



Electric Motorcycles

Sponsorship Packet

2024-2025

Ghost Electric Motorcycles

<https://ghostelectric.web.illinois.edu/>

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Purpose

Ghost Electric Motorcycles was founded to teach and practice sustainable engineering through designing, building, and racing industry leading electric motorcycles at the University of Illinois at Urbana-Champaign.

Mission

The Ghost Electric Motorcycles club at the University of Illinois at Urbana-Champaign is an innovative and dynamic student-run organization with a clear mission: to foster more sustainable engineering processes through the design and construction of electric motorcycles.

Ghost aims to participate in the AHRMA Formula Lightning Varsity Challenge. As a newly established team, we are committed to fostering a vibrant community of aspiring cross-disciplinary engineers, drawing upon the rich expertise and knowledge cultivated within UIUC's prestigious engineering program. With a year-round dedication to our craft, Ghost exemplifies a passion for sustainable engineering and a collective pursuit of excellence in the exciting realm of electric motorcycle design and racing.

EV technology is still in its early stages. With Ghost, we plan to take advantage of the performance vehicle renaissance's infancy.

Main Goals for This Season

1. Teach students real-world engineering skills
 2. Build our first working electric motorcycle
 3. Acquire fifteen dedicated sponsors
 4. Build an arsenal of tools for motorcycle repairs and maintenance
 5. Become an official AHRMA member
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Finances

Total Cost Estimate	\$27,150
Electronics	\$12,000
Mechanical Parts	\$10,000
Infrastructure	\$150
Tools	\$2,500
Software	\$1,000
Miscellaneous	\$1,500

According to our student financial analysis team, this table provides a rough estimate of the total cost of the 2024 season. We assure that not a single cent of the funding we receive is lost in the process of our season.

**Total cost estimate is subject to change.

The Race

Ghost aims to participate in an organization called American Historic Racing Motorcycle Association (AHRMA) (<https://www.ahrma.org/>). The AHRMA Formula Lightning Varsity Challenge is designed to host universities running any sort of non-petrol powered motorcycles. This is a series established in 2013 that allows the opportunity to race wheel to wheel at high speed. Besides technical inspections, the only limits for the student competitors are creativity and resources.



The Formula Lightning Challenge is a series of approximately 10 races that runs on racetracks all around the country, from Illinois to California to Alabama. It is not required to participate in all races per season.

Technical Specs

	AHRMA Race Bike
Frame	2005 Kawasaki ZX6R (Ninja 636)
Motor	45 kW 3 Phase AC Motor
Battery	120V Lithium Ion, made up of individual 21700 cells
Tire Size	120/70-17 Front Tire & 180/60-17 Rear Tire
Suspension	Front forks and rear monoshock
Speed	Projected 100+ MPH



Why Support Ghost Electric Motorcycles?

Our team is ambitious and hungry for success, but we need the support to do so. Your aid would be elevating opportunities for engineers pursuing a career in the sustainable automotive or manufacturing industry. Any kind of help is huge, whether it is monetary, in-kind, or mentorship. After all, the engineers that you help support today are potential recruits for your professional team tomorrow!

We will promote your company based on the level of sponsorship provided, including (but not limited to) adding your logo to our motorcycle and website, and recognizing your contributions on our growing social media pages. Below is a graph showing what your donation yields.



	Sponsorship Level			
	Basic	Amped	Extreme	Legendary
Sponsorship Benefits	\$500 - \$999	\$1000 - \$2500	\$2500 - \$5000	\$5000+
Large Logo on Bike				X
Access to Team resume Book				X
Medium Logo on Bike			X	X
Social Media Promotion		X	X	X
Small Logo on Bike		X	X	X
Logo on Website	X	X	X	X

Current Sponsors:

- Right Balance Motorsports
- Altair
- Redbull
- American Campus Communities
- PLA Accounting Services LLC
- Illinois Green Fund Student Sustainability Committee
- Klapperich Tool Inc
- InData Consulting
- Wagner Machine Company
- Harley Davidson Motorcycles

*If there is a specific request for promotion that fits your company's needs, please reach out to us at
ghostuiuc@gmail.com

From all Ghost team members, thank you!