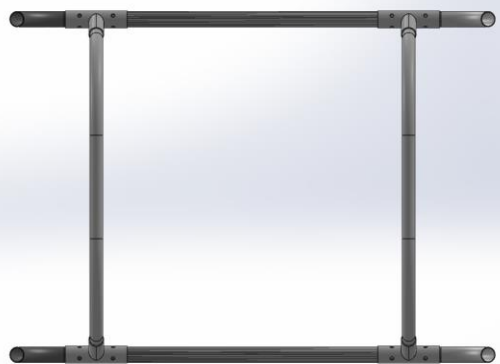
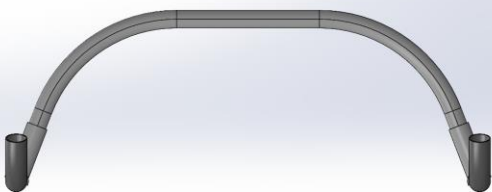
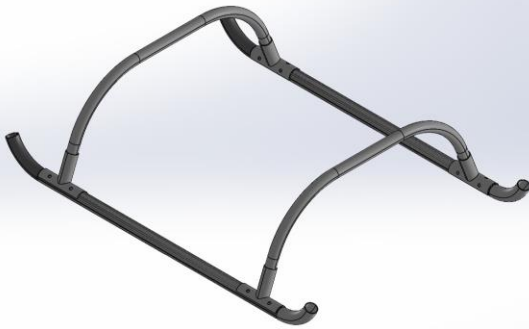


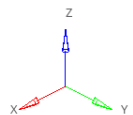
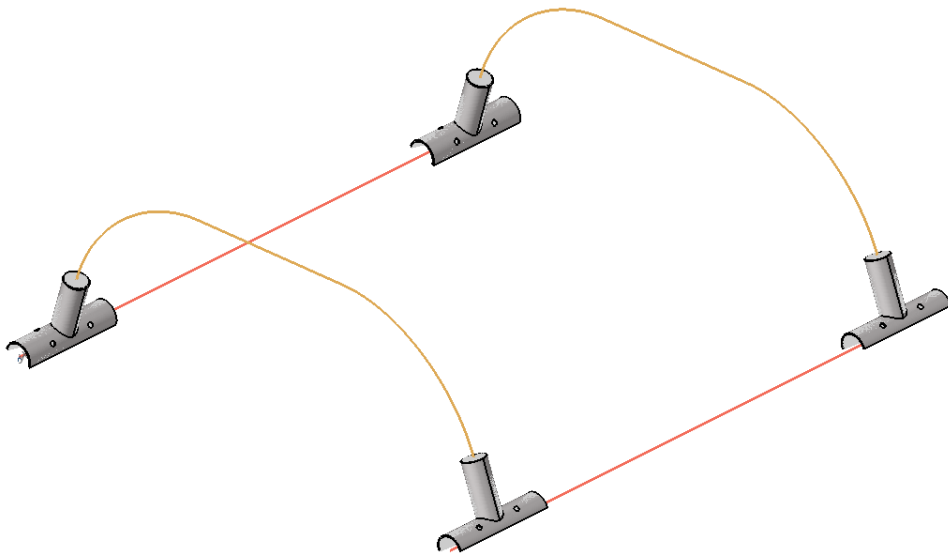
Prototyping: *Landing Gear, Horyzn Drone*

1. Step: CAD modeling (Catia 3DEXPERIENCE):



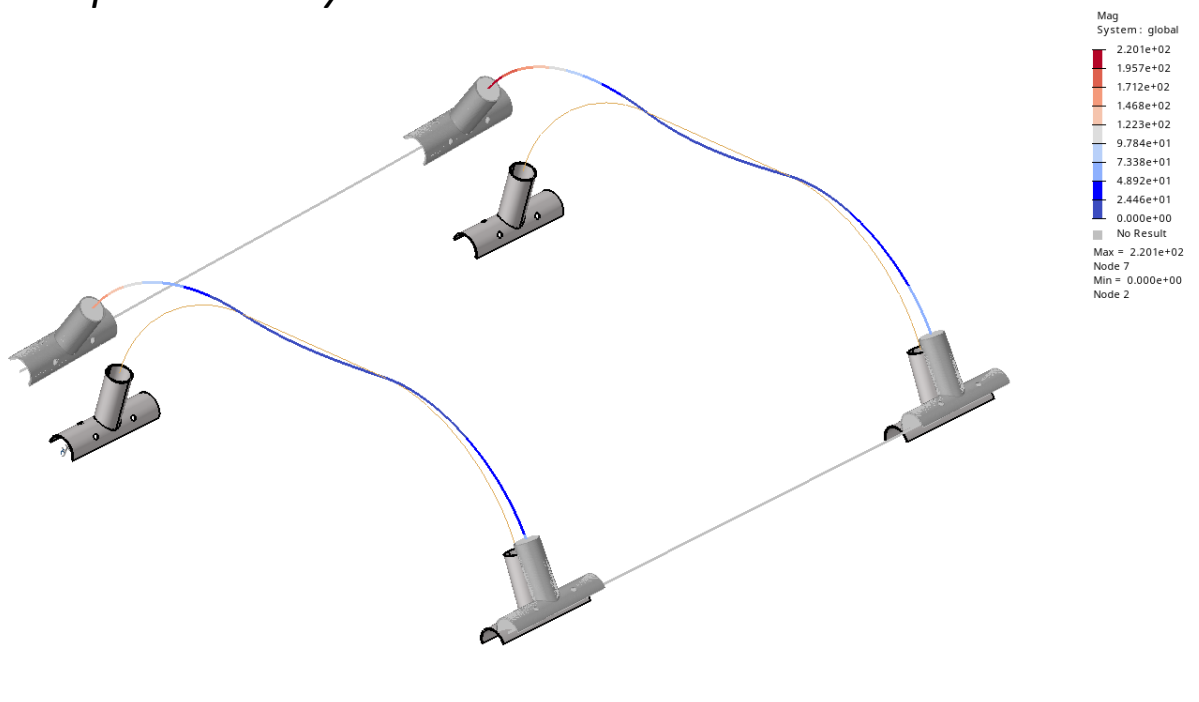
Prototyping: *Landing Gear, Horyzn Drone*

2. Step: FEM modeling, converting beams into 1D mesh elements to allow quick interchanging of cross sections (Hypermesh, Optistruct)



Prototyping: *Landing Gear, Horyzn Drone*

3. Step: *FEM analysis*



Prototyping: *Landing Gear, Horyzn Drone*

4. Step: Manufacturing (1/2) (done together with the team)



Prototyping: *Landing Gear, Horyzn Drone*

4. Step: Manufacturing (2/2) (done together with the team)



Prototyping: *Landing Gear, Horyzn Drone*

5. Step: Testing (done together with the team)

Drop test:

<https://youtube.com/shorts/Kpsl9FThIVs?feature=share>

Flight test:

<https://youtube.com/shorts/SeqNtlHW7CI?feature=share>