



# VIKINGS FORMULA

A Formula SAE Electric Team

INVESTMENT PROPOSAL

## What is Formula SAE?



Formula SAE is a student design competition organized by the International Society of Automotive Engineers. In Formula SAE, university teams design, build, and compete small formula style race cars. This competition is comprehensive as it tests a team's ability to manage their project, market their team, and design and build a highly complex vehicle.

Formula SAE Electric is a specific competition within Formula SAE, which has become increasingly popular. With the dawn of electric vehicles, Formula Electric aims to engineer a future for electric powered vehicles through enabling students.

By simulating a professional engineering project, Formula SAE Electric fosters interdisciplinary collaboration, critical problem-solving, and hands-on experience with cutting-edge electric vehicle technology. It serves as a training ground for the next generation of engineers, preparing them for careers in electric mobility, renewable energy, and high-performance automotive design.

## Who are we?



Vikings Formula, or Cleveland State Formula SAE Electric, is the official Formula SAE club at Cleveland State University, located in Cleveland Ohio. Recently started in early 2025, Vikings Formula seeks to revive the legacy of Formula SAE at Cleveland State.

Comprised of approximately 40 dedicated engineering students, our team is committed to designing, building, and testing a fully electric formula-style race car. Our goal is to compete in the Formula SAE Electric competition held annually in Michigan, representing Cleveland State University on a national stage and showcasing our innovation, technical skills, and teamwork.

Our team opens opportunity for students of all majors and backgrounds to collaborate together on a large-scale project. Our goal is to foster creativity, teamwork, and learning, no knowledge is required for those interested in joining.

## Meet Our Team

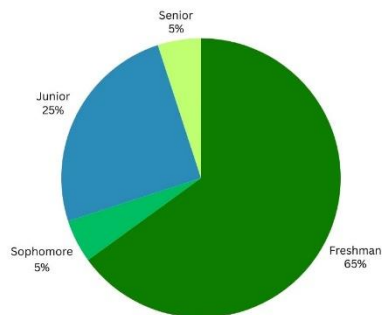
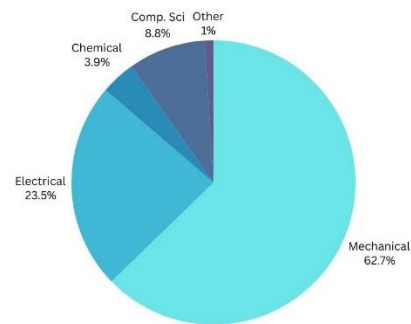


The Vikings Formula Team is comprised of around 40 Mechanical Engineers, Electrical Engineers, Computer Science Students, Chemical Engineers, and others.

We are committed to continuously expanding our team by bringing in new talent across all areas of study. By fostering a diverse and collaborative environment, we aim to not only enhance our technical capabilities but also strengthen our innovation and arability.

The following graph presents a breakdown of the disciplines of our team members.

Currently we are predominantly Mechanical Engineers with 62.7% of members followed by 23.5% Electrical Engineers. We also have Chemical Engineers (3.9%) and Computer Science Majors (8.8%).



Vikings Formula boasts a predominantly young member base, with many of our members in their first or second year of university. This youth-driven team brings fresh perspectives, high energy, and a strong willingness to learn. Our early engagement with students allows for long-term development, continuity, and leadership growth within the organization, ensuring the sustainability and future success of the team.

## **Team Leadership**

The following are the leaders who make this club possible.



**Zak Etzel**

**President**

Senior Mechanical Engineer



**Brendon Vo**

**Vice President/Suspension Team Lead**

Sophomore Mechanical Engineer



**Stefan Lechintan**

**Treasurer**

Junior Mechanical Engineer



**Suvidh Pradhan**

Chassis Lead  
Sophomore Chemical Engineer



**John Quigley**

Electrical Team Lead  
Sophomore Electrical Engineer



**Zoltan Harsanyi**

Brakes Lead  
Sophomore Mechanical Engineer



**Scott Whalen**

Mechanical Powertrain Lead/Secretary  
Sophomore Electrical Engineer



**Ian Roth**

High Voltage Lead  
Sophomore Electrical Engineer



**Andre Moncrief**

Low Voltage Lead  
Junior Electrical Engineer

# Team Goals

Vikings Formula Team Objectives and Goals:

