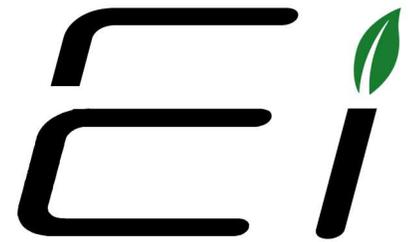


ECO ILLINI SUPERMILEAGE

SPONSORSHIP PACKET | 2020-2021



*OFFICIAL
SUPERMILEAGE
TEAM OF THE
UNIVERSITY OF
ILLINOIS
URBANA-
CHAMPAIGN*

CONTACT US:

ecoillini@gmail.com

ecoillini.mechse.illinois.edu

facebook.com/ecoillini

ADDRESS:

1203 W Western Ave
Engineering Student
Project Laboratory,
Urbana, IL 61801



The following pamphlet is a comprehensive list of representation that Eco Illini Supermileage agrees to give per a received donation(s). Monetary values are determined by direct and in kind donations. Eco Illini reserves the right to promote any company to a higher sponsor level if the value of the partnership is deemed larger than the original level. Please contact us if you have any questions.



Shell
Eco-marathon

WHO WE ARE:

We are a student run organization which designs and fabricates a highly fuel efficient vehicles to compete annually in the Shell Eco-Marathon Americas and SAE Supermileage competition.



TEAM MISSION:

Our mission is to provide our members opportunities to apply course content to real projects, develop technical and professional skills, and offer valuable experiences in engineering at the intersection of efficiency and sustainability, regardless of their major or desired career.

TEAM RECORDS:

1,137MPG

152MI/KWH (5,123MPGe)

CARBON FIBER BODY TO
ACHIEVE CHASSIS WEIGHT
OF 70LBS

ADVANCE GASOLINE AND
ELECTRIC POWERSYSTEMS

ALWAYS STRIVING TO ACHIEVE THE BEST

2019

Achieved 1st Place at Shell Eco Marathon with 152mi/kWh (5,123MPGe)

2016

Achieved 4th at SAE supermilage with 1,137mpg

2014

Radically redesigned car with a custom made engine

2012

Team's first carbon fiber monoqauque chassis engine

2011

Placed 1st at Shell Eco Marathon in the ethonal category

2010

Founded the Eco Illini Team

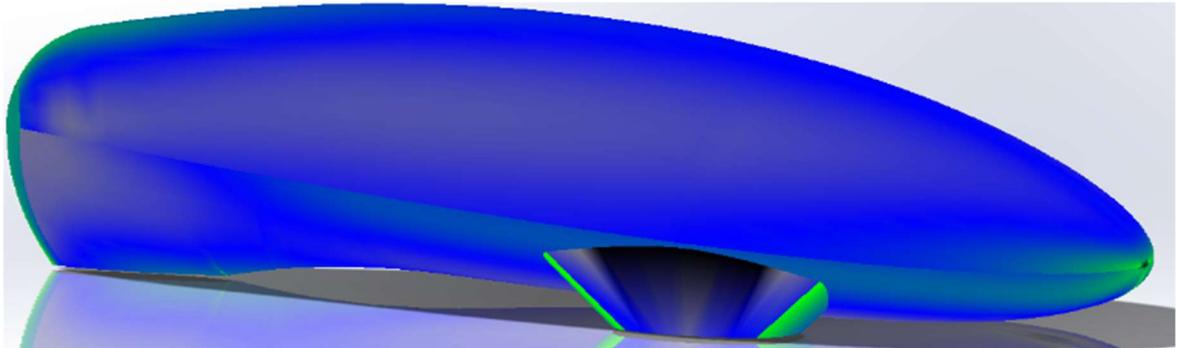


The Two Competitions

SAE Supermileage

SAE Supermileage is an annual engineering design competition centered around achieving the highest fuel-efficiency. Held in Marshall, Michigan in early June, teams from across the country are challenged to verbal and written reports in addition to the design and fabrication of a single person prototype vehicle.

The team finished seventh overall in the Virtual Design report challenge this past June. The team's highest overall finish was fourth place, at 1137 MPG in June 2016.



Shell Eco Marathon Americas

Shell Eco Marathon is another engineering design competition centered around energy and fuel efficiency. The team competes in the prototype category, recently switching from the gasoline to battery electric category.

Although the competition was virtual in 2020, in 2019 the team placed first in our first attempt at the category with a 152 mi/kWh run.



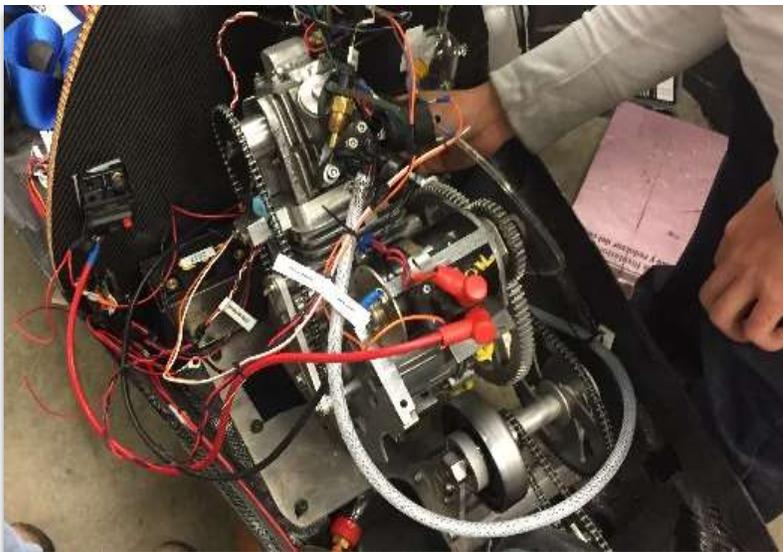
Our Power Systems

Gasoline Drivetrain

Eco Illini Supermileage was founded in 2010 and has competed annually in the gasoline engine category at SAE Supermileage and or Shell Eco Marathon (SEM).

The team's engine is a highly modified Briggs and Stratton J206 engine. Adjustments include a Honda rx50 head with a camshaft drive, a high compression piston, and a team built con rod. The compression ratio is 16:1 and has 3 horsepower. The car has electronic fuel injection using a Microsquirt ECU to tune the engine.

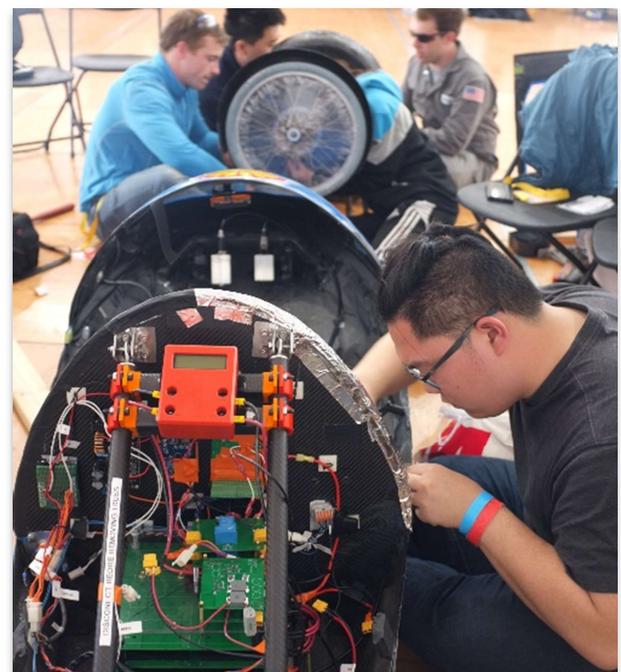
In 2020, the team will heavily test and tune the engine following a complete reconstruction with fresh components. The team will implement a modified choke to idle the engine, implement hydraulic foot-operated brakes, and collect real-time data from the ECU to perform extensive tuning under rigorous testing. The team looks forward to returning to the SAE competition to break both personal and school records of 1500 mpg.



Electric Drivetrain

Eco Illini recommitted in 2019 to the prototype electric vehicle category, approving a dedicated electric vehicle to be constructed following the team's 1st Place finish at Shell Eco Marathon Americas. The team switched to a brushless motor controller and pursued system-wide upgrades, yet the COVID-19 pandemic stalled physical implementation as the competition transitioned online.

The team returns in 2020 to finish the construction, installation, and testing of our new vehicle. The new composite reinforcement sheds significant weight over prior vehicles while a new aero package and top panels lower the drag coefficient and increase driver comfort and vision. With the success of virtual electronic development, the team looks to integrate and rigorously test our vehicle this year and return to both defend our title and achieve over 220 mi/kWh.



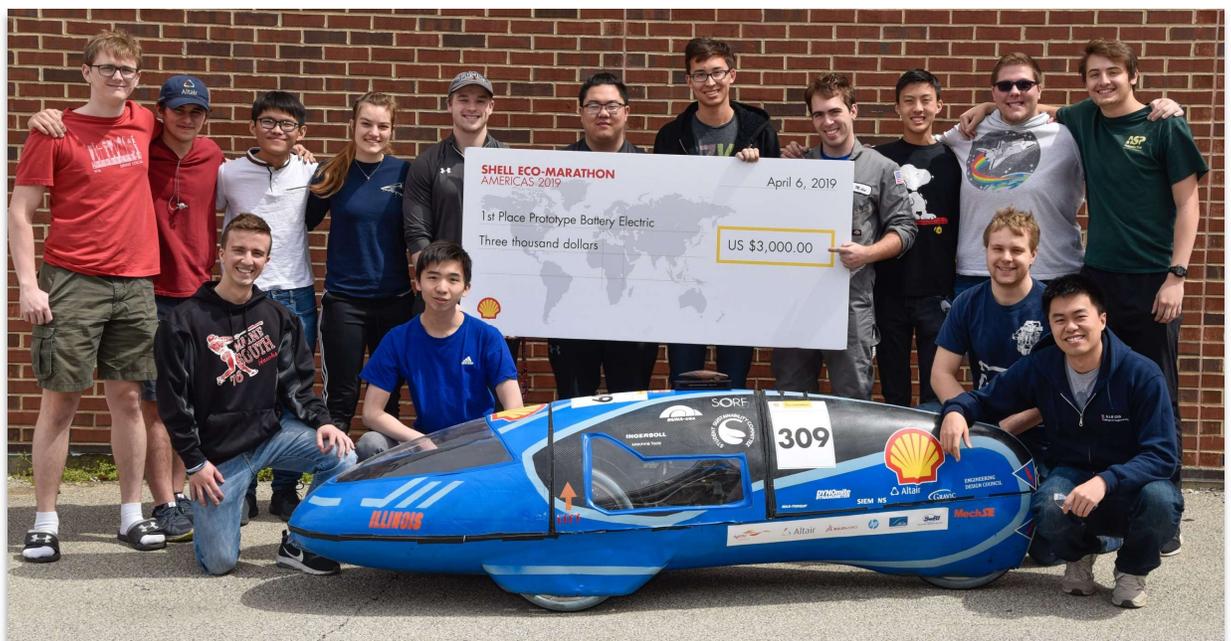
Why Support Eco Illini Supermileage?

As a student-run organization, Eco Illini's development is dependent on funding from corporate partnerships. By choosing to sponsor the team, you provide the team with the necessary resources to fabricate, maintain, and improve our car. In addition, funding is a huge factor in assisting the team with the transportation costs associated with competitions. Your support helps the team continue to grow year after year, keeping the tradition of constant improvement going.

Sponsoring the team gives your company exposure to students in one of the top engineering schools in the nation. Your sponsorship furthers the experience of prospective engineers and students in a diverse and small-team environment as we seek to connect academic content to tangible development and real-life challenges.

Eco Illini is involved in several other major events throughout the year including the University of Illinois at Urbana-Champaign Homecoming Parade, Champaign Children's Science Museum Robot Day, McHenry County College's Green Living Expo, University of Illinois Urbana-Champaign Engineering Open House, and the Shell Eco Marathon and SAE competitions.

The team receives lots of publicity on and off campus throughout the year and is committed to recognizing the generosity of its sponsors. Additionally, any cash or in-kind donations are tax deductible. Sponsoring our team can assist in demonstrating your company's commitment to a more efficient and sustainable energy future.



SPONSORSHIP LEVELS

Honorary member– up to \$199 & discounts

- Company name on website www.ecoillini.mechse.illinois.edu with link to your homepage
- Sponsor Newsletter Subscription

Bronze Partnership - \$200 to \$499

- Honorary member benefits plus ...
- Standard representation on car: small logo on side of car
- Team photo and appreciation letter
- Social media shoutouts

Silver Partnership - \$500 to \$999

- Bronze Partnership benefits plus ...
- Upgraded representation - medium logo on side of car
- Recruitment events upon request



Gold Partnership - \$1000 to \$4999

- Silver Partnership Benefits plus ...
- Distinguished representation - large logo side of car
- Workshop tour invitation *pending COVID-19 restrictions
- Company logo on back of team shirts and featured on team homepage
- Distribution of corporate recruitment materials at team events (provided by sponsors)



Orange and Blue Partnership - \$5000+

- Gold Partnership plus ...
- Prominent representation on car - large logo on car top
- Company name/logo on all team presentations



We also accept in-kind sponsorships through manufacturing, tooling, composites, software, and components