

H Y P E R X I T E

Future of Affordable and Sustainable Transportation

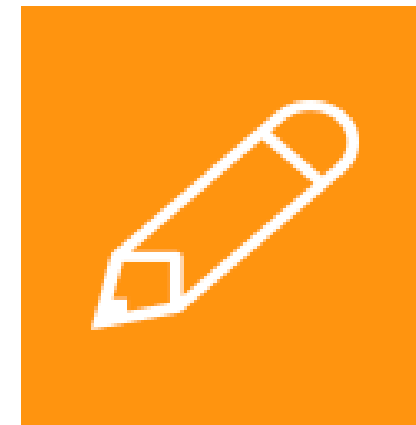


UCI Samueli
School of Engineering



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.

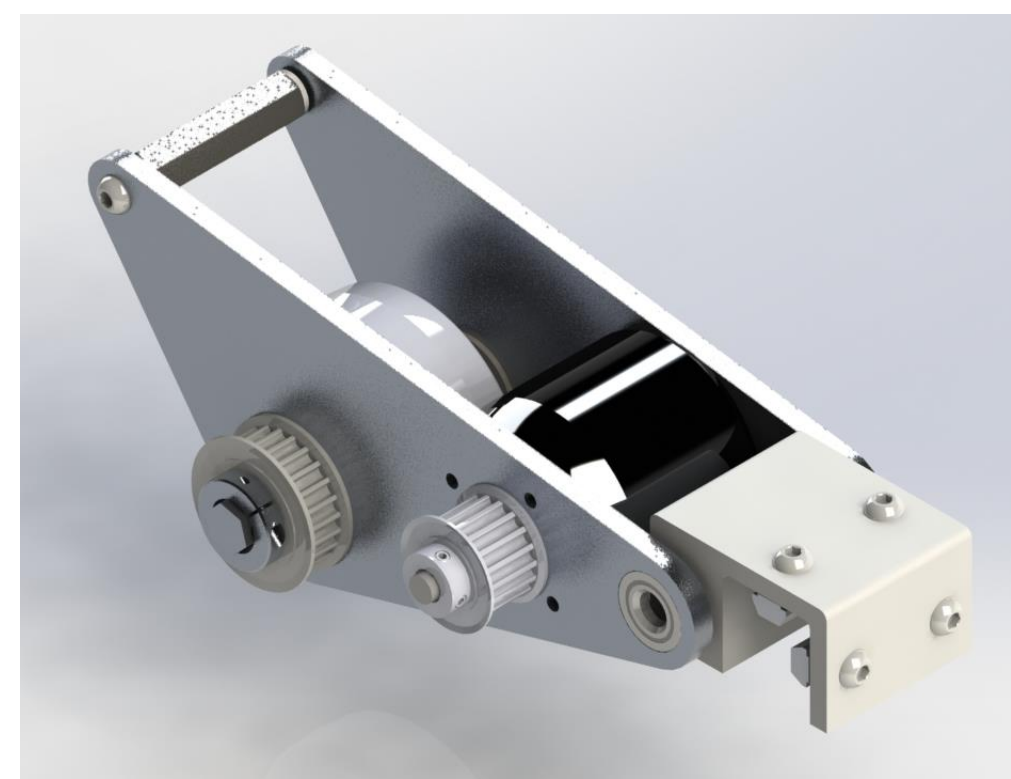


OBJECTIVES

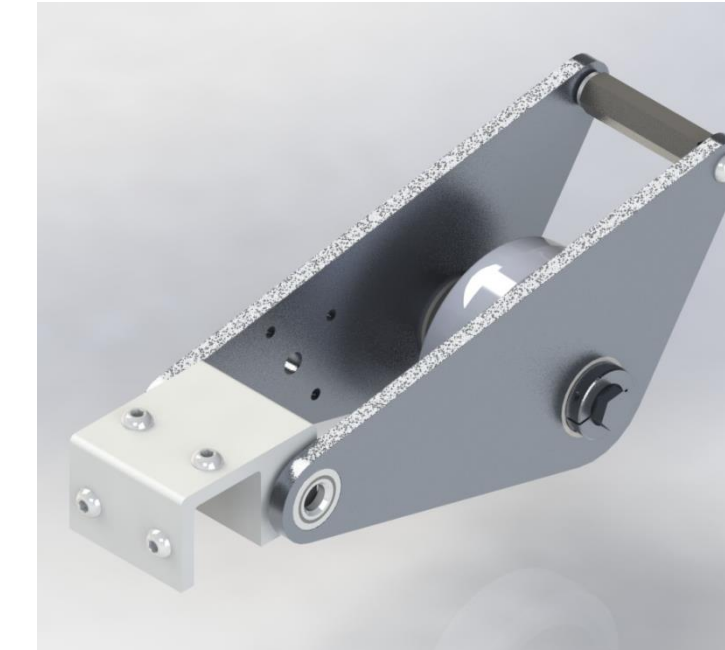
- Real-time pod behavior monitoring.
- Pod state data logging for comparison against models.
- Complete a safe pod run on test track.

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
Testing Ramp-up	May 20, 2021
Design and Manufacturing Updates	May 30, 2021
Final Testing	June 10, 2021



