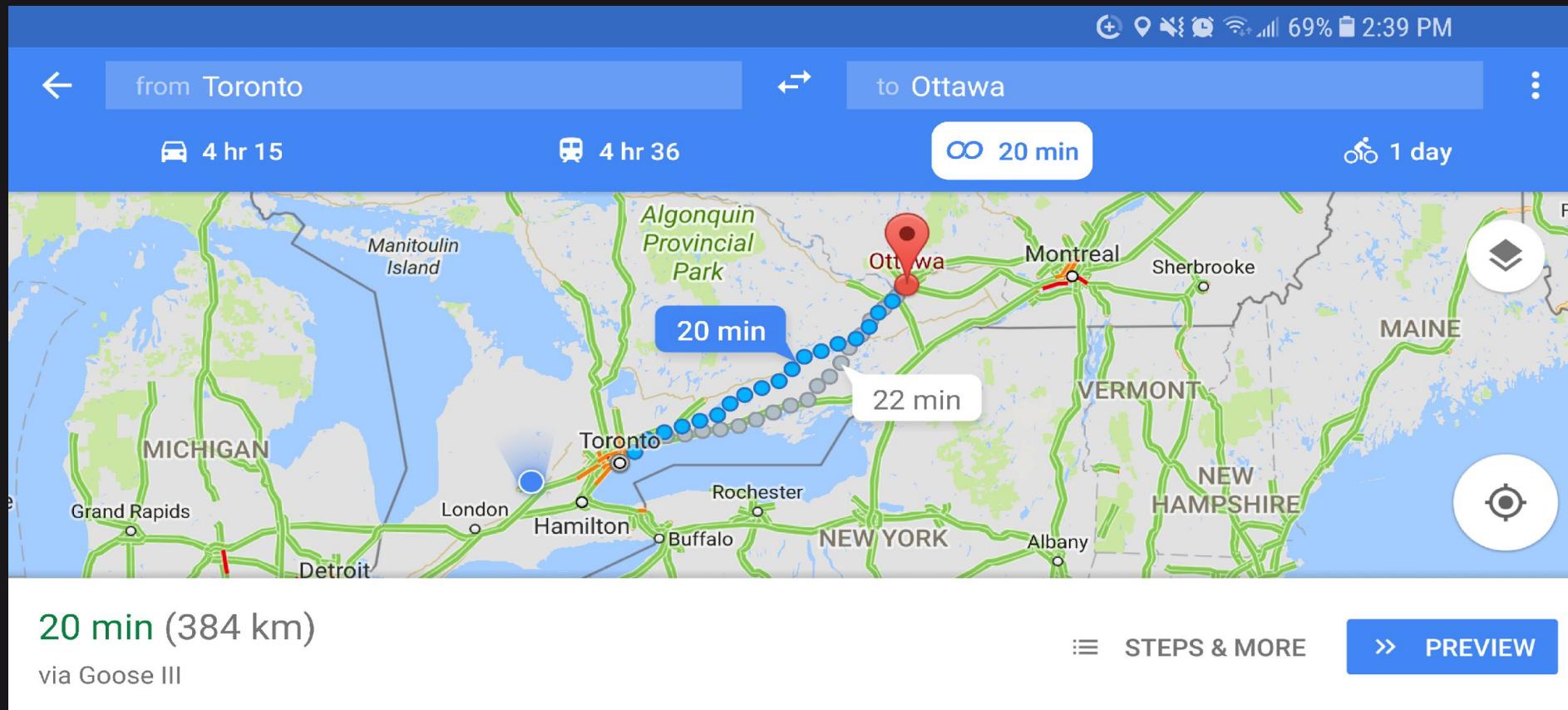


WATERLOOP

Information Package



Who would you visit today if you could travel the speed of sound?





Our Mission

The fifth transportation revolution is here; we are dedicated to establishing Canada as the leader in Hyperloop Technology

- To cut travel time by allowing one to travel 1,300 km/h in a safe, reliable, and fully sustainable environment. Time is the most valuable commodity in the world, it should not be wasted due to technological limitations
- As a returning team from Competitions I and II, we are here to win the Hyperloop competition by building the fastest and safest pod in the world



Support from World's Leaders

Justin Trudeau @JustinTrudeau Following

Congratulations & best of luck to @waterloo_hyper and @paradigm_hype at this week's @SpaceX @Hyperloop Pod Competition!

