

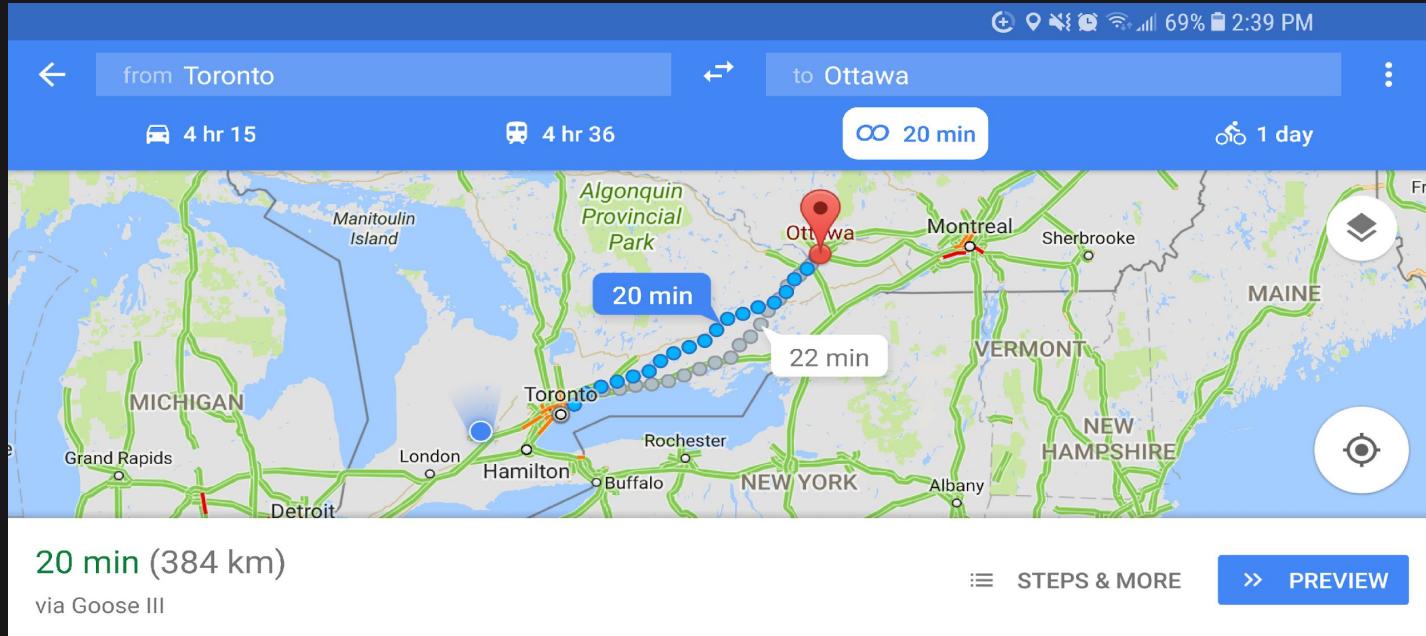
# '//ATERLOOP

...

Sponsorship 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.

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**.



# Supporters

Justin Trudeau @JustinTrudeau Following

Congratulations & best of luck to @team\_waterloo and @paradigm\_hype at this week's @SpaceX @Hyperloop Pod Competition!

