



EcoMotion

University of Manitoba's Eco-Marathon Team

2023 - 2024 SPONSORSHIP PACKAGE



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2 November 2023

RE: Support for University of Manitoba EcoMotion team

The Price Faculty of Engineering has a very strong tradition of extra-curricular student-led design competition teams. Currently, approximately 1/3 of our undergraduate students participate in one of 20 teams over a range of engineering disciplines from designing biomedical devices, wind turbines, steel bridges, concrete canoes, racing vehicles, and more. These teams regularly design and build systems and products that place highly in national and international competitions, and the UM EcoMotion team is no exception.

UM EcoMotion, the University of Manitoba's Shell Eco-Marathon team, began in 2017 with nothing except a vision, but their focus, innovation and drive allowed the team to successfully compete as the highest-placed Canadian team in their category of the international Shell Eco-Marathon competition. In 2018, the team started fresh with a goal of improving their efficiency and to remain Canada's top contender and managed to again exceed expectations to defend their title and remain the top team in Canada in their category, but also doubled their efficiency from the previous year. Spring 2023 brought the first formal competition for EcoMotion post-Covid-19, and the team outperformed expectations, placing 11th of out of 25 teams from the U.S.A., Mexico and Brazil at competition in Indianapolis.

The EcoMotion team fosters technical skills and hands-on experiences, as well as students' professionalism, communication, project management, and leadership skills. The team and competition experiences become defining memories of students' undergraduate studies and pivotal moments that shape careers.

In April 2024, the competition will be held on the world-famous Indianapolis Motor Speedway, in Indiana, U.S.A.; home of the Indy 500, and EcoMotion is poised for success. To design and build the refined competition vehicle and travel to Indianapolis for competition requires considerable support. It is the generous contributions of our sponsors which make EcoMotion possible. I invite you to get to know the team and support their efforts. Opportunities for both financial contributions and in-kind donations are available. The attached documents describe how your support can help develop the leaders of tomorrow at the Price Faculty of Engineering and University of Manitoba.

On behalf of the University of Manitoba EcoMotion team and the Price Faculty of Engineering, we thank you for your interest in our students, this project, and their bright futures.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Marcia Friesen'.

Marcia Friesen, P.Eng. Ph.D.
Dean, Price Faculty of Engineering

Our Mission

The team's unique mission is to challenge the way we think of human mobility through the implementation of new technologies that strive to push the boundaries in vehicle efficiency. The team is passionate about minimizing the areas of energy loss in efforts to use the least amount of energy as possible. Ultimately, the team uses the best of talent to build a low-carbon future in hopes of minimizing the human impact made on Earth.

