

H Y P E R X I T E

Future of Affordable and Sustainable Transportation

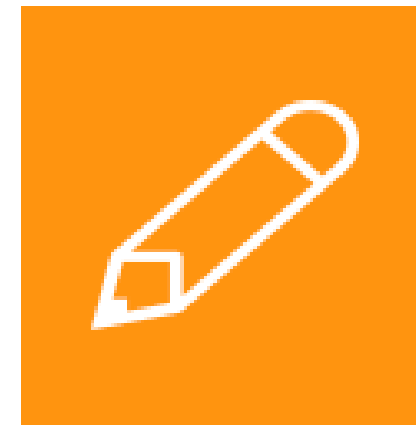


UCI Samueli School of Engineering



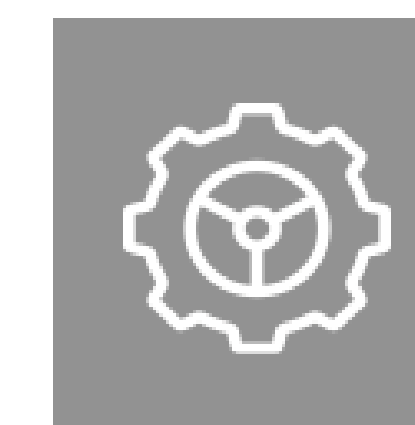
BACKGROUND

Established in 2015, HyperXite is a team of undergraduate students endeavoring to build a Hyperloop Pod.



GOAL

HyperXite's goal is to research, design, build and validate a scalable self-propelled pod to demonstrate the feasibility of Hyperloop design concepts at a high pace of innovation.