2:58 PM - 22 Aug 2017

141 Retweets 739 Likes



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



# 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



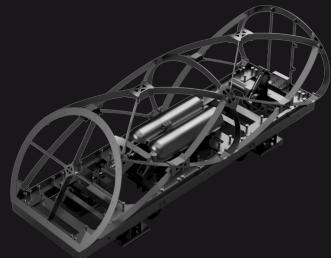
60 km/h



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



# Evolution of Hyperloop Prototypes



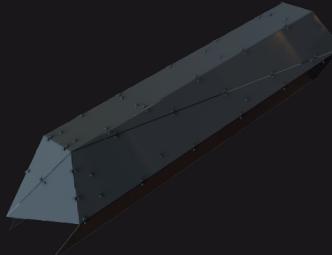
Goose I



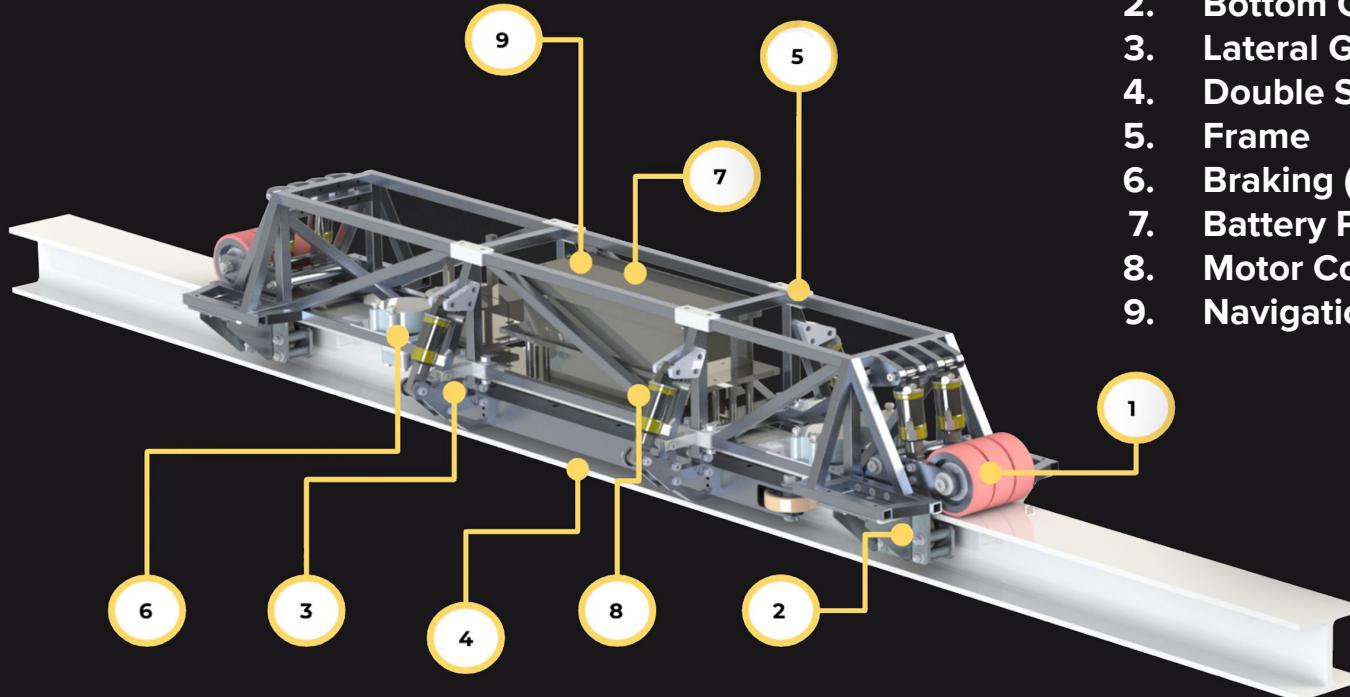
Goose III



Goose V

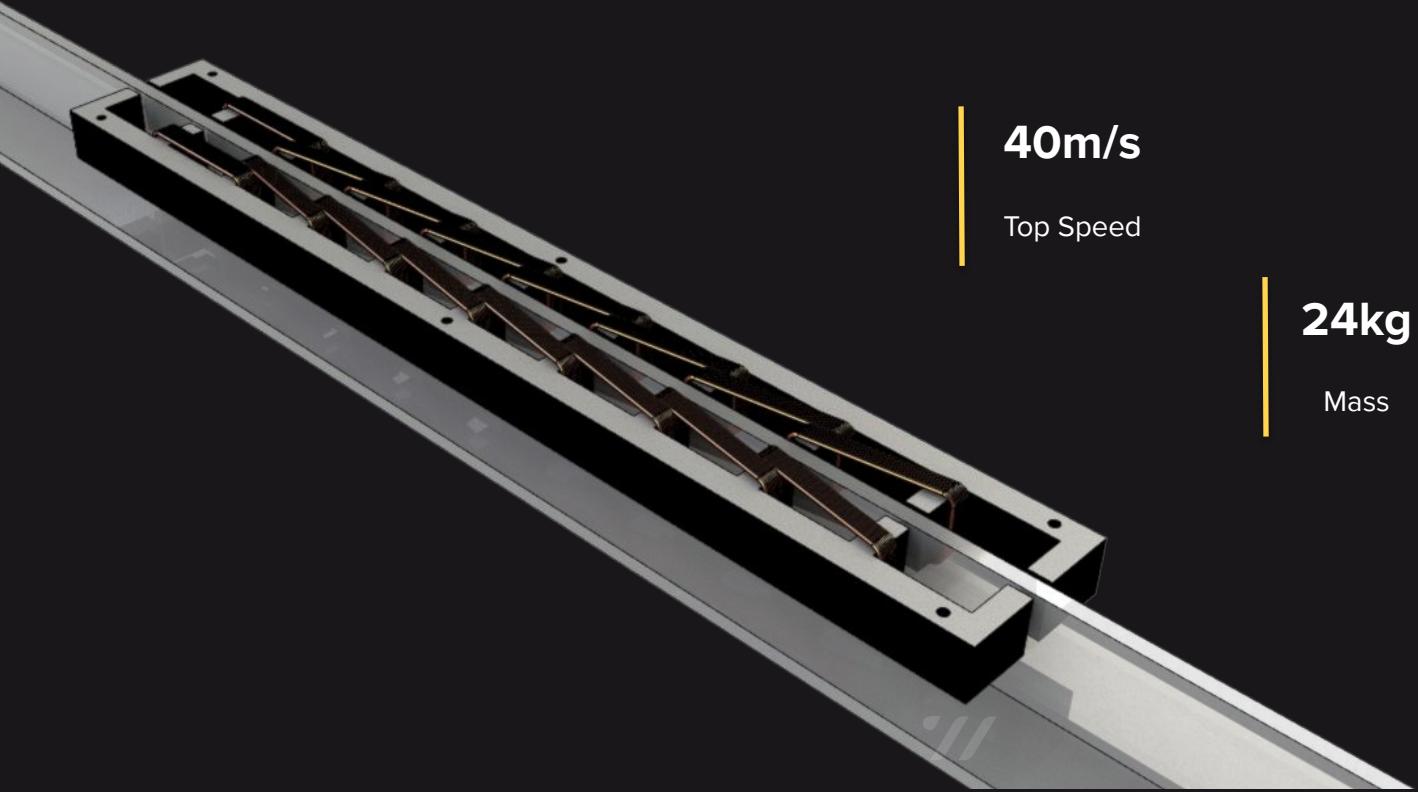


# Goose V Internal Schematics



1. Top Guidance
2. Bottom Guidance
3. Lateral Guidance
4. Double Sided Linear Induction Motor
5. Frame
6. Braking (front and rear)
7. Battery Pack
8. Motor Controller/Inverter
9. Navigation & Control