2:58 PM - 22 Aug 2017

141 Retweets 739 Likes

The image shows the front of the Waterloo Hyperpod, which is dark grey with white text and logos. The text includes 'Infinity Testing Solutions', 'Waterloop GOOSE II', 'UNIVERSITY OF WATERLOO', 'FACULTY OF SCIENCE', 'BALLUFF', 'kok', 'ROUTEES', 'PayPal', 'LEAGUE', 'CAMINO MODULAR BUILDING SYSTEMS', 'Waterloop', 'sourced', 'MILTEKA', and 'LEAGUE'. Several people are visible around the pod, some taking photos.



"Immunity to weather, collision free, twice the speed of a plane, low power consumption, and energy storage for 24-hour operations." - **Elon Musk**



A large white semi-truck cab with a black front end and a yellow trailer. The truck is positioned in front of a dark, semi-transparent background featuring a large white text area.

OUR TECH

Waterloop
GOOSE II



The Fifth Mode of Transportation



Hyperloop



1,255 km/h



Airplane



800 km/h



Train



320 km/h



Automobile



100 km/h



Boat



60 km/h



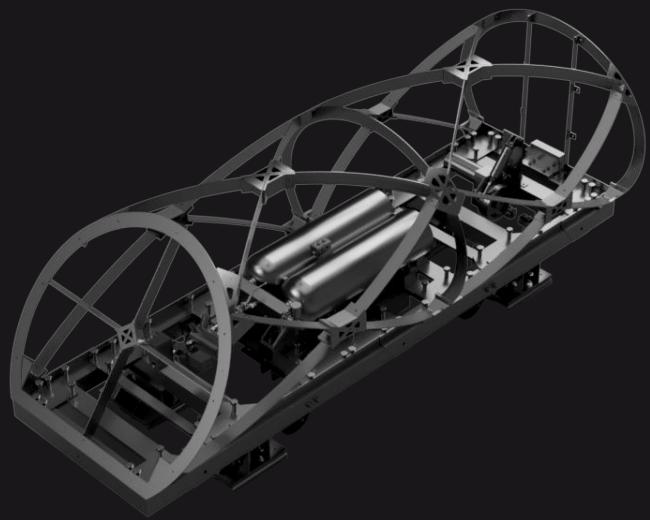
A new way to connect passengers and freight; convenient as a train, faster than an airplane.
All in a Vacuum tube.

A faster
look on the
future

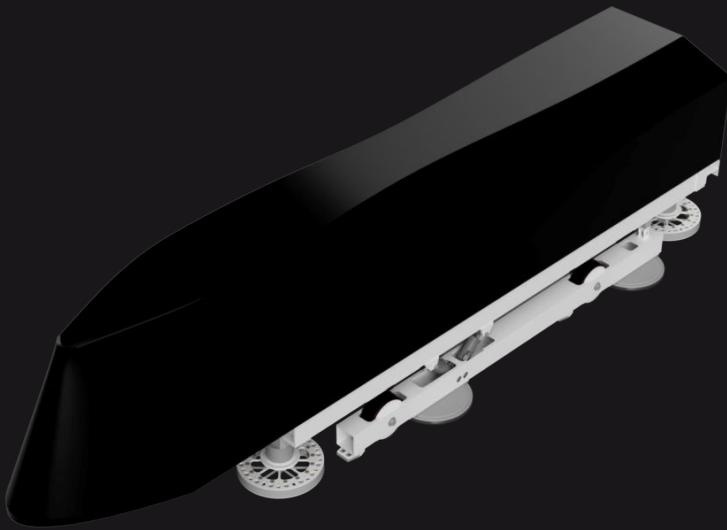


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Evolution of Hyperloop Prototypes



