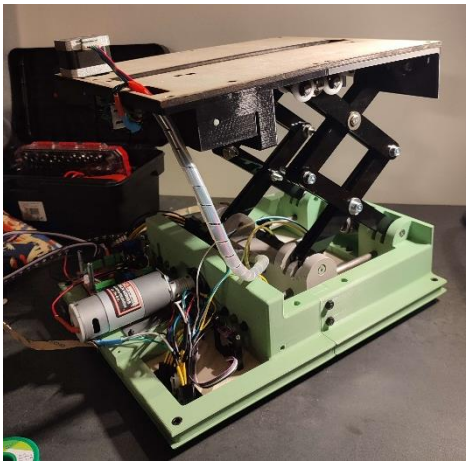
Hendrikse Jérémy

Session report 14

Before the session:

Before this session I printed the whole frame with the new filament we ordered, I also cut out with the laser cutting machine a prototype out of 5mm wood for the frame plate. I then assembled everything together and because I received the roller bearing, I was missing I could make a double stack lattice for the lift.

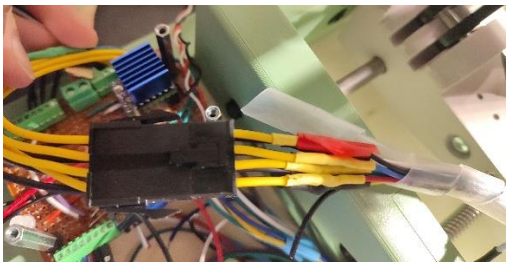
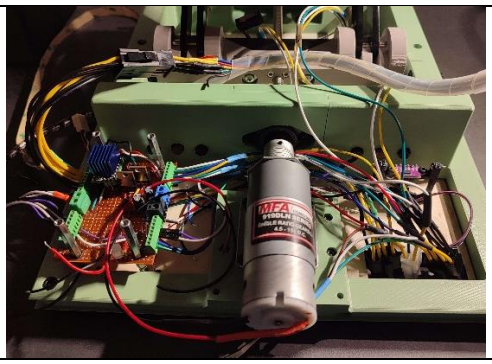


We can see on the image on the right, the final assembly of the project, but the platform needs to be printed in the right color and, I need to add a bit of strength to it because it bends.

During the session:

Now that I had nearly the last version of the V2 prototype I could start to reconnect all the sensors and motors and wire everything. I also have received the 8 pin and 4pin Molex connectors that will allow to detach and reattach the platform easily and the lower part of the robot and the upper part. I first estimated the length needed from the platform to the pcb stack cut the wire, welded it, and put some heat-shrink sleeve to protect the weld. I proceeded step by step to make sure everything was going out well.

On the images bellow we can see the 8 pin Molex male and female connecting the platform and the base, and on the other image a global overview.

	
8 pin male to female Molex connector that I cut in half and weld the sensors and motors wire to it.	Global wiring of the project, not finished so still a bit messy.