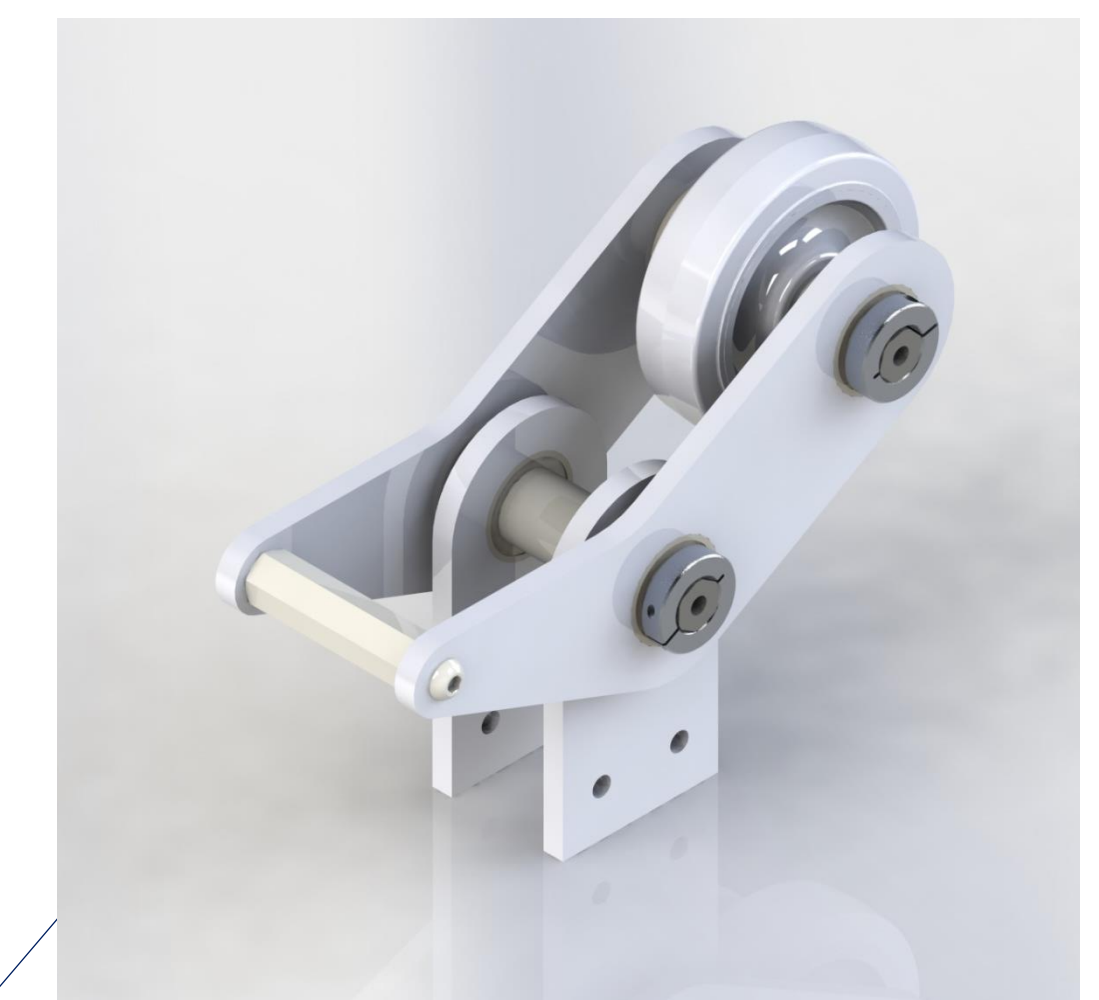
Propulsion Assembly



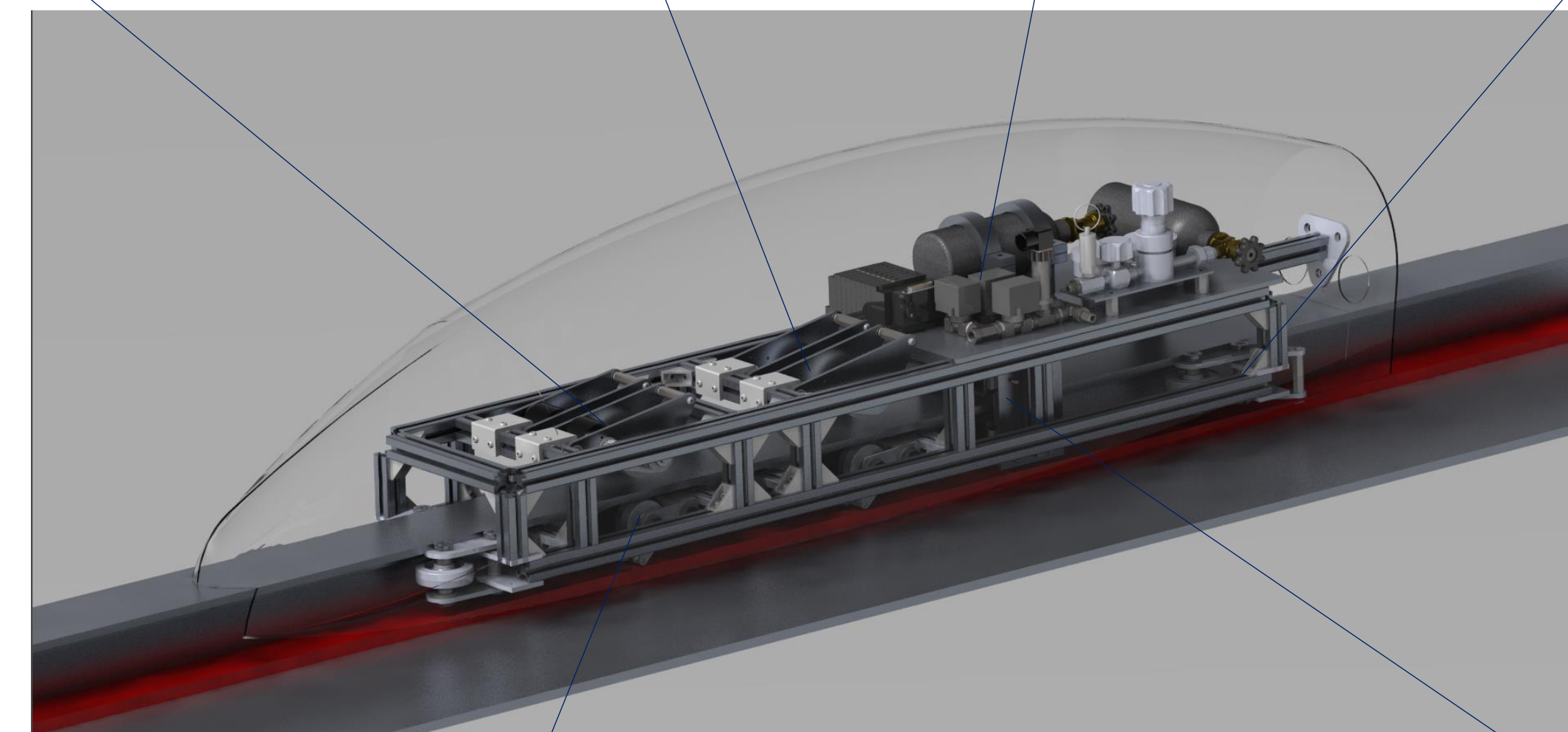
