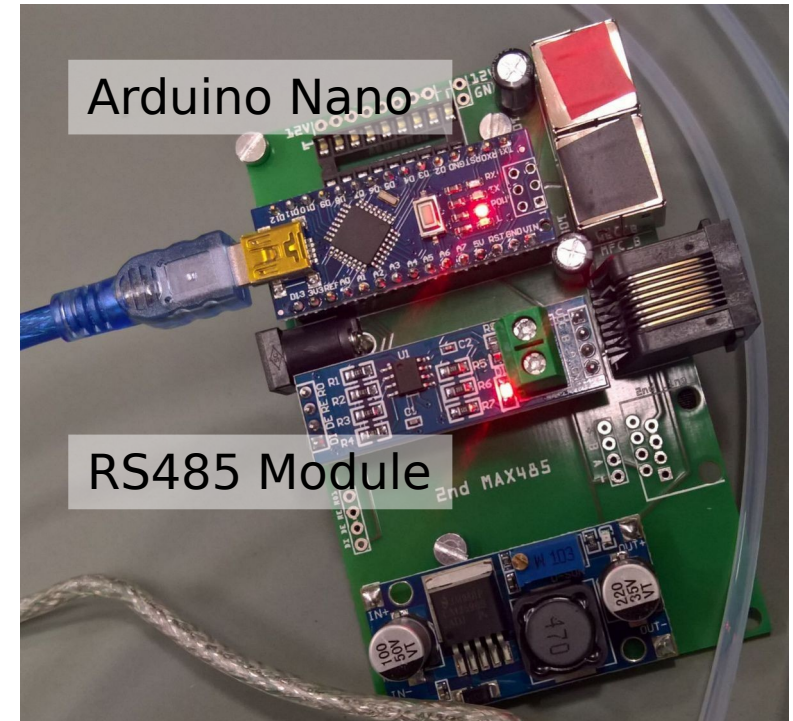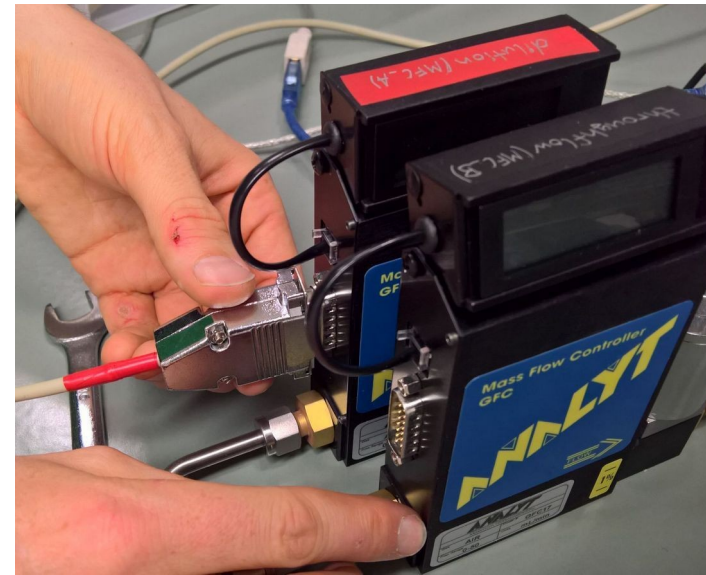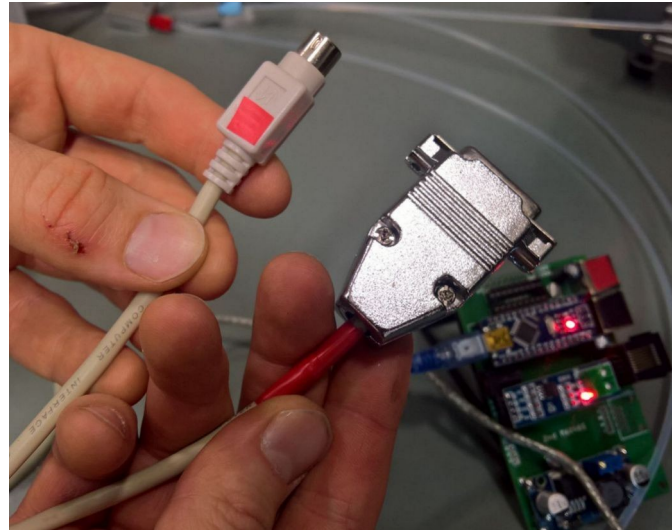# Controller board
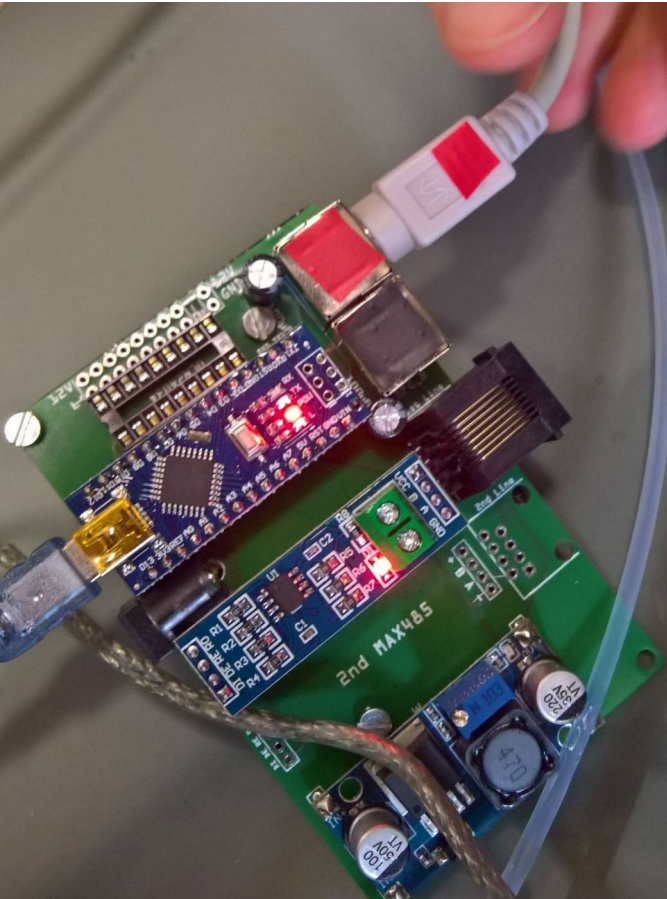
- Connect to Picarro (with the included Mini-USB cable)

