

Cornell Hyperloop



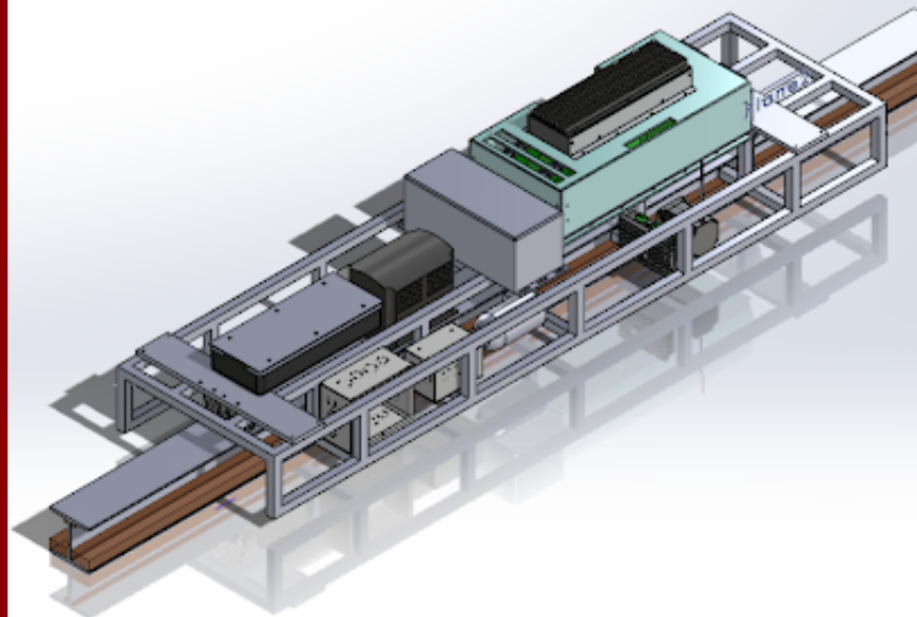
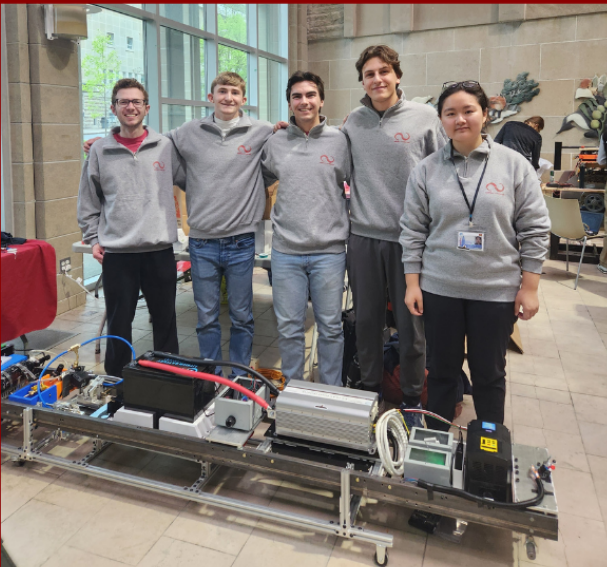
Keeping in The Loop

Issue 003 Fall
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Breaking Barriers

Welcome to this year's fall edition of the Hyperloop Newsletter! As we speed into November, we're thrilled to share exciting updates on our progress, upcoming events, and team milestones. This month, we're setting our sights on defying gravity through our annual crowdfunding campaign, which will help power our continued work on levitation technology: a core focus of our mission to revolutionize high-speed transportation.

Hyperloop Global 2025



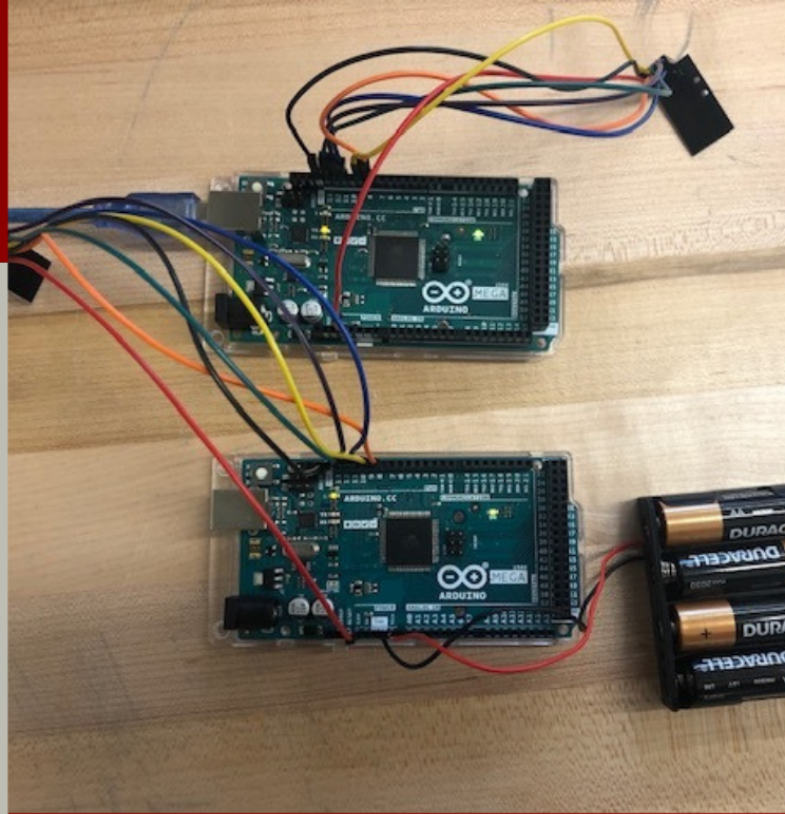
Instagram: @cornellhyperloop
<https://www.cornellhyperloop.com/>

