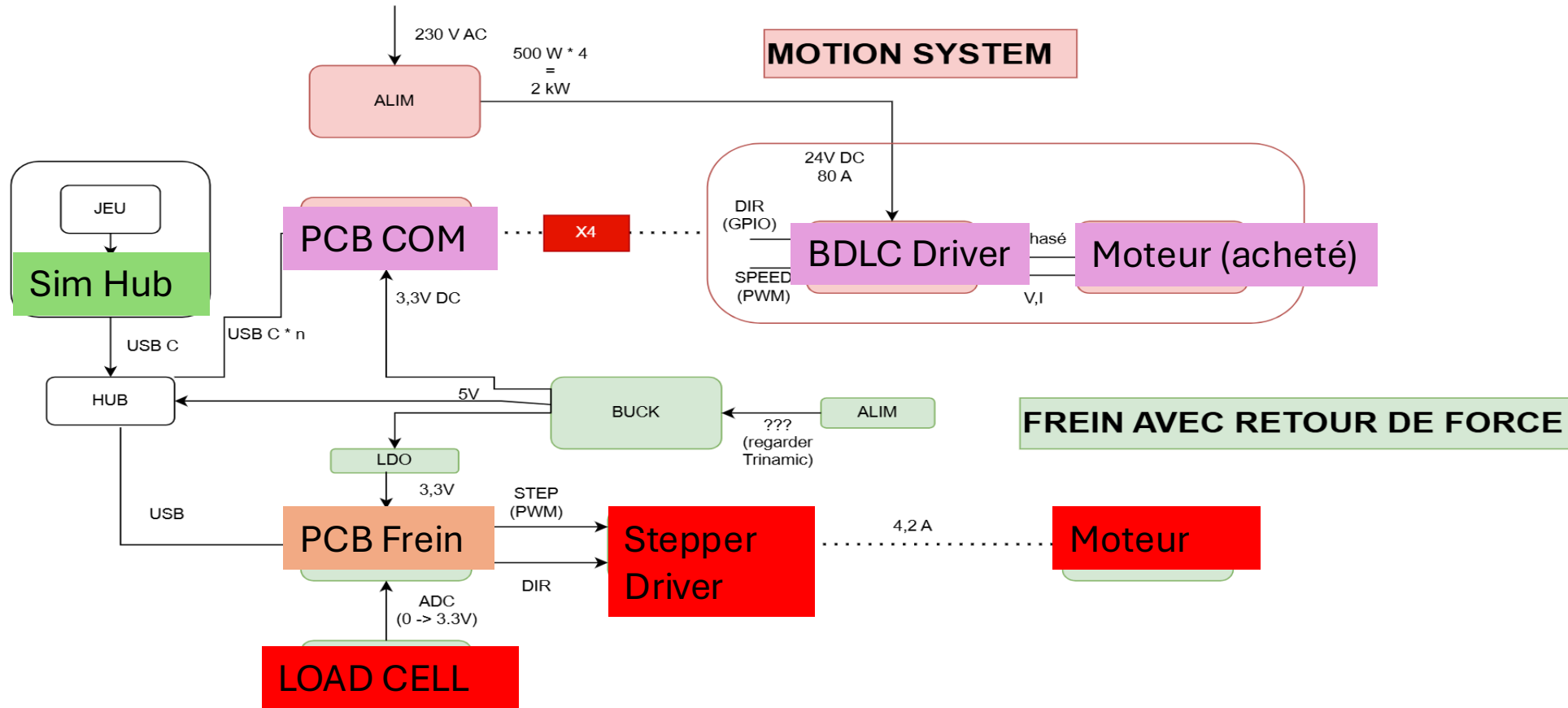


SIMU4DX

