



QUEEN'S HYPERLOOP
Dare to Dream and Design the Future

Sponsorship Package

2023-2024



Queen's University
Design Team



OUR PURPOSE

Bringing together passion and innovation to welcome the future of green transportation.



WELCOME

A message from our co-captains

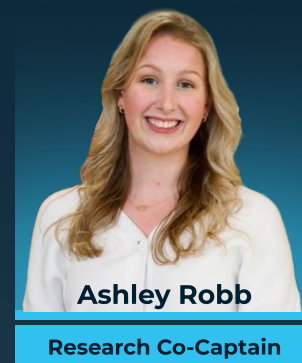
Thank you for checking out Queen's Hyperloop!

Founded in 2015, **Queen's Hyperloop Design Team (QHDT)** is an award-winning engineering design team under the Queen's Engineering Society and Alma Mater Society.

Today, **over 100 undergraduate and graduate students** from engineering, commerce, and sciences contribute to **seven projects** that help define the future of our industry. With **three distinct branches and a tunnelling team**, we produce results in hyperloop pod and infrastructure design, business analytics, and research and development of cutting-edge technology.

Our partners and sponsors work closely with our team as part of **cash and equipment sponsorships, mentorship programs, and professional development opportunities.**

We enjoy a fruitful journey of **innovation and discovery**, which we hope to share with you!



ABOUT US

Concept and contributions

We build hyperloop pods.

A hyperloop is a proposed **high-speed mass transportation system** that allows passengers and cargo to travel at speeds close to a plane, but at a quarter of the energy cost. Our team is dedicated to actualizing this vision for a **sustainable future**.

We conduct cutting-edge research.

Our **Research & Development** team produces up to 3 research papers yearly. Past topics include **Machine Learning, Hyperloop Infrastructure, and Magnetic Levitation**. On top of technical research, we produce results in business analytics and conduct case studies on existing hyperloop projects around the world.

We invest in our community.

We are one of the largest design teams on campus. Each year, over **100 active members** contribute to projects that benefit our university and beyond. We are proud to provide the most active **Professional Development** program within the design team community, which connects our members, alumni, and partners to form a network of mutual support and benefits.



We are a fun and motivated group that can't stop solving problems!



TEAM STRUCTURE

Optimized for innovation



Technical Subsystems Responsibilities

- Pod design, construction, and QA
 - Documentation of all designs
- Implementation of R&D components

Business & Logistics

Responsibilities

- Marketing, sponsorship, and logistics
- Professional development
- Business competitions and articles



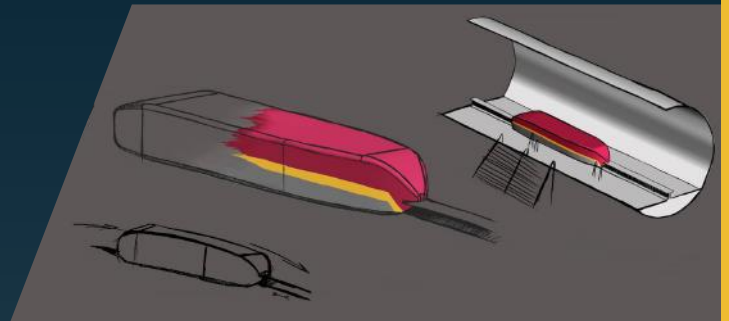
Research & Development Responsibilities

- Technical research (AI and Materials)
- Infrastructure research (Test Track)
- Research publications and articles

Tunnelling & Boring

Responsibilities

- Design and construction of TBMs
- Research of hyperloop tunnels
- Specific non-technical tasks



COMPETITIONS

Our proudest moments



Hyperloop Global

(Canadian Hyperloop Conference)

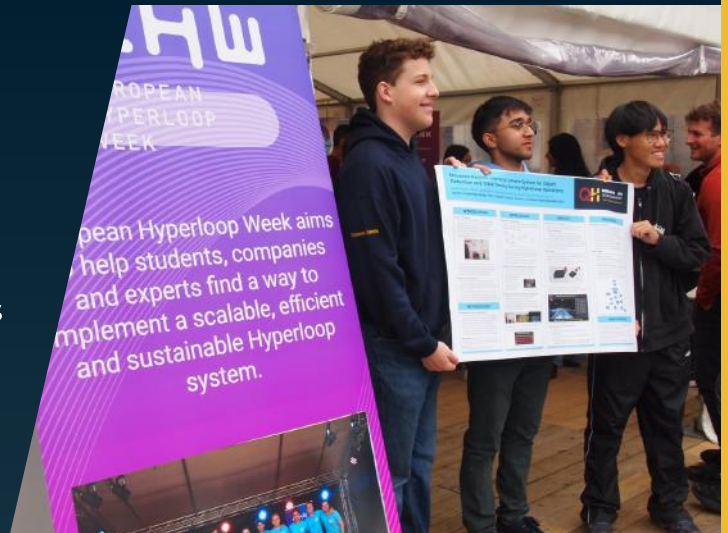
Each year, we bring our pod to race at the **University of Waterloo**. In 2023, we **tyed for most awards won** with our second generation pod, The Yukon.

In 2025, we hope to finish the construction of a full-scale test track in Kingston to host this North American competition at **Queen's University**.

European Hyperloop Week

As the **only Canadian team** present at EHW 2023, we pride ourselves in our international involvements and leading position in North America.

Our **Research and Development** teams work together with the **Business Competitions** team to produce results in topics such as AI/ML, Hyperloop Project Analytics, and more.



At the same time...