Topside Stabilization



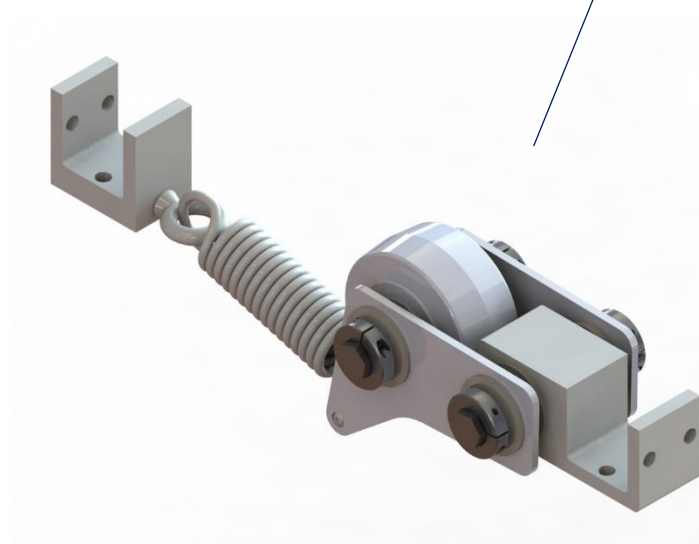
Pneumatics Assembly



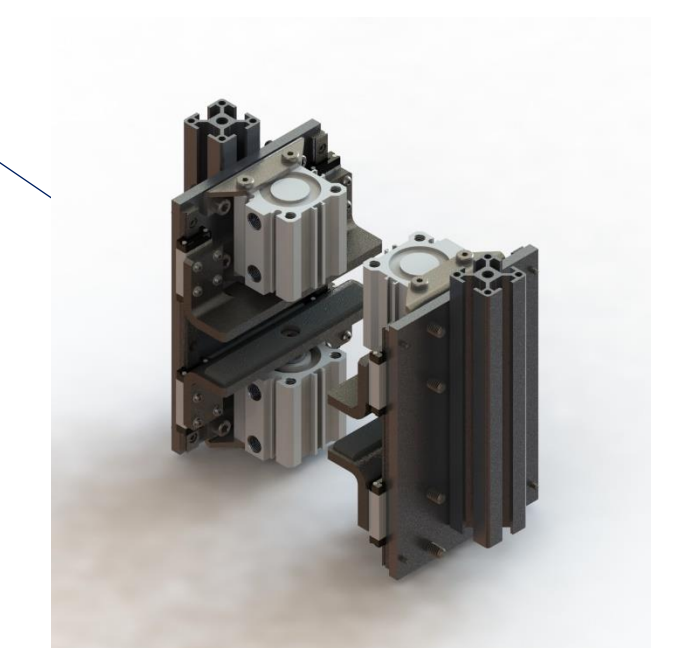
Lateral Stabilization



Chassis



Underside Stabilization



Braking Assembly

OUR ACHIEVEMENTS