Goose I



Goose II

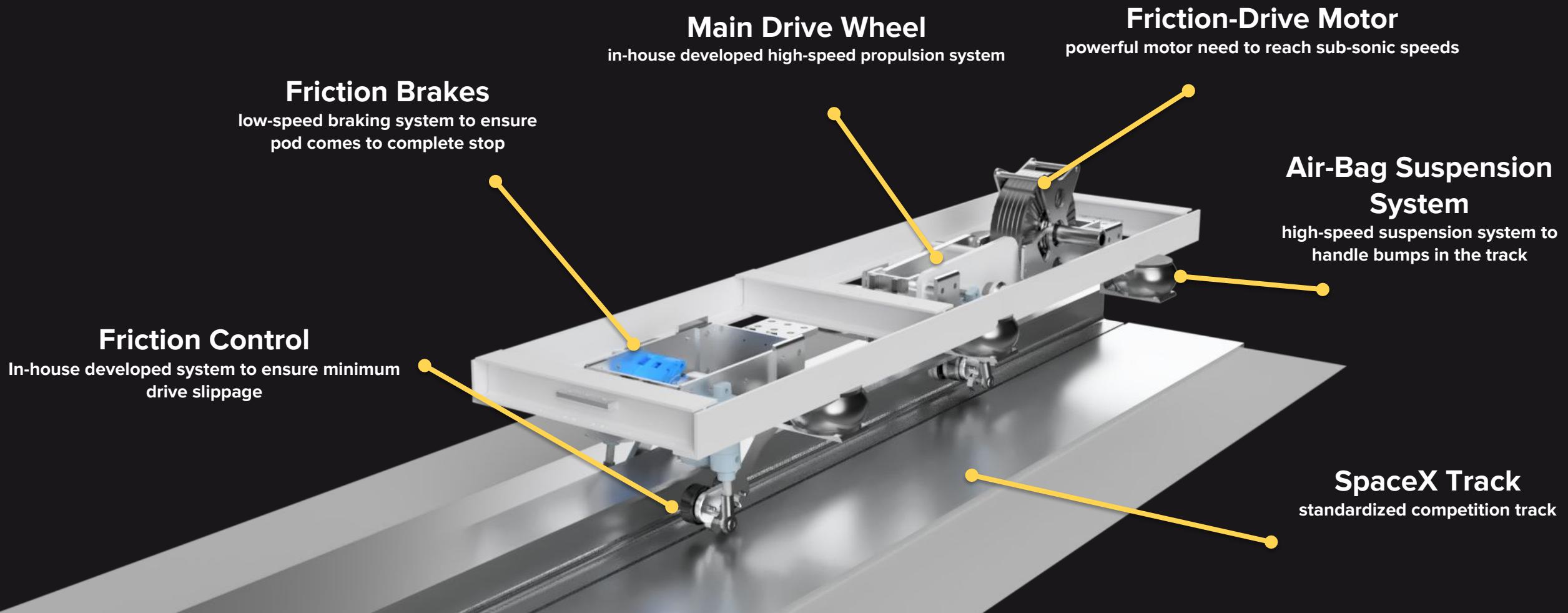


Goose III

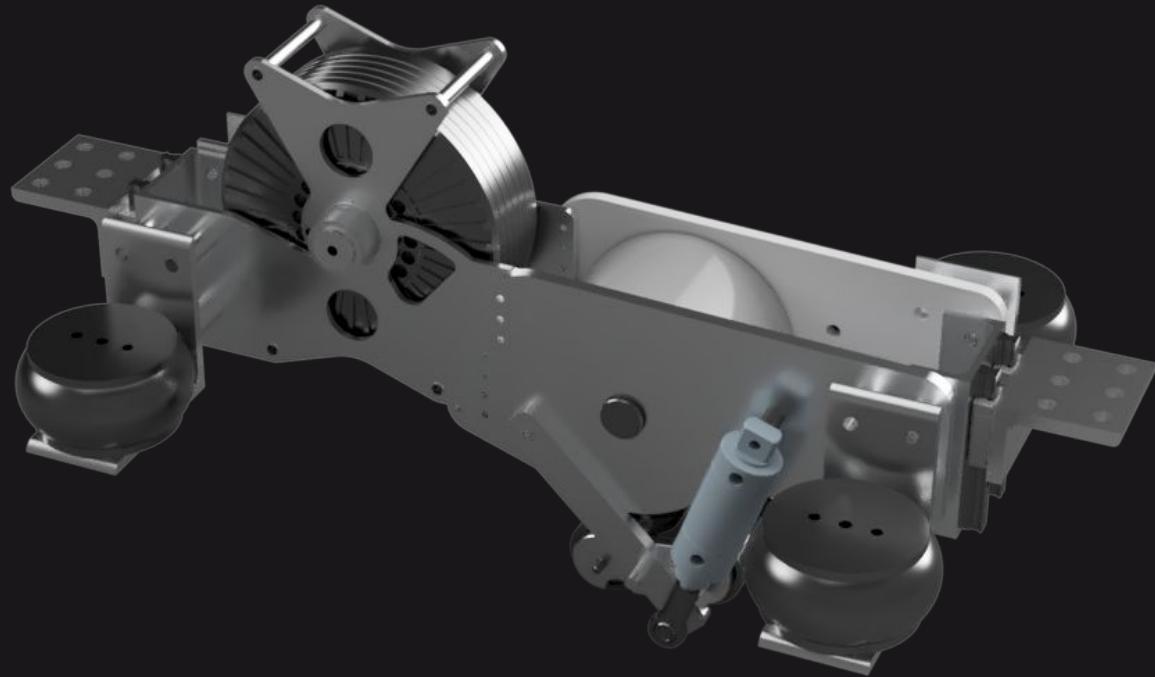
In development with your support



Goose III Custom Internal Schematics



Cutting Edge Goose III Engine



3.16 sec

0 - 100 km/h

325+ km/h

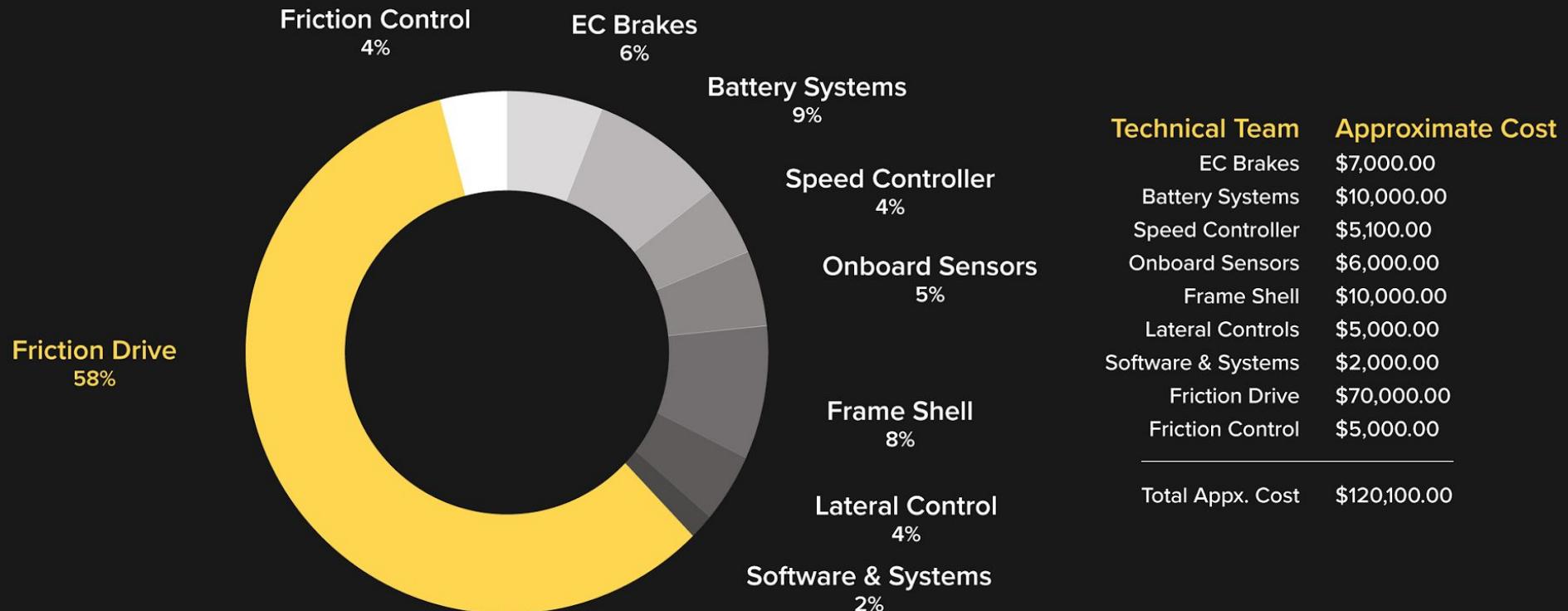
Top Speed

45% faster

Increase over Goose II



Costs Breakdown



SPONSOR PERKS



	Sonic \$1,000	Transonic \$7,000	Supersonic \$16,000	Hypersonic \$30,000
Recruiting & Outreach				
Exclusive Tickets to pod Unveil Event	✓	✓	✓	✓
Access to Waterloo Resume Book		✓	✓	✓
Booth at Pod Unveil			✓	✓
Booth at all Waterloo hosted events				✓
Brand Exposure				
Logo on Website	✓	✓	✓	✓
Dedicated Social Media Exposure	✓	✓	✓	✓
Logo on presentation materials		✓	✓	✓
Logo on Pod		Small	Medium	Large
Logo on Team T-Shirts			Medium	Large
Direct promotion at conferences and events			✓	✓