We are building our own TBMs to compete in the **Not-a-Boring Competition!**



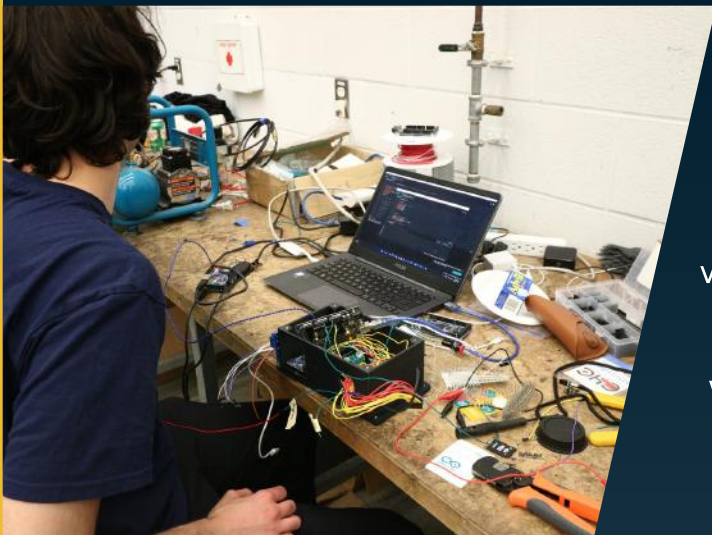
STRATEGIES

A path to success

Professional Development

First started in 2022, we run the **only professional development program** to be organized by a design team at Queen's. Last year, we ran **20+** workshops and events with **4** team alumni.

With an emphasis on industry involvement, we built one of the **strongest pipelines** at Queen's for learning new skills and networking.



Research & Faculty Support

As part of the **Faculty of Engineering and Applied Science** at Queen's, we work hand-in-hand with the faculty and related organizations. We prioritize working with **experienced individuals** to enhance our work and deliver results.

We are currently working with **2** student organizations and **1** university department on **2** major projects.

We are proud to say that...

Our focus on **personal growth** is unique and unmatched at Queen's.



BENEFITS

Why sponsor us?



Access Queen's University

QHDT focuses on recruiting and training the **best students** from all **Queen's programs**. This includes Engineering, Computing, Commerce, and more. Our **rigorous hiring process** ensures that all members are more than capable of **delivering quality results in the real world**.

Advertise Products & Services

Your products and services will be showcased at **international competitions** to potential customers, where they will be heavily promoted by our team through **demonstrations and advertisements**. Depending on your support level, you can also showcase your products and services with our team at **your own events**.



Expand Your Outreach & Get Involved

Since 2015, QHDT has positively impacted many industries and communities around us. Our **100+** members team, **300+** alumni, and **3,000+** followers are valuable assets that can benefit your initiatives.

Whether it is to **demonstrate your involvement with student activities** or **recruit the best of the best from top universities**, we are always ready to help you achieve your goals.

Race the pods with us and show your support to the entire world!



METHODS

How you can help

1

Cash or Store Credits

Cash sponsorship or in-store shopping credits are **preferred** and can help the team **fund projects directly**.

Our team will make the most out of funds by using a **budget sheet** that is both organized and **transparent to our sponsors**.

2

Products or Services

Hyperloop pods usually require materials such as **metals, carbon fibre, and electronic boards**.

Services such as **CNC machining** and **3D printing** allow our design to be more refined and competitive, which are always appreciated!

3

Tools or Software

Computer-Aided Design software and **simulation tools** are important to our design process. In the past, we used **circuit design tools** to develop award-winning electrical components.

Mechanical tools like drills are always essential to us!

4

Active Partnerships

With an experienced events and professional development team, we are able to work with our partners to run **events or training sessions** for students at Queen's.

Outside of that, we welcome **all partnership strategies**, so please reach out to us!

Interested? You can reach us at hyperloop@engsoc.queensu.ca!



SPONSORSHIP TIERS

Work with us

	MACH I \$1,000+	MACH II \$3,000+	MACH III \$5,000+	Title Sponsor(s) MACH IV \$8,000+
RECRUITMENT BENEFITS				
Access to QHDT Resume Book	X	X	X	X
Recruitment events through QHDT (100+ Members)		X	X	X
Recruitment events through Queen's Engineering Society (3,000+ Members)			X	X
CORPORATE BENEFITS				
Logo size on merch, pod, and other assets	S	M	L	XL
Multi-Channel social media exposure	X	X	X	X
Company-specific marketing		X	X	X
Priority access to team reports, data, and research			X	X
Team and pod visit at corporate events and Dedicated space at all QHDT events				X

Thank you for your consideration!

Let us know if you have any **questions** or want to discuss other **benefits!**





CONTACT US

Let's get in touch

“

Let us know your questions, concerns, or if you are ready to proceed to the next step! We look forward to meeting you.

Thank you for choosing Queen's Hyperloop!

”

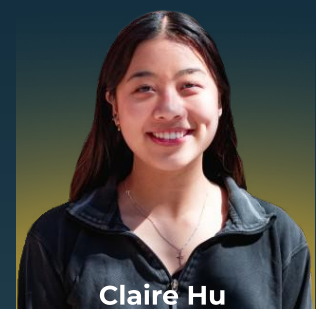
 **45 Union Street**
Kingston, ON K7L 3N6

 hyperloop@engsoc.queensu.ca

 www.queenshyperloop.ca

 Queen's Hyperloop Design Team

 @queenshyperloop



Claire Hu

Director of Sponsorship
(Sponsors)