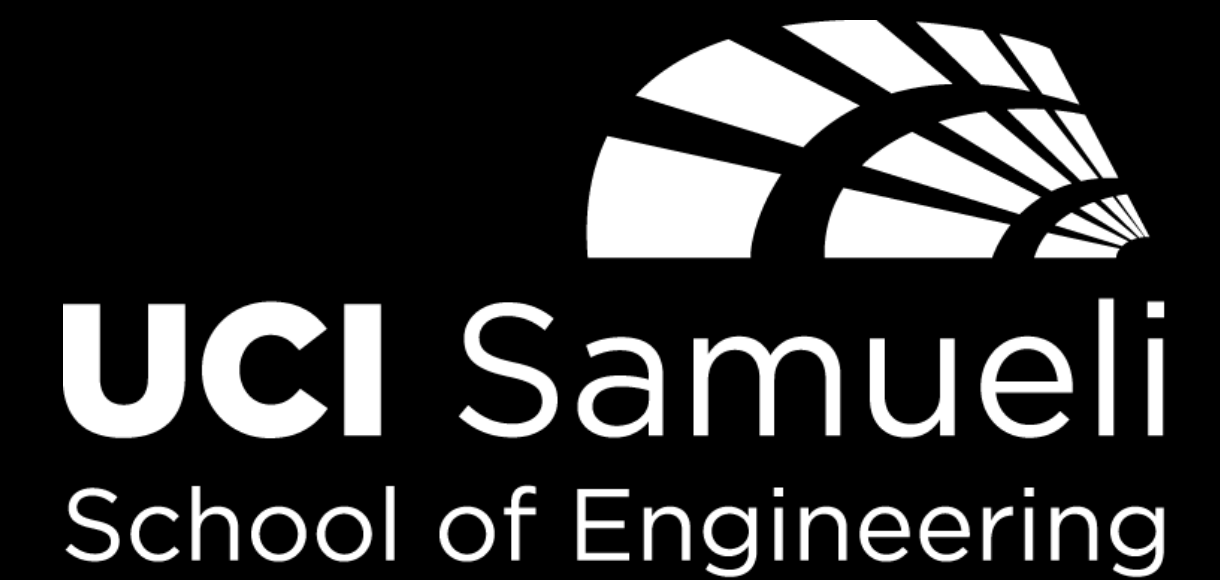


HYPERXITE

Future of Sustainable and Affordable Transportation



BACKGROUND

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



GOAL

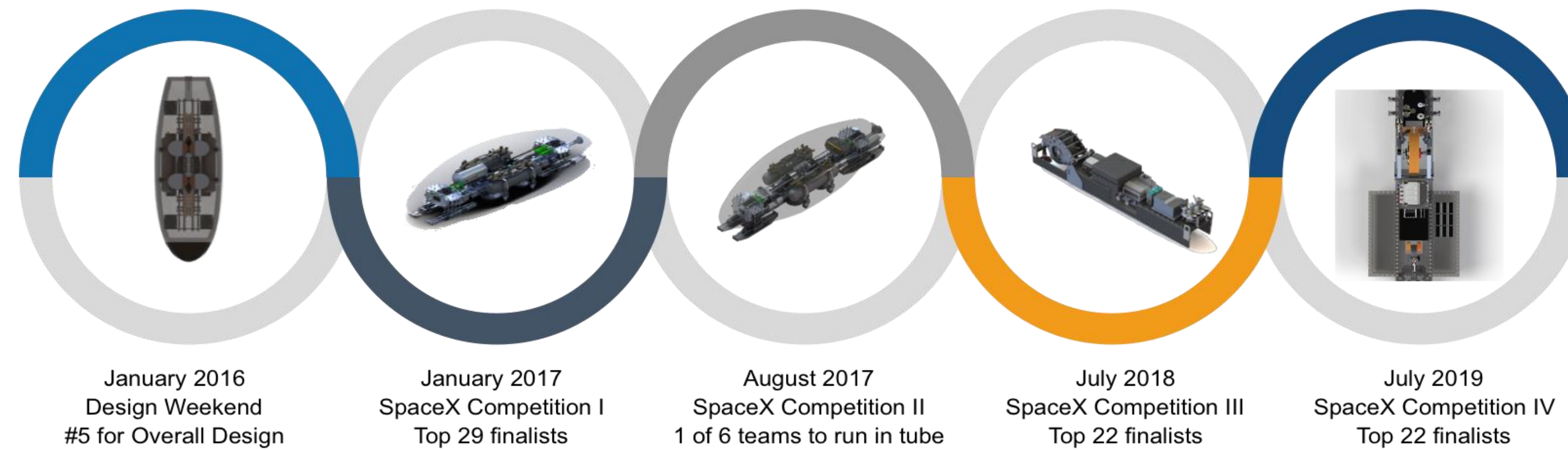
HyperXite's goal is to research, design, build and validate a scalable self-propelled pod to demonstrate the feasibility of Hyperloop design concepts at a high pace of innovation.