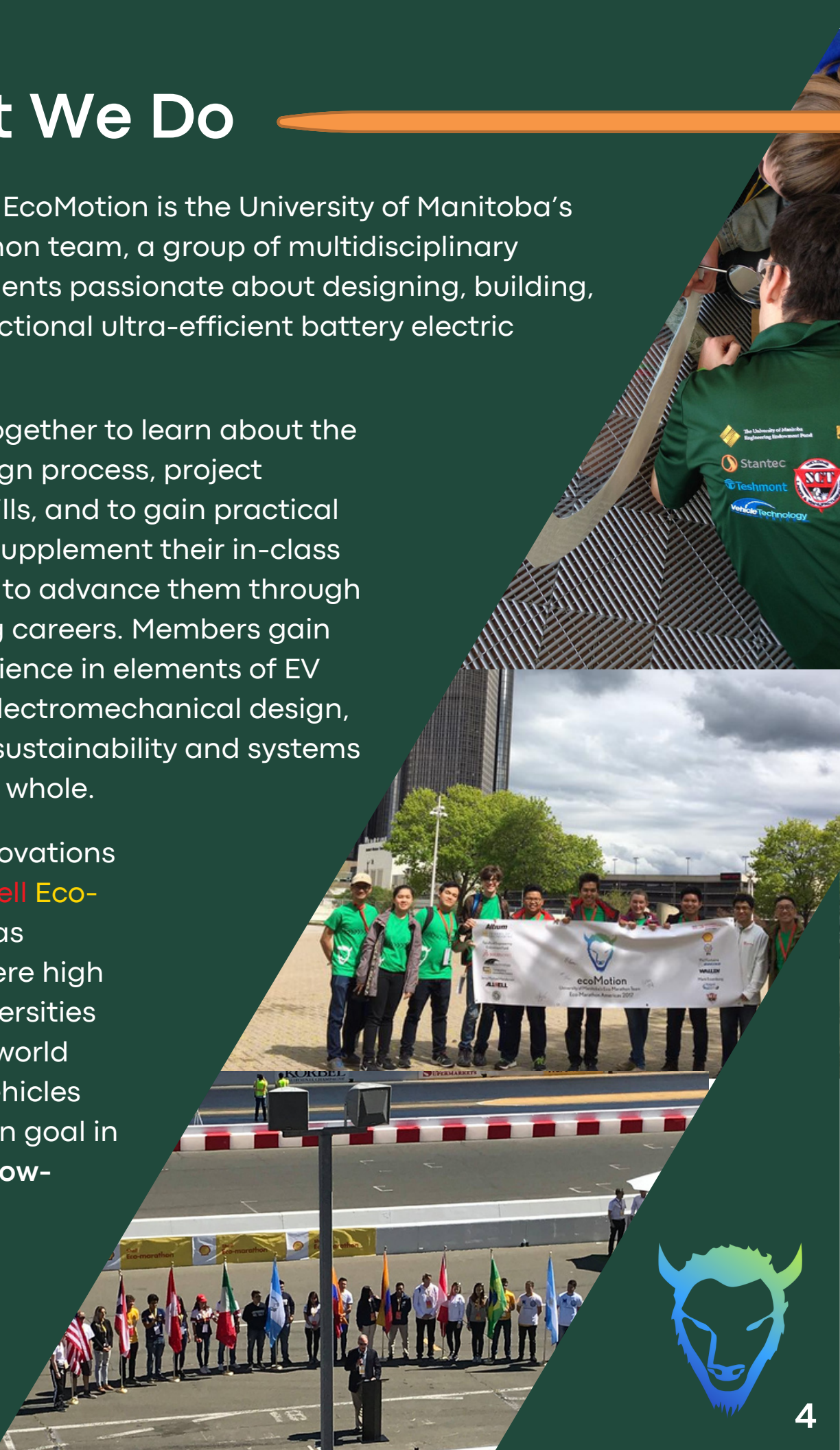


What We Do

Founded in 2016, EcoMotion is the University of Manitoba's Shell Eco-Marathon team, a group of multidisciplinary engineering students passionate about designing, building, competing a functional ultra-efficient battery electric vehicle.

Members work together to learn about the engineering design process, project management skills, and to gain practical skills needed to supplement their in-class experiences and to advance them through their engineering careers. Members gain significant experience in elements of EV system design, electromechanical design, manufacturing, sustainability and systems engineering as a whole.

We bring our innovations to the annual **Shell Eco-Marathon** Americas competition, where high schools and universities from across the world compete their vehicles with one common goal in mind: **to build a low-carbon future.**



Our History

WASKOTEPEYIW 2016-2017 (Battery Electric Prototype)

- Top Canadian Team
- Frame Material: Steel
- Body Material: Fiberglass
- Vehicle Weight: 88kg (194lbs)
- Top Speed: 40km/h
- BLDC Hub Motor



Detroit, Michigan



Sonoma, California

PRAIRIE STORM 2017-2018 (Battery Electric Prototype)

- Top Canadian Team
- Frame Material: Steel
- Body Material: Fiberglass
- Vehicle Weight: 66kg (145lbs)
- Top Speed: 54km/h
- Placed 10th of 17 Teams
- BLDC Hub Motor