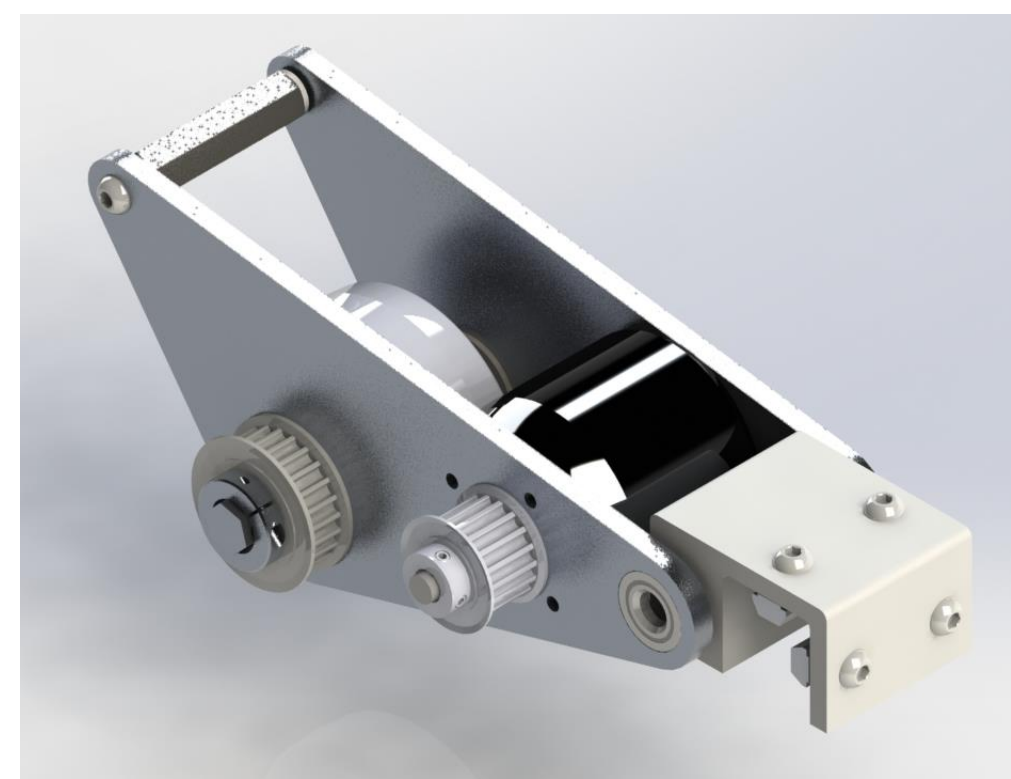


OBJECTIVES

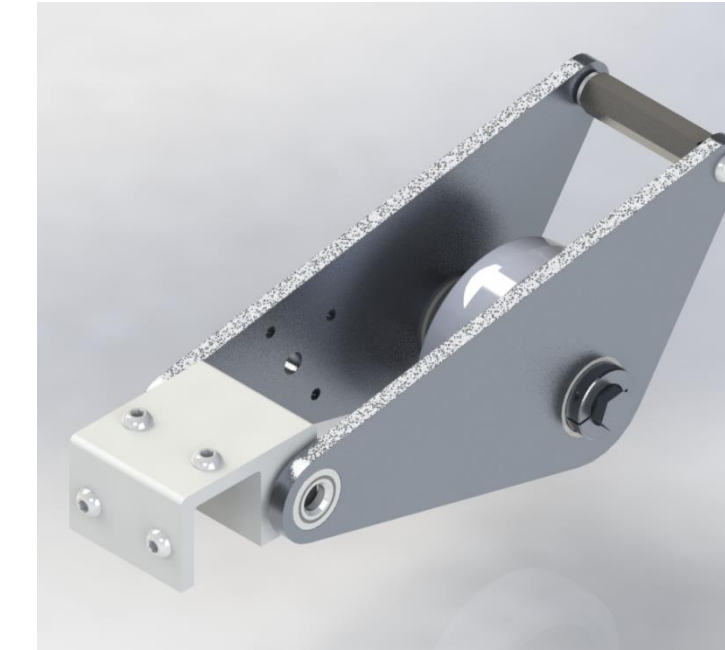
- Real-time pod behavior monitoring.
- Pod state data logging for comparison against models.
- Complete a safe pod run on test track.

PROPOSED TIMELINE

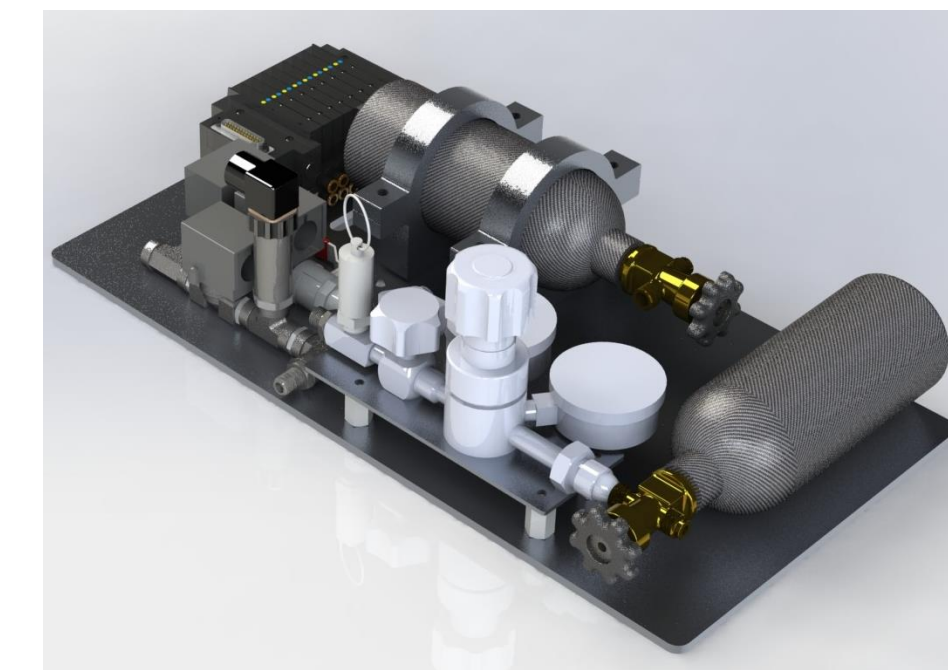
Pod Generation 1 CAD	November 5, 2020
Simulations Completed	January 4, 2021
Pod Generation 2 CAD	February 20, 2021
Procurement and Manufacturing	April 10, 2021
Pod Assembly	April 25, 2021
Functional Testing	May 10, 2021
Subsystem Testing	May 20, 2021
Design and Manufacturing Updates	May 30, 2021
Full Pod Testing	June 10, 2021



