



**LHR**

UT AUSTIN

Longhorn Racing

# Letter from our President

Dear Friend,

On behalf of the Longhorn Racing family at The University of Texas at Austin, I am reaching out to you for support during our 2023-2024 build cycle, and beyond. In 1980, our organization started the first Formula SAE collegiate design competition. Today, Longhorn Racing is the largest technical student organization on the Forty Acres, dedicated to graduating strong and skilled students through their experiences with our three vehicle design teams and six operations committees. Through LHR, our students have opportunities to learn hands-on skills in engineering, design, manufacturing, and validation, as well as develop important soft skills for their future careers such as leadership, teamwork, planning, initiative, and independence.

I truly mean it when I say that our corporate and private partners are invaluable to the success of our organization. We quite literally could not do anything we do without them. My hope is that the information in this document will move you to join in our success as our newest partner. If you have any questions for me or would just like to learn more about Longhorn Racing, please do not hesitate to reach out. I am always happy to discuss our future with anyone. Thank you for your time, and we look forward to working with you for years to come!

Hook 'em,

Andrea Kalani

President | Longhorn Racing

B.S., Mechanical Engineering | May 2024

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# Our Design Teams

## Formula SAE Internal Combustion

Since 1981, our team has enabled students of all backgrounds to succeed and grow in their skill sets. With every build, we emphasize the design, manufacturing, and validation processes. This focus helps us gain both technical and professional experience and ensures that we improve year after year.



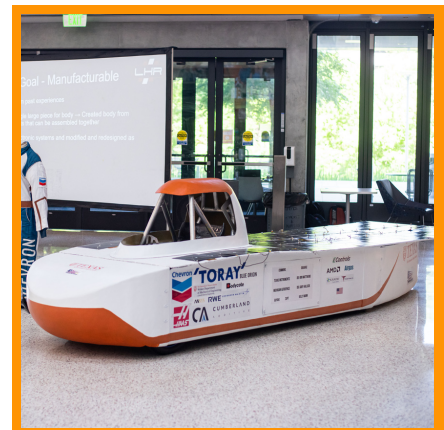
## Formula SAE Electric



Our young team is fueled by a culture of education, sustainability, and innovation. Our students have a front row seat to the electric vehicle revolution, gaining hands on experience with electrical components. We are also committed to learning and passing on that knowledge as the team continues to grow.

## Solar Vehicle Team

We are a multidisciplinary team striving to build the fastest, most efficient solar powered vehicle. Since 1989, we have conquered real-world problems, challenging students in areas such as energy management, aerodynamics, and high-tech material fabrication. Our focus on renewable energy makes our team one of the greenest on campus.



# Our Journey

## Past - Competition

Last Summer, the Combustion and Electric teams competed in FSAE Michigan. Combustion placed 11th in design and completed all events while Electric placed 13th in Design and 10th in cost. These results are amazing stepping stones into the plans for the development of this year's cars. The Solar team worked in developing their next year and started their manufacturing process effectively.



## Present - Organization Growth



In the 2022-2023 academic year, we saw a large growth in each design team. During our initial recruiting week, we had over 800 applications and accepted over 150 students, making Longhorn Racing the largest technical organization on UT's campus. As our teams grow, however, so too are our needs for tools and materials, especially as our design teams explore new materials and manufacturing techniques.

## Future - Ambition

This upcoming season, all teams will continue to expand their goals and ensure the completion of them. Our Combustion team plans to manufacture a monocoque and our Electric team plans to pursue new battery technologies. The Solar team is planning on competing at both FSGP and ASC in 2024, and building upon our successes from 2022. We plan on winning national championships next year and need your support in every way!



# Promoting Safety and Inclusivity

## Safety

At LHR, safety is our topmost priority. We have implemented comprehensive safety initiatives to ensure a secure working environment for all members. One significant measure is the development of detailed Standard Operating Procedures (SOPs) tailored to the diverse array of environments in which we operate. These SOPs provide clear guidelines and protocols to follow, guaranteeing that our teams are equipped to handle any situation safely and efficiently. By prioritizing safety, we uphold the well-being of our members and create a culture where everyone can work confidently and with peace of mind.



## Diversity



LHR prioritizes inclusivity and equal representation through active recruitment from organizations like AWIM and SWE, ensuring a diverse talent pool. Notably, our team boasts a higher percentage of women compared to the Electrical and Computer Engineering (ECE) department. Moreover, we are delighted to announce that our Electric team recently won the Everybody in Campaign award during this year's competition, recognizing our efforts in fostering a diverse and inclusive work environment.

## Outreach

Our team is dedicated to impactful STEM outreach. We actively participate in local initiatives like ALS Fundraiser with the Busby Foundation and Girl Day at UT-Austin. We take cars to schools, engaging students with interactive engineering activities. Additionally, we host events with corporate partners to promote STEM education, empowering students to pursue their passions. Through outreach, we aim to create a more inclusive STEM industry and nurture a passion for learning among youth.



# We Need Your Support

While the University of Texas provides us with laboratory space and facilities for our design teams, nearly all of Longhorn Racing's budget comes from corporate supporters and individual donors. We welcome donated materials and services; their fair-market value is used when determining level of support. Upon our receiving your contribution, you will be sent a letter of thanks that will contain all necessary information for your tax records, as well as an invitation to the unveiling of our new vehicles.

If you would like to learn more about our design teams, we encourage you to visit [longhornracing.org](http://longhornracing.org) for more information. If you are interested in making a donation to Longhorn Racing, please contact us or donate online at [tinyurl.com/LHRdonate](http://tinyurl.com/LHRdonate).

Thank you for your support!

<b>Our Commitment to You</b>	<b>Base</b> \$1,000+	<b>Bronze</b> \$3,000+	<b>Silver</b> \$7,500+	<b>Gold</b> \$10,000+	<b>Platinum</b> \$25,000+
Honored on Website & Social Media	✓	✓	✓	✓	✓
Recognized in Newsletter	✓	✓	✓	✓	✓
Work-Day Chat		✓	✓	✓	✓
General Meeting Presentation			✓	✓	✓
Logo on Competition Vehicles	Name	Name	Small	Medium	Large
Behind the Scenes Walkthrough				✓	✓
Drive-Day Tailgate					✓
LHR Connections					✓

## Title Partner - \$50,000+

In addition to all the benefits available to platinum partners, we encourage you to let us know how you would like to be honored. We will provide a VIP tour and invite you to be a Keynote Speaker at our Unveiling event. Furthermore, bring our vehicles to exclusive events, help us design future vehicle liveries, free LHR merchandise, and more!

Note: Should we not be able to use these donations for our 23-24 year due to cancelled races or other circumstances, we will work with you to apply them to a future event or project.