# Goose V Linear Induction Motor



**40m/s**

Top Speed

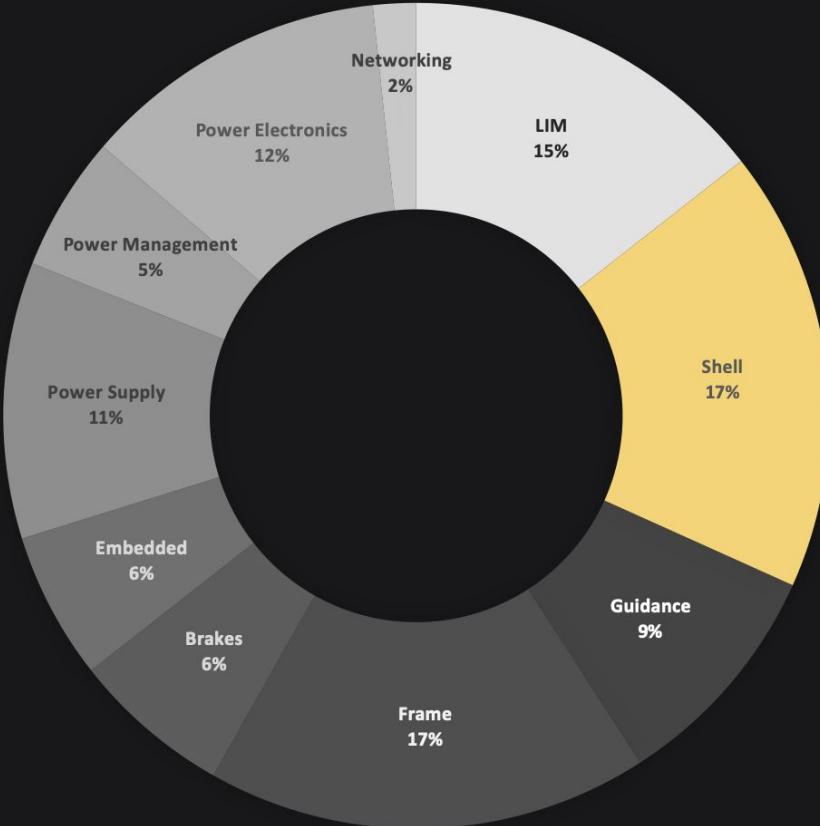
**24kg**

Mass

**470 N**

Peak Thrust

# Cost Breakdown



LIM	\$3,750.00
Shell	\$4,500.00
Guidance	\$2,375.00
Frame	\$4,500.00
Brakes	\$1,625.00
Embedded	\$1,500.00
Power Supply	\$2,812.50
Power Management	\$1,375.00
Power Electronics	\$3,125.00
Networking	\$437.50
<b>Total Appx. Cost</b>	<b>\$26,000.00</b>



# SPONSOR PERKS



	Sonic \$1,000	Transonic \$7,000	Supersonic \$16,000	Hypersonic \$30,000
<b>Recruiting &amp; Outreach</b>				
Exclusive Tickets to pod Unveil Event	✓	✓	✓	✓
Access to Waterloo Resume Book		✓	✓	✓
Booth at Pod Unveil			✓	✓
Booth at all Waterloo hosted events				✓
<b>Brand Exposure</b>				
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				✓
Corporate promotions on website and social media				✓
Feature the Pod at one of your events				✓

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

# Our Sponsors



# Media Coverage



TIME

VICE

› TORONTO STAR <



Bloomberg

THE GLOBE AND MAIL\*



# Outreach

MOSES ZNAIMER'S  
CONFERENCE

ideacity

Discovery™  
Ontario Centres of Excellence

Nspire  
Innovation Network

New  
Co

**TEDx**  
**UW**  
x = independently  
organized TED event

**TEDx**  
**Bermuda**  
x = independently organized  
TED event



# Timeline and Next Steps

2019

Jan-Apr

Calculations and initial **linear induction motor** based design

May-Aug

Revised for manufacturability; built barebones prototype; **working LIM**

Sep-Dec

Revising again based on lessons learned; building **fully featured prototype**; building test rigs; collecting test data

2020

Jan-Apr

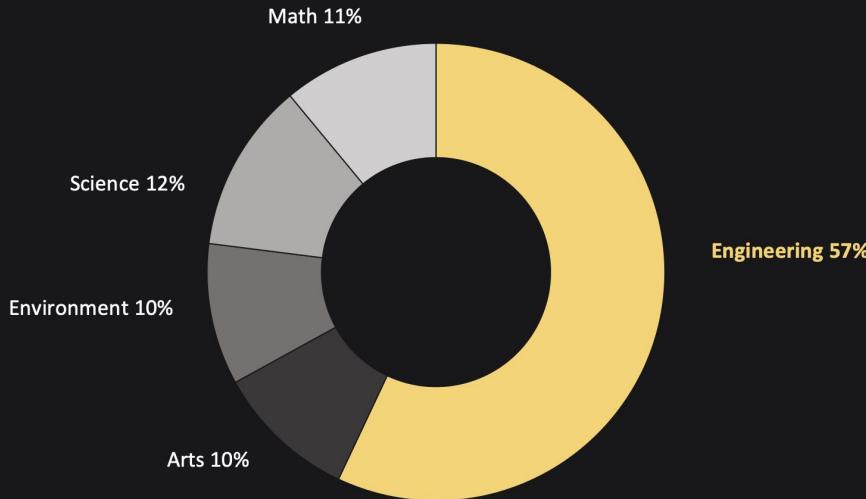
Complete **final build based** on extensive testing; submit final report; verify and validate all systems

# OUR TEAM



# Team Members

Our team has a **diverse** background, with over **90 students** from most 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**.







# Join us in building the future!

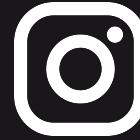




@team\_waterloop



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