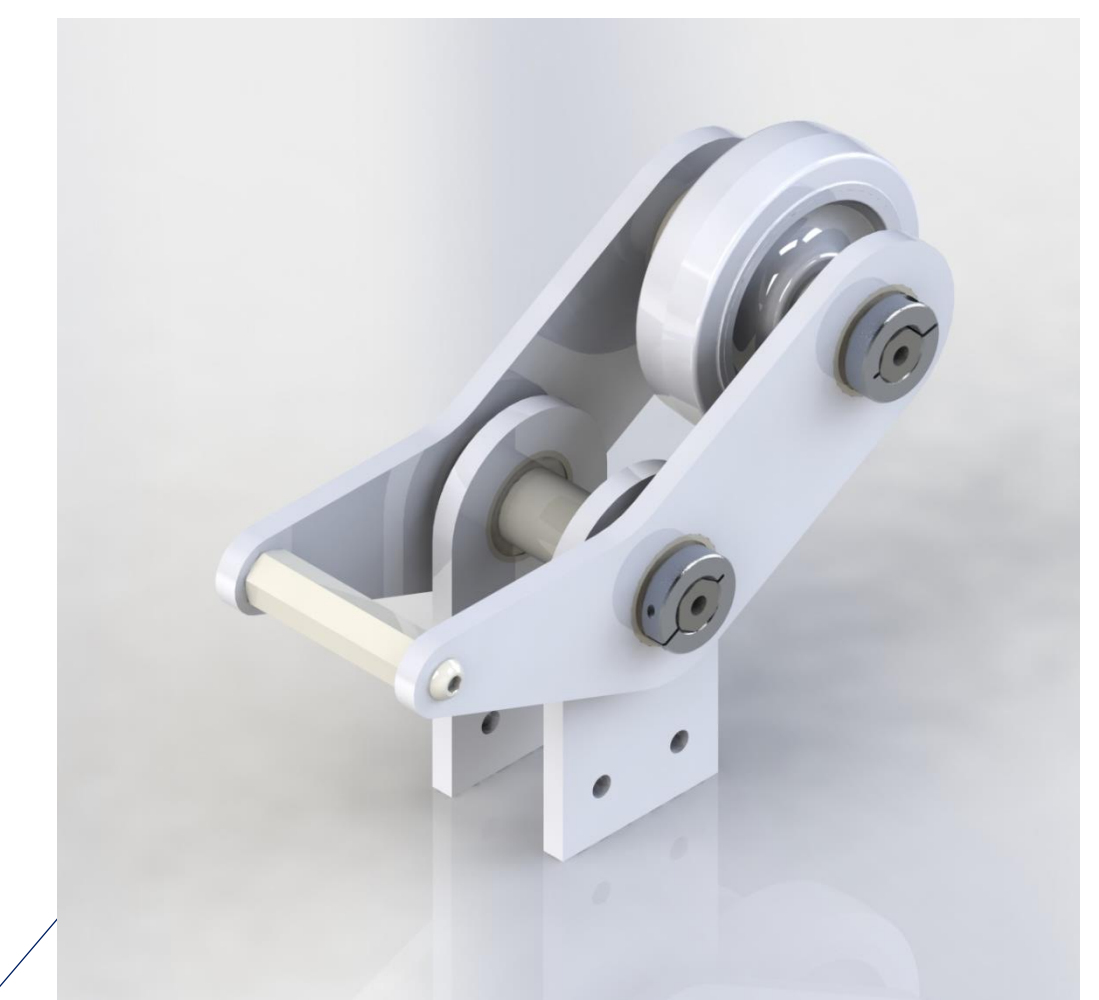
Propulsion Assembly



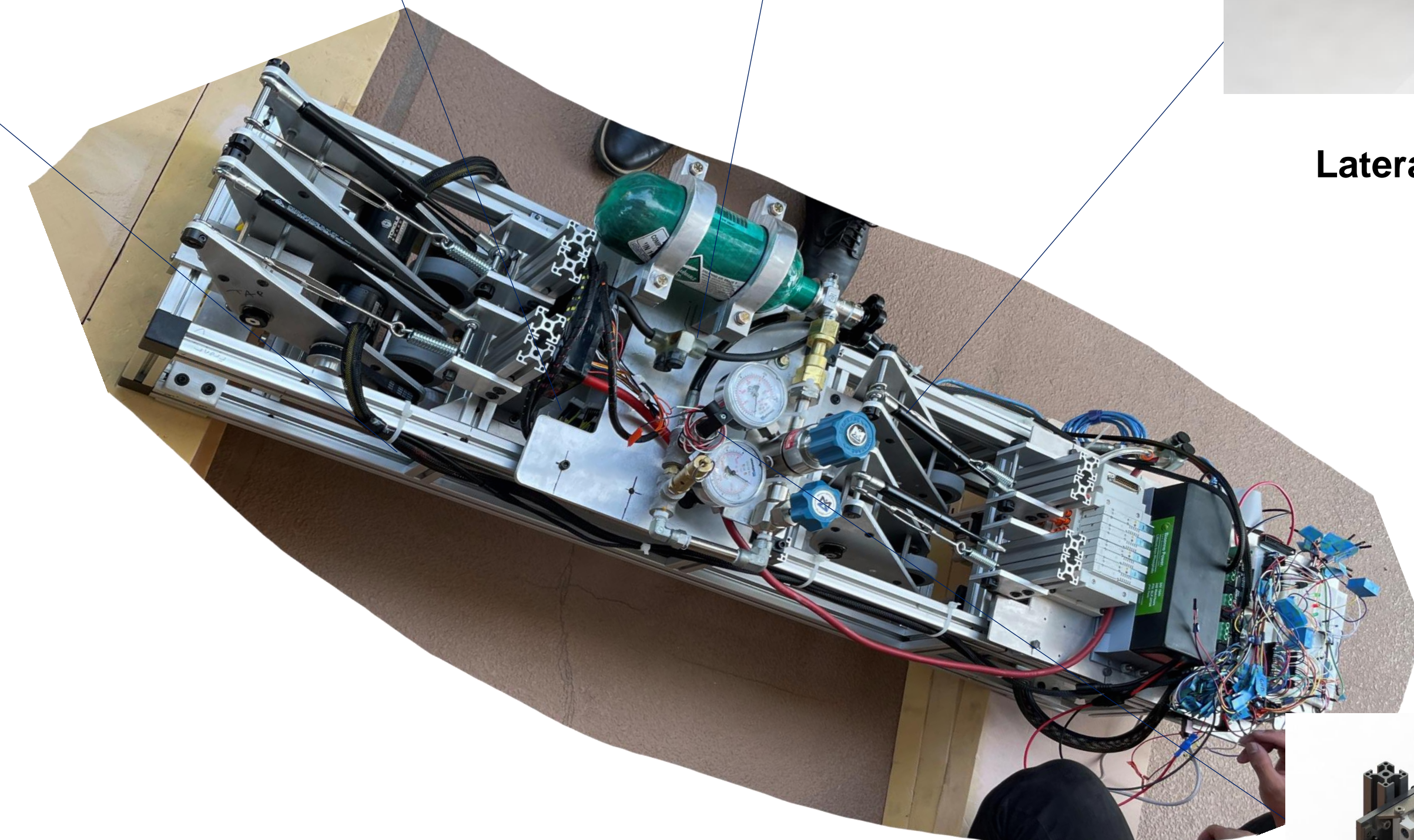
Topside Stabilization



