

