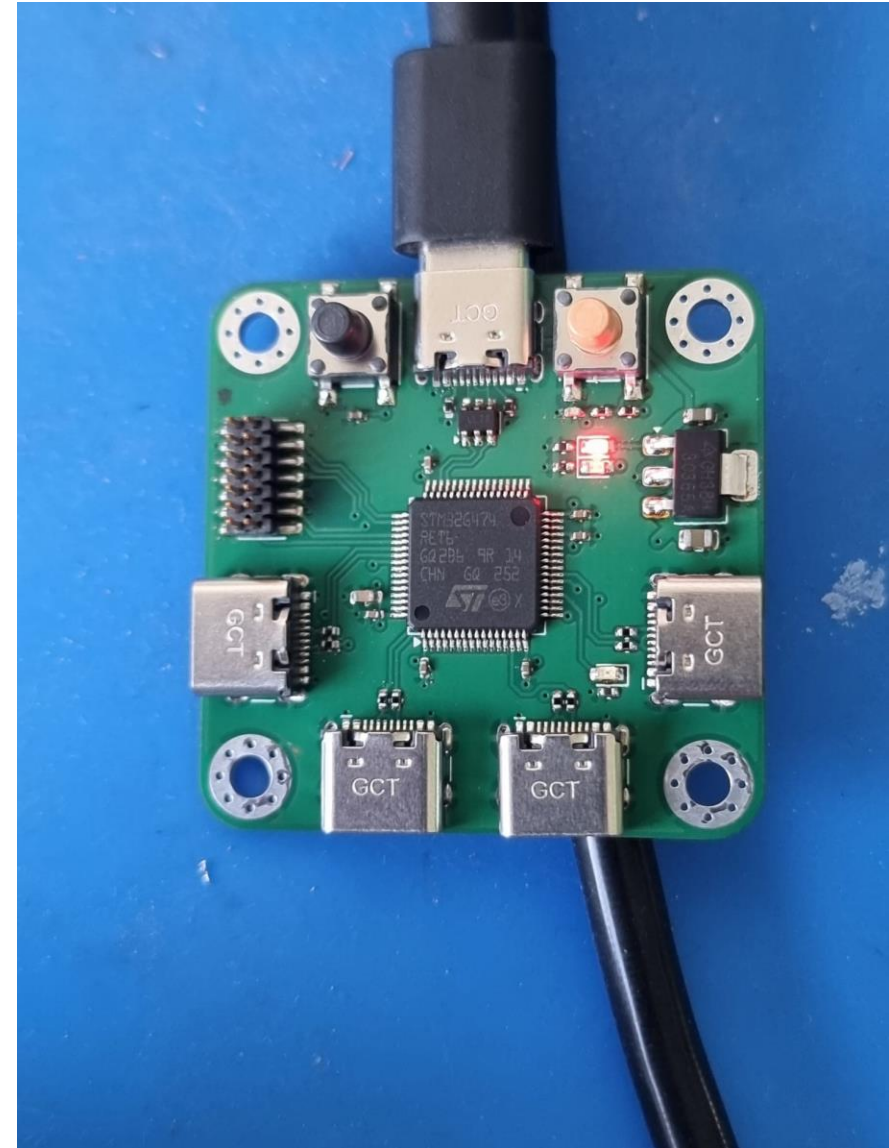
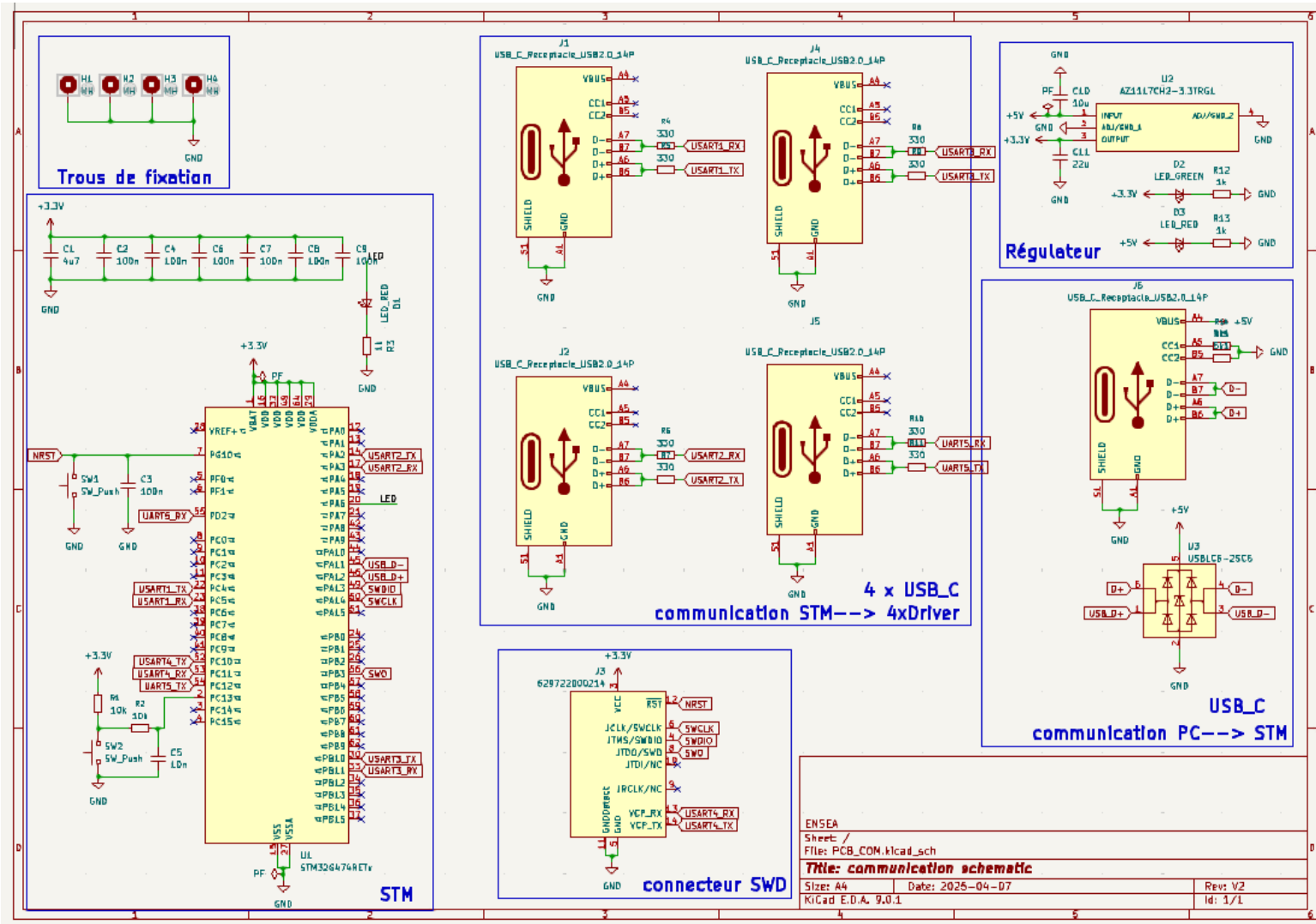