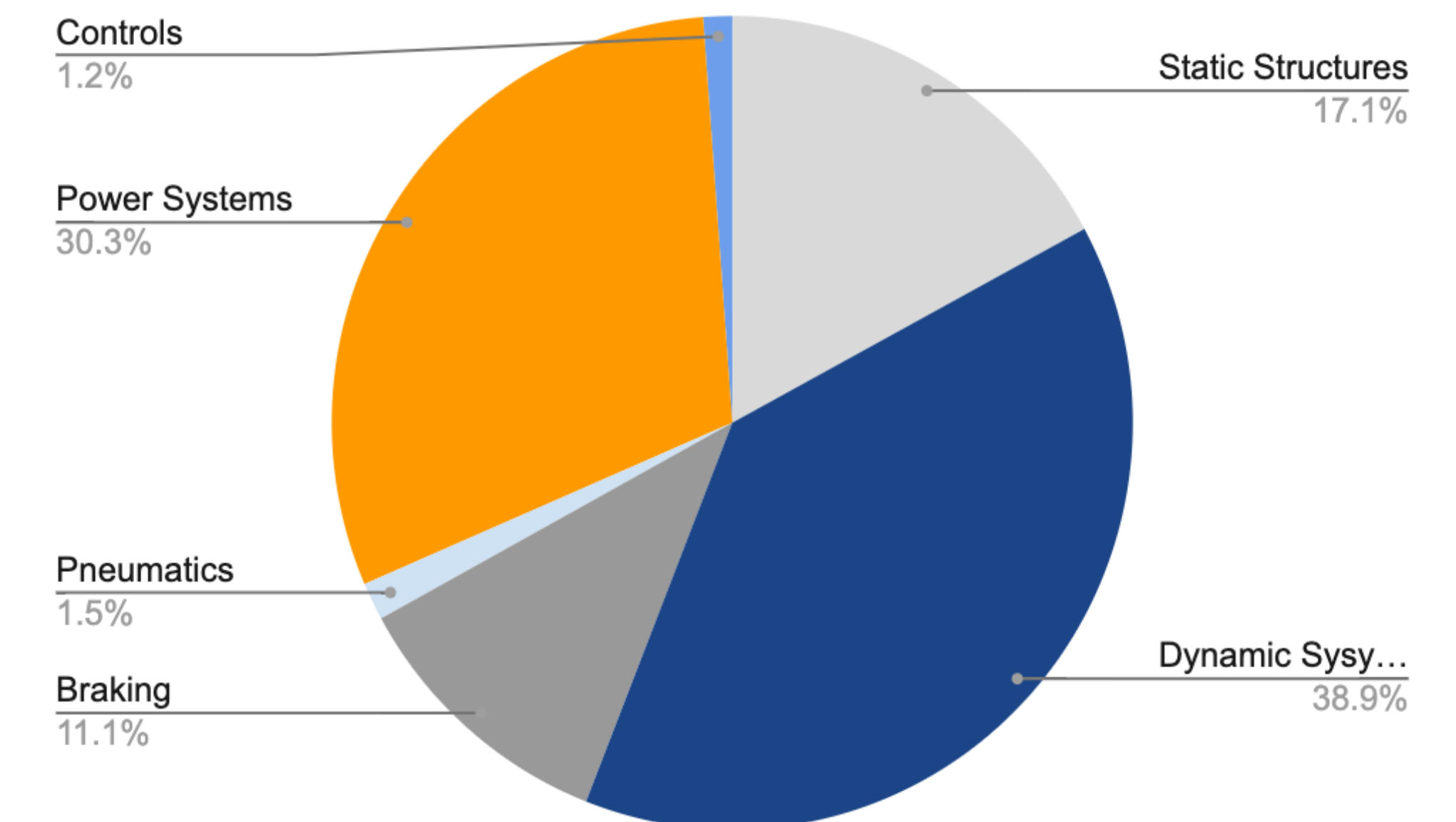
OBJECTIVES

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

OUR ACHIEVEMENTS



TOTAL POD COST



TIMELINE

Pod Generation 1 CAD	January 4, 2020
Simulations Completed	January 17, 2020
Pod Generation 2 CAD	January 24, 2020
Procurement and Manufacturing	February 14, 2020
Pod Assembly	February 28, 2020
Functional Testing	March 13, 2020
Testing Ramp-up	April 24, 2020
Design and Manufacturing Updates	May 15, 2020
Final Pod Report	May 22, 2020
Final Testing	June 5, 2020

ADVISORS

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TEAM ORGANIZATION

MANAGEMENT	SUBSYSTEMS	Dynamic Structures	Myron Phan	Abdullah Jawhar
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		Braking	Alex Saguna Subsystem Lead	Kaushal Patel Ryan Nguyen
		Pneumatics	Luke Cross Subsystem Lead	Zachary Seto Tyler Johnson
		Simulations	Mahek Logantha Danny Nguyen	
		Power Systems	Gwyneth Diaz Adrienne Lee	
		Controls	Wilfredo Paraiso Subsystem Lead	Dylan Kao David Tiao
		Outreach	Sam Longo Subsystem Lead	Nathan Bernardo Ye Myat Kyaw
		Operations	Sakeena Fiza	
		Manufacturing	Ian Geiger	
			Florian Gross	