- Red LEDs at Arduino and RS485 Module should be lit
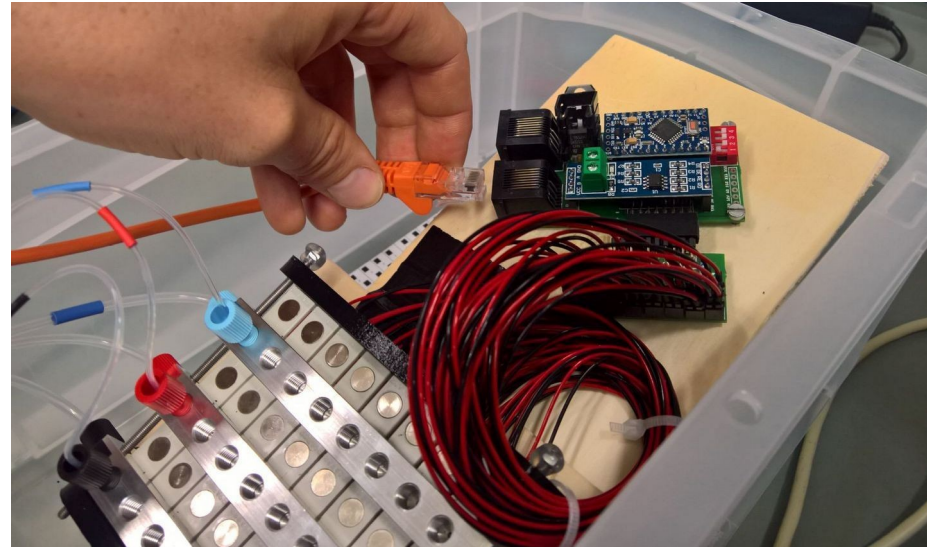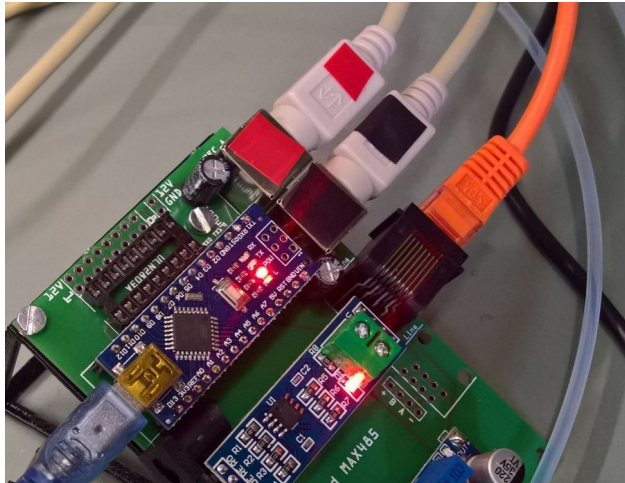