Pod component named after your organization (everytime its mentioned on social media)				✓
Corporate promotions on website and social media				✓
Feature the Pod at one of your events				✓

Donations: At omission of perks, monetary donations to the team can receive a charitable tax receipt from the University of Waterloo.

Note: Gifts-In-Kind will be counted at an agreed upon monetary value and applied to the sponsorship tiers.

Our Sponsors

Babylon VR
BALLUFF
Boko
Camino Modular Building Systems
Caro Systems
Communitech
Dassault Systems
Eagle CAD
GroveWare
Heins Management & Consulting Inc.
IBI
iDream Labs
Infinity Testing
Inksmith
Javelin
Kik
League
Leggett & Platt
LOT

Maplesoft
Masrio Architects
Miltera
MMOSER Associates
Naylor
Paypal
Phidon
Routes Transport Group
Sandford Fleming Foundation
Silver Star
Society of Waterloo Architecture Graduates (SWAG)
Sourced
Sustainable TO
University of Waterloo
University of Waterloo Faculty of Engineering
University of Waterloo Faculty of Science
UW EngSoc
WEEF

Media Coverage



TIME

VICE

› TORONTO STAR <



CBC

Bloomberg

THE GLOBE AND MAIL*

“”

Outreach

MOSES ZNAIMER'S
CONFERENCE

ideacity



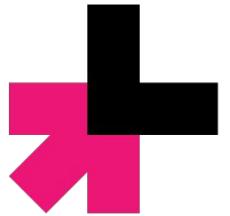
New
Co



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Social Initiatives

In support of



HeForShe

UN Women Solidarity Movement
for Gender Equality



WISTEM

- Waterloo is represented on HeForShe's **10x10x10 Impact Council** in support of gender equity
- Conducting interactive **education workshops** in association with Women in STEM



Timeline and next steps



Sept-Dec 2017 - Design Phase

- Sept-Oct Order-of-magnitude calculations; determine initial **most viable design**.
Nov-Dec Analyses, prototyping, and finalizing the design; obtain **funding for sourcing**.