Questions? Email
hyperloopteam@cornell.edu

Team Updates

Mechanical

This fall, the Mechanical team has been making major strides across multiple systems, combining redesigns and optimizations. For frictional brakes, we're streamlining the design to reduce weight and size and improve overall robustness. Magnetic brakes are being optimized for a more compact, precise structure. On the propulsion and control side, we are creating our own electromagnets for the mini-pod to continue improving our levitation efforts. The chassis and aeroshell have undergone complete redesigns to enhance performance and integration. These updates are bringing us closer to a more robust, high-performing Hyperloop pod ready for competition.



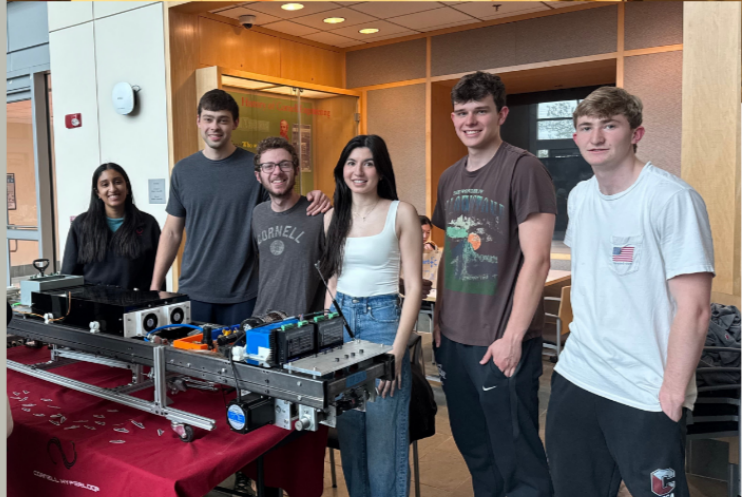
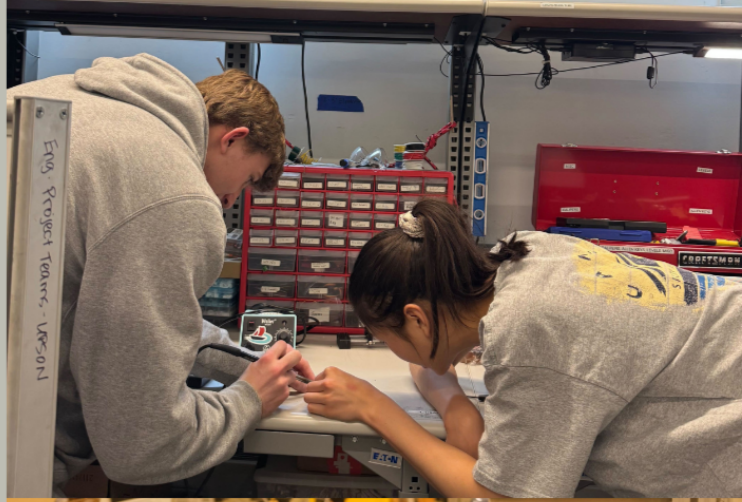
Electrical

This fall, the Electrical team has been focused on advancing both propulsion and control systems for the Hyperloop pod. We are researching and improving the LIM for the mini-pod, laying the groundwork for its future implementation on the full-sized pod. Work is also underway to enhance the GUI for better usability, develop a custom PCB for the motherboard, and test the full sensor layout. Additionally, a new sensor layout is being designed for the pod configuration without LIM, ensuring accurate performance monitoring and data collection across all systems.

Business



This fall has been an exciting season for the Business Team as we expand our reach, strengthen the Hyperloop community, and secure vital support for our mission. We've had one of our most successful recruitment cycles yet, with nearly 100 new applicants eager to join. Our social media continues to grow as we share updates, highlights, and behind-the-scenes content, while we prepare for our November crowdfunding campaign and a refreshed website launch. We're also thrilled to announce a \$20,000 sponsorship from Maxon and a new partnership with Ansys, providing nearly \$900,000 in software licenses for advanced design work. To top it off, we're expanding our visibility through a feature in the Cornell Daily Sun newsletter, helping us share our progress with a wider audience.



Crowdfunding

This November, Cornell Hyperloop is launching our annual crowdfunding campaign to support our ongoing research and development efforts. Throughout the month, we'll be raising funds to advance our primary focus for the year: continuing development of our levitation system, a crucial step toward creating faster and more efficient high-speed transportation. We would also like to express our sincere gratitude to everyone who supported us last year; your generosity made it possible for us to make major progress, and we're excited to build on that momentum together this season.