## Short-Term Goals (2025 Season)

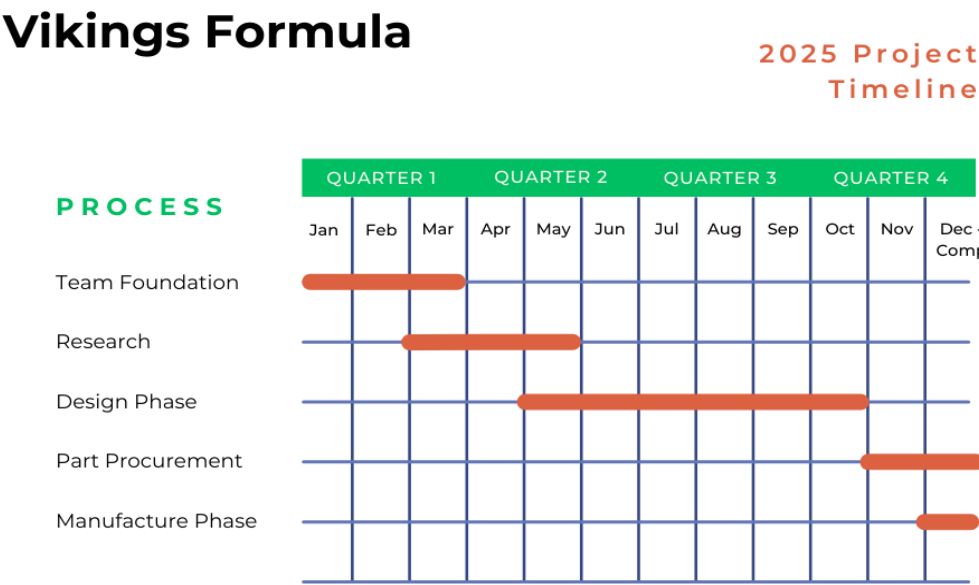
- **Finalize Team Infrastructure:** Finalize subgroup leadership roles and internal workflows to ensure efficient collaboration and accountability.
- **Fundraising and Sponsorship:** Secure financial and in-kind support from university departments, industry sponsors, and community partners.
- **Create Marketing/Business Team:** Marketing and Business team to help organizing events and team promotion.
- **Team Training and Onboarding:** Provide technical workshops and safety training for new members to ensure readiness for design and fabrication tasks.

## Long-Term Goals (2026 and Beyond)

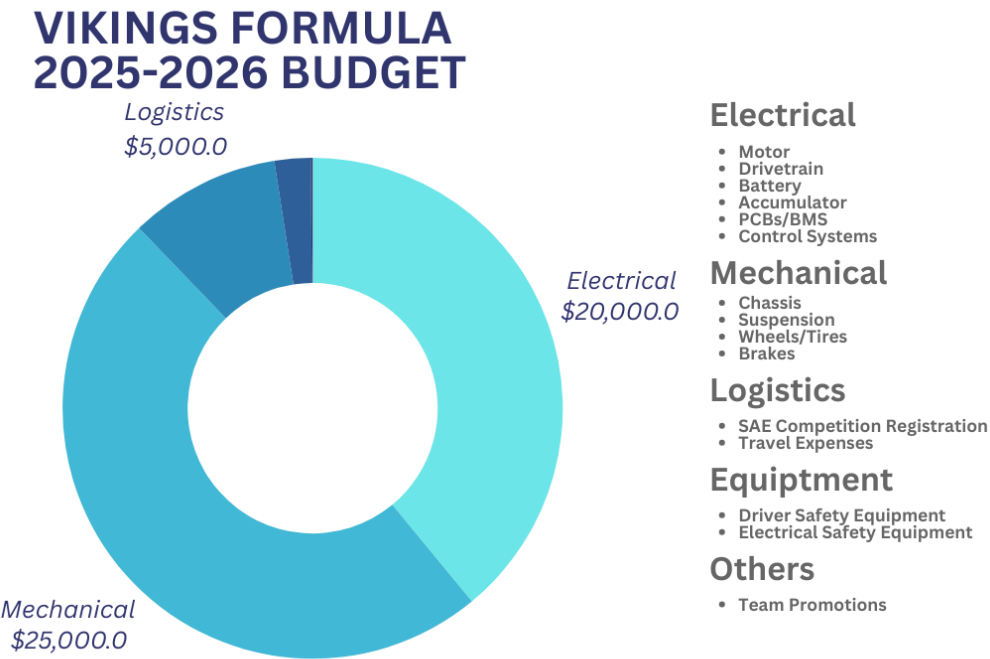
- **Build and Test a Competitive Vehicle:** Complete a fully functional electric race car capable of passing FSAE technical inspection at Michigan Competition by Summer of 2026.
- **Grow Membership and Outreach:** Expand the club's visibility across campus and within the Cleveland community through outreach events, partnerships, and public demos.
- **Foster Industry Connections:** Develop long-term relationships with engineering firms, EV manufacturers, and alumni for mentoring, internships, and sponsorship.