Jan-Apr 2018 - Build Phase

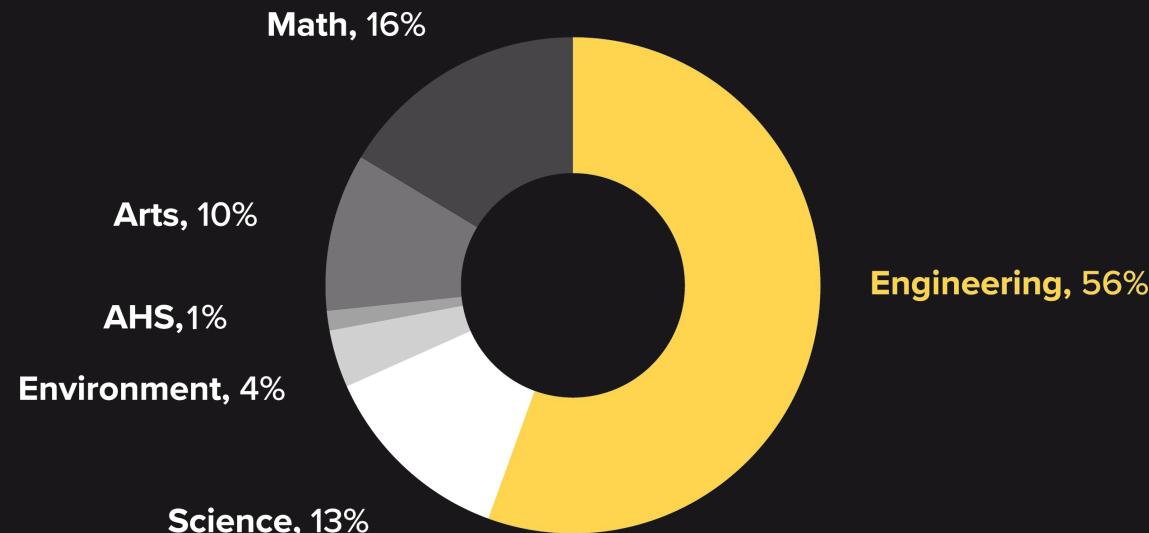
- Jan-Feb Testing of sourced parts; build and **assembly** of subsystems; design of test rigs, validation and testing procedures, including an in-house Test Track.
Feb-Mar Pod subsystems assembled; begin unit testing of subsystems.
Apr Assembly of full pod; begin to test and **optimize all systems**.

OUR TEAM



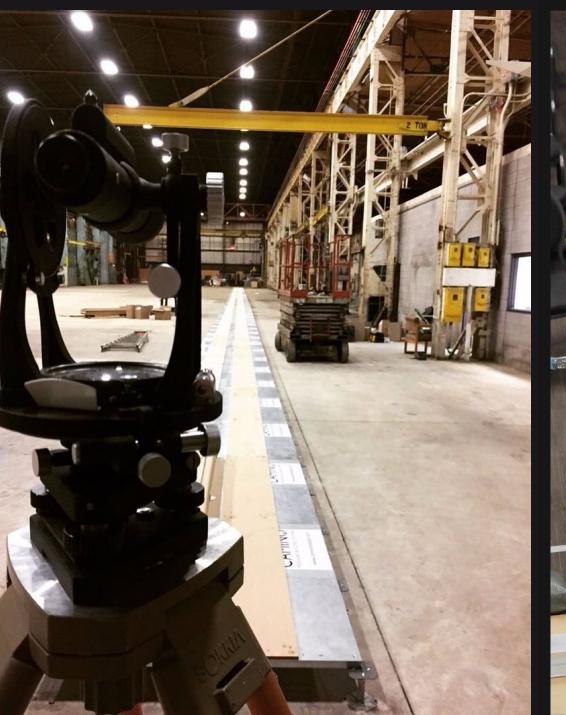
Team Members

Our team has a **diverse background**, with over 90 students from all faculties of the University of Waterloo, along with students from nearby schools such as Wilfrid Laurier University, and with members hailing from over 20 countries.





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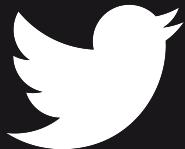


Join us in building the future.

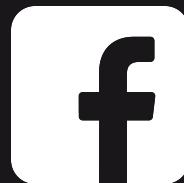




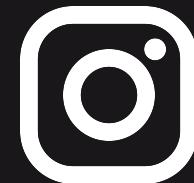
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