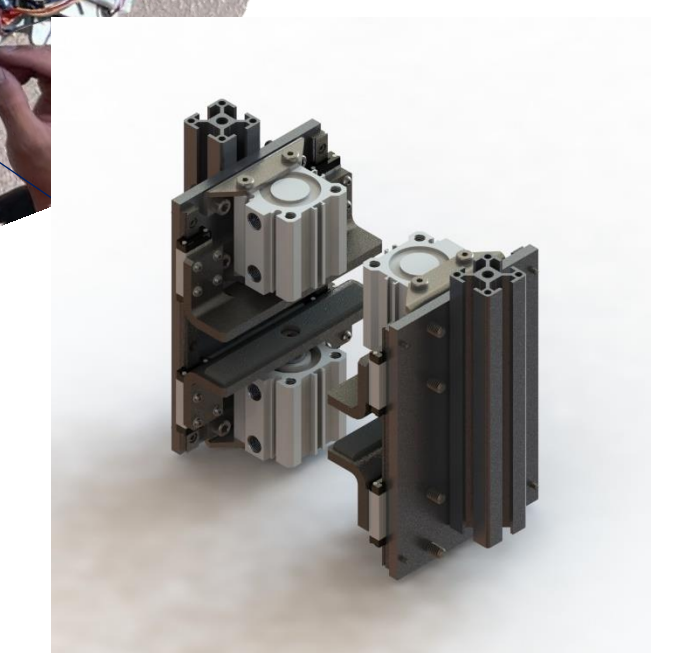
Pneumatics Assembly



Lateral Stabilization



Chassis



Braking Assembly

OUR ACHIEVEMENTS

