



PENN HYPERLOOP

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SPONSORSHIP PRESENTATION
2024

Why We Will Win

Mission: Make underground infrastructure cheaper and more effective to advance urban connectivity.



We are a **zero-bloat team**, committed to **extreme ownership** and a **first principles-driven obsession** with optimizing tunneling.

Our **First Place** TBM Last Year

Only Took:

3 Months

4 Engineers

This is unheard of in student clubs

Parts Used in TBM Last Year

US	VS	THEM
294		5,000+

Fewer parts improved reliability and iteration speed, crucial to our victory

We embody the SpaceX engineering methodology in everything we do:
Every part, process, and line of code fights for its life in our system and must have a specific business outcome attached to it.

World-Class Advisors



Paul Nicholas

AECOM - VP Water GBL NA Tunneling & Trenchless Technology

Paul Nicholas is a tunneling expert with 40+ years of experience in TBM engineering. He introduced microtunneling to the Americas and specializes in various tunneling methods for global infrastructure projects.



Rick Lovat

President of Lovat Inc., a wholly-owned subsidiary of Caterpillar

A fifth-generation tunneller, Rick led Lovat Inc. to become a global leader in tunneling technology. He's made significant contributions to the tunneling community and serves as President of the Tunnelling Association of Canada.

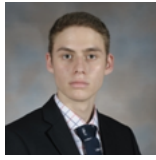
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HYPERLOOP

Exceptional, Entrepreneurial, Interdisciplinary Team



Gabriel Zhang
Biz Ops Lead, Software



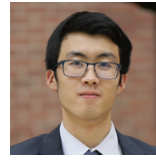
Alexander Mejia
Structures Lead



Mehul Vemareddy
Main Drive Lead



Zeno Dancanet
Propulsions Lead



Tony Tian
Muck Removal Lead



Odysseus Kotzampasis
Power Systems Lead



Ben Saxon
Software Lead



Nami Lindquist
Biz Ops, Software



Manya Gauba
Biz Ops, Software



Chen Peng
Biz Ops



Colby Snyder
Structures, Cutterhead



Fady Fahmy
Muck Removal



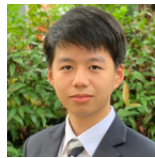
Ilya Kozhelskiy
Biz Ops



Tej Panigrahi
Structures, Propulsion



Jason De Gentile
Cutterhead, Main Drive



Kawin Leephakpreeda
Cutterhead, Main Drive



Guilherme Ricci Coube
Cutterhead, Main Drive

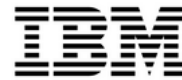


Rishu Mohanka
Founder, Advisor



Tom Luca Reinhardt
Advisor

We Have Worked At...



Our Sponsors



What Our Enhanced TBM Will Do

First Principles + Extreme Ownership + Accelerated Schedule = Innovation

1

First Team to 30 Meters – In the 2024–2025 season, we will be the first team to build the simplest TBM that is testable and digs to 30 meters safely and reliably.

2

Test Dig Before Competition – We plan to conduct a full test dig in January 2025, three months before the competition. This will set us apart from past teams that were unable to perform reliable test digs due to system complications, causing many to fail to dig at all during the competitions.

3

Future Enhancements to Leapfrog Competition – We plan to add peripherals including steering, automated propulsion (e.g., a hexapod actuator system), tunnel lining deployment, and porpoising, which will cut our dig time by at least 50%.



Support Our Mission!

** Sponsorships are considered charitable contributions, which could offer tax benefits*

Diamond (\$35,001+)

Gold Sponsorship Tier Plus:

- **Exclusive Recruiting Day** – Sponsor-exclusive career day or workshop hosted by the team, including personal meet-and-greets and recruiting opportunities
- **Co-Branding on TBM at Events** – Your company's logo highlighted at Hyperloop public events and at sponsor's choice of conference or showcase
- **Invitation to Hyperloop Conferences** – Special invitations to attend and speak at Hyperloop conferences or events, with the opportunity to attend the 2025 Not-a-Boring Competition

Gold (\$10,001 to \$35,000)

Silver Sponsorship Tier Plus:

- **Premium Logo Placement** – Large, premium placement of your logo on the TBM, team website, apparel, and all media releases
- **Sponsor Mentorship** – An opportunity for sponsor to provide mentorship to the Hyperloop team in areas of innovation, marketing, and product development
- **Exclusive TBM Tour** – Personal guided tour of the team's facilities, with opportunities to test and demo features on the TBM

Silver (up to \$10,000)

- **Access to Hyperloop Resume Book** – First access to top-tier engineering and business talent through a team-curated resume book
- **Co-Branded Team Gear** – Sponsor's logo featured on limited-edition team merchandise
- **Expanded Online Reach** – Promotion across social media channels (100k+ reach)
- **Hyperloop Insights Package** – Sponsor receives exclusive quarterly updates on Hyperloop's technology developments, including a behind-the-scenes newsletter

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