# Project Timeline & Budget Breakdown

Below is a rough project timeline outlining key phases to ensure steady team progress toward the 2026 competition:



Below is a rough budget for each subgroup for components and safety equipment. We aim to raise around or over \$52,000 by September in order to be on track to purchase parts by early November 2025.



# Why Sponsor Vikings Formula?

Investing in Vikings Formula is investing in the future of engineering and automotive innovation. As CSU's official Formula SAE Electric team, Vikings Formula provides a unique opportunity for industry partners to engage early with skilled, motivated, and job-ready engineering talent.

## 1. Direct Access to Engineering Talent

Our team is composed of highly driven students specializing in Mechanical Engineering, Electrical Engineering, Computer Science, and related disciplines. Through hands-on experience with electric drivetrains, high-voltage systems, batteries systems, CAD, embedded systems, and advanced simulation tools, our members graduate with industry-relevant skills. By investing in Vikings Formula, sponsors gain early exposure to this emerging talent pool, creating a direct recruiting pipeline to future engineers who already have practical experience working on real world projects and multidisciplinary systems under real-world constraints.

## 2. Tax Deductible

All contributions to Vikings Formula are 100% tax deductible under 501(c)(3) through the Cleveland State Foundation.

## 3. Bridging the Gap Between Academia and Industry

Our team members don't just learn theory; they attain real world experience. From the beginning our team faces real world challenges managing a budget, sourcing parts, fabricating components, multidisciplinary collaboration, problem solving, and making industry partners.

## 4. Driving Innovation in EV Technology

As the world pivots to electric mobility, Vikings Formula is training engineers to prepare for that future. Our work with electric drivetrains, battery systems, and control electronics mirrors the challenges faced by leading-edge vehicle manufacturers

## 5. Enhancing Partner Visibility

Sponsors receive logo placement on our vehicle, uniforms, and promotional materials, in addition to opportunities for co-branded events, demos, and campus engagement. Supporting us also demonstrates your company's commitment to STEM education, sustainability, and regional talent development.

# How to Sponsor

If you are interested in sponsoring Vikings Formula or have questions about donating, please contact [csuformulae@gmail.com](mailto:csuformulae@gmail.com) or go to <https://www.supportcsu.org/how-to-give/annual-giving> designation: Formula SAE Fund. We gratefully accept both material and monetary donations. **All donations are eligible for tax deduction under 501(c)(3).**

Checks payable to Cleveland State University designated to Formula SAE Fund.

Foundation Address is:

Cleveland State University Foundation  
2121 Euclid Avenue, UN 501  
Cleveland, OH 44115-2214



## **Sponsorship Packages**

### **Bronze Sponsor \$1,000+**

- 501(c)(3) tax deductible
- Small logo on car
- Featured on our social media
- Invite to unveiling of car
- Invitation to all team hosted events

### **Silver Sponsor \$2,500+**

- All benefits of Entry
- Medium logo on car
- Featured on our website

### **Gold Sponsor \$5,000+**

- All benefits of Silver
- Large car logo
- Logo on team uniforms

### **Platinum Sponsor \$7,500+**

- All benefits of Gold
- XL logo on car
- Invitation to speak at unveiling
- Promotions at team events
- Social media post

**More Information at**

**[www.vikingsformula.com](http://www.vikingsformula.com)**