Arduino Nano

RS485 Module

Mass flow controllers (MFCs)

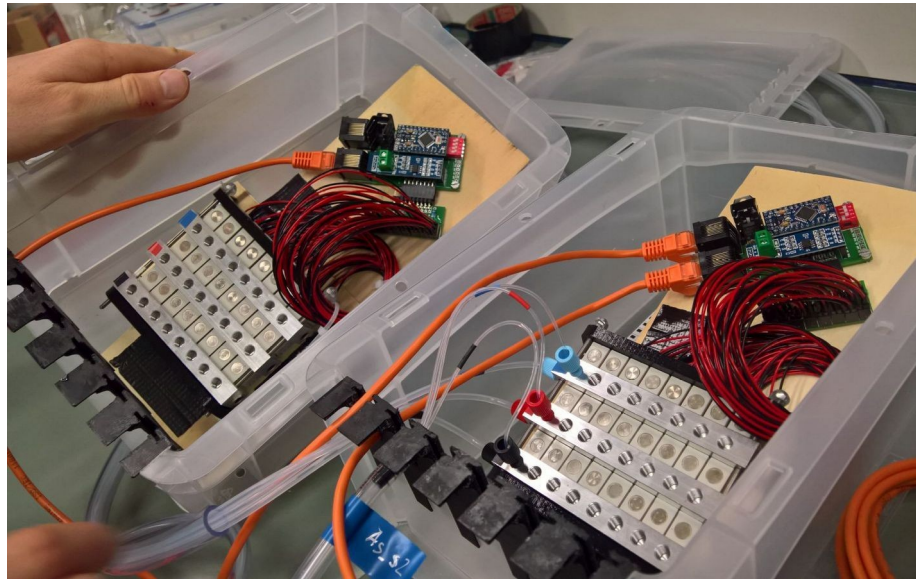- Use red cable for red flow MFC and black cable for black MFC

Controller → Plotbox

- Use Ethernet cable to connect
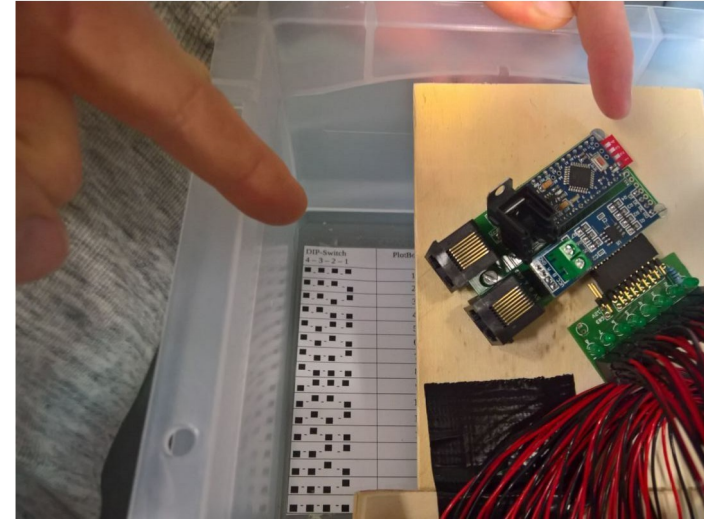- It does not matter which of the two ports on the plotbox is used

Plotbox → Plotbox

- Connect to the next plotbox with another Ethernet cable

Set plotbox address

- address of plotbox is determined by DIP-switch (right finger)

- each plotbox contains lookup table (left finger) listing addresses resulting from switch positions

- if all four switches are down, the controller goes into demo mode (cycling through all valves in rapid succession)

Power supply

- Plug included power supply into controller board

    → this powers up the flow controllers and the connected plot boxes

- Input voltages between 16 and 24 Volts should be fine