YOUSFI Bilal, project master
MIKOUNGUI Samuel, SimHub master
LAHJOUI Younes, soldering master
GHERRAS Mohammed-Amine, supervisor

SIMU4DX : Vue d'ensemble



SIMU4DX : PCB COM



SIMU4DX : SimHub

Axis limiting



Individual axis capacities based on your platerform dimensions (combined)

Pitch (front / rear)



+/- 8.5°

Roll (left / right)



+/- 14.0°

Heave (up / down)



+/- 75.0mm

If you can't use the whole capacity of your platform (IE tight space, fixed monitor) you can use customized axis limiting to block the motion to your safe space. You can use manual control to safely test the angles.



Roll limit (+/- degrees)

SIMU4DX : SIMHUB

Serial settings

Baudrate

115200 ▼

Stop bits

1 ▼

Data bits

8 ▼

Parity

None ▼

"Idle" delay after serial port opening (ms)

0 + −

Flow control

☒ Enable RTS

☐ Enable DTR

Delay before sending any instructions (IE : Time for the board to boot and be ready for receiving communications.

Protocol control panel

[Add textbox](#) [Add checkbox](#) [Add slider](#) [Add combobox](#) [Add group](#) [Add computed setting](#) ▲

Protocol settings

Number of controlled Axis

3 + −

Axis output format

☐ Binary ☒ Decimal (string) ☐ Hex (string)

Axis resolution (Bit range)

8 + −

8 bits range : 0 to 255, Center value : 127, Binary representation : 1 bytes

Startup commands

start



Delay

1

Parsed : **start**

☐ Wait for incoming string before continuing

Motion update commands

<Axis1> <Axis2> <Axis3>



Delay

1000

Parsed : **Axis 1** **Axis 2** **Axis 3**

Shutdown commands

stop

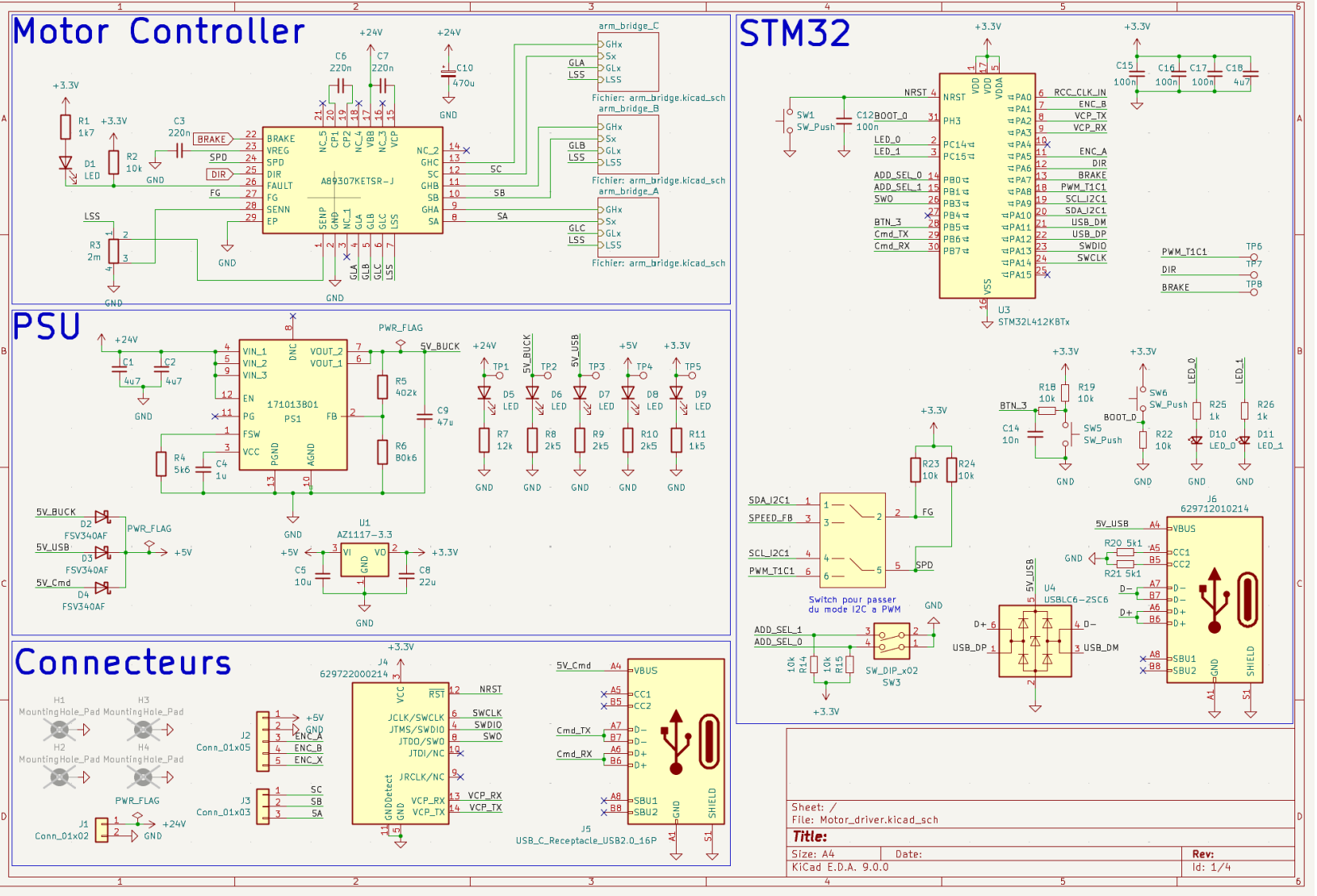


Delay

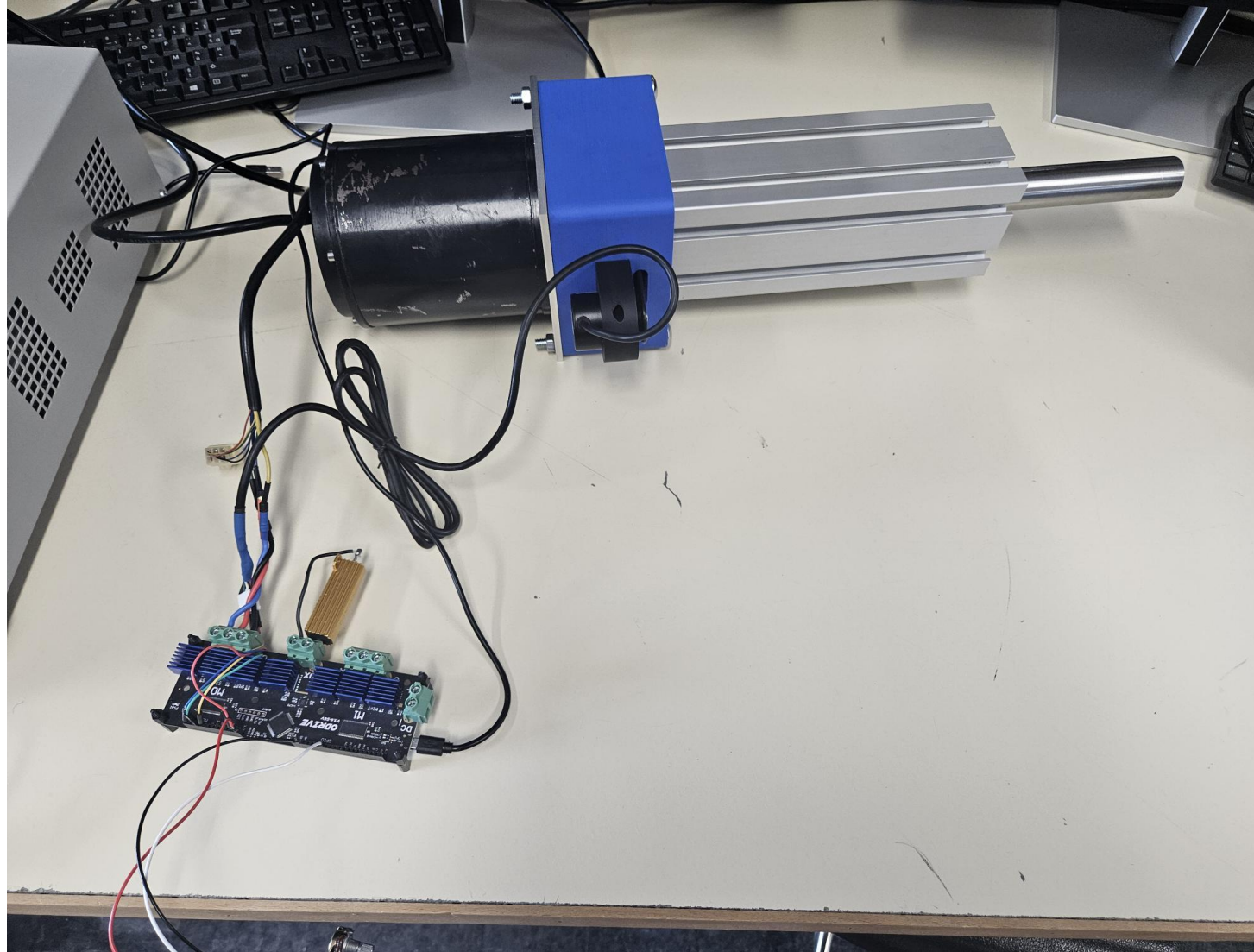
1

Parsed : **stop**

☐ Wait for incoming string before continuing



SIMU4DX : MECA + MOTEUR



SIMU4DX : POINT ECOLOGIE

Quelle réflexion avez-vous menée au cours de ce projet autour de la réutilisation d'éléments matériels pour la création de votre projet ?