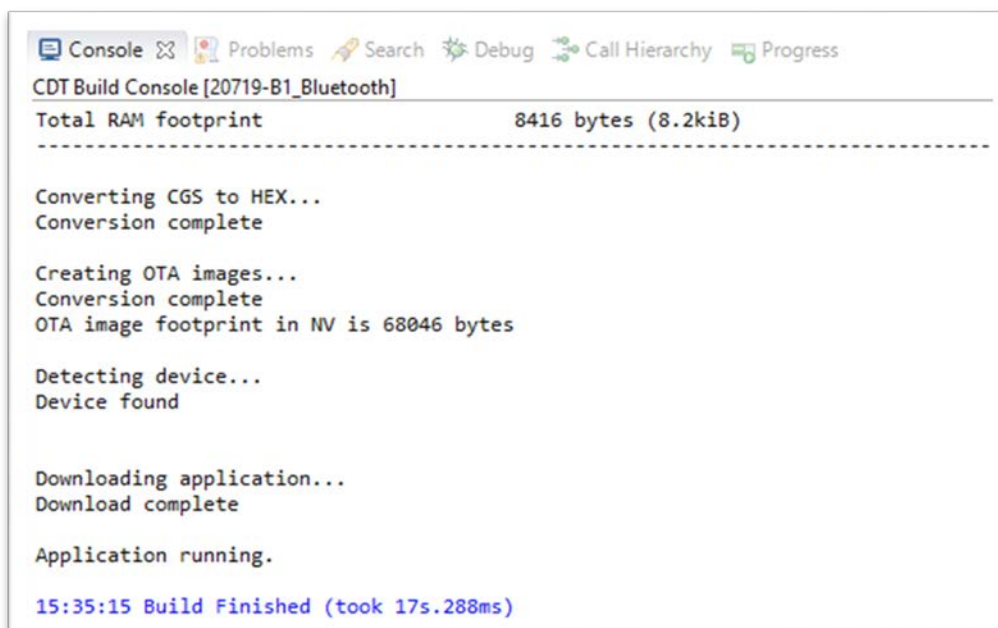


Flash the firmware onto your Sensor Network board:

1. At the right-hand side of **WICED-Studio**, create a new make target and use the following target name: **BLE_CO2_SensorNetwork-CYW920719Q40EVB_01 download**



2. Make sure the provided Debugger is connected as shown in the previous chapter.
3. Double-click the created **Make Target** and watch the output at the console.



4. If the upload failed, try to hold the **Recover** button while connecting the Sensor Network board to the Debugger board.