Sonoma, California

ECO BISION 2018-2019 (Battery Electric Urban Concept)

- Frame Material: Steel
- Body Material: Fiberglass
- Vehicle Weight: 130kg (186lbs)
- 16 kW DC Motor



Indianapolis, Indiana

PRAIRIE WIND 2022-2023 (Battery Electric Prototype)

- Top Canadian Team
- Frame Material: Steel
- Body Material: Fiberglass
- Vehicle Weight: 66kg (145lbs)
- Efficiency: 40.3mi/kWh
- Placed 14th of 17 Teams
- BLDC Hub Motor

Our Timeline



EcoMotion 2023-2024 Preliminary Vehicle Rendering (Side View)

Why Sponsor Us?

Company Promotion

Your company can have its name and logo placed on our vehicle, website, and apparel, and can be mentioned at our prototype unveiling. Your organization also has the opportunity to be apart of an international competition on the world-famous Indy 500 Track!

Recruitment

Your company gains hiring access to a talented group of engineering students from the University of Manitoba. Past and current members have gone on to work at Tesla, Amazon, Price Industries and Conviron!

Non-Profit

As a non-profit organization, 100% of your donation will go towards materials, equipment, and competition travel for our members, and can be counted as a charitable donation. If so, you will receive a tax receipt!



Projected Expenses

Prototype Development	Projected Costs	Description
Propulsion Components	\$1,995.00	Battery, Motor, Controls
Mechanical Components	\$5,720.20	Body, Frame, Steering, Tires. Brakes
Tools, Equipment, Safety	\$330.00	Propulsion and Mechanical Equipment

Competition/Team	Projected Costs	Description
Competition	\$10,704.00	Vehicle Rentals, Gas, Hotels, Meals
Team	\$1,540.00	Team Apparel, Documentation
Miscellaneous/Other	\$4,830.00	Budget Cushion, 2024 Start-up Float

TOTAL PROJECTED EXPENSES: \$25,119.20

As a non-profit organization, EcoMotion relies on the generosity of our sponsors to continue operating. We appreciate all monetary and in-kind donations and strive to provide value to each of our sponsorships through various promotional methods. With the help of these resources and your generosity, EcoMotion equips members with the practical skills required to supplement their in-class experiences and to advance them through their engineering careers.

Help us get to Shell Eco-Marathon 2024 in Indianapolis, and help drive a more **fuel efficient, sustainable, and low-carbon future** for all!



Sponsorship Tiers

Benefits	Sapphire \$3,000+	Diamond \$2,000+	Platinum \$1,000+	Gold \$500+	Silver \$250+	Bronze \$100+
Website Recognition	●	●	●	●	●	●
Unveiling Invitation	●	●	●	●	●	●
Logo on Event Materials	Extra Large	Large	Medium	Small	Small	
On-Vehicle Decal	Large	Medium	Small	Small		
T-Shirt Recognition	●	●	●			
Mention at Unveiling	●	●				
End of Year Content	●					

WE ALSO ACCEPT IN-KIND DONATIONS!

Materials, Manufacturing, Tools, Expertise, Space, etc.



**2023-2024 UM EcoMotion
Sponsorship Confirmation Form**

SPONSOR INFORMATION

Company Name:

(Exactly as it is to be verbally referenced and/or to appear on promotional materials)

Contact Information: (Please list the name and contact information of the person who will be the day to day contact with the Team)

Contact Name: _____

Address: _____

Phone #: _____

Email: _____

SPONSORSHIP LEVEL (Please check your contribution)

Sapphire \$3,000+ _____

Diamond \$2,000+ _____

Platinum \$1,000+ _____

Gold \$500+ _____

Silver \$250+ _____

Bronze \$100+ _____

Dollar Amount _____

Sponsor Signature _____

Date _____

Printed Name _____

UM EcoMotion Signature _____

Date _____

Printed Name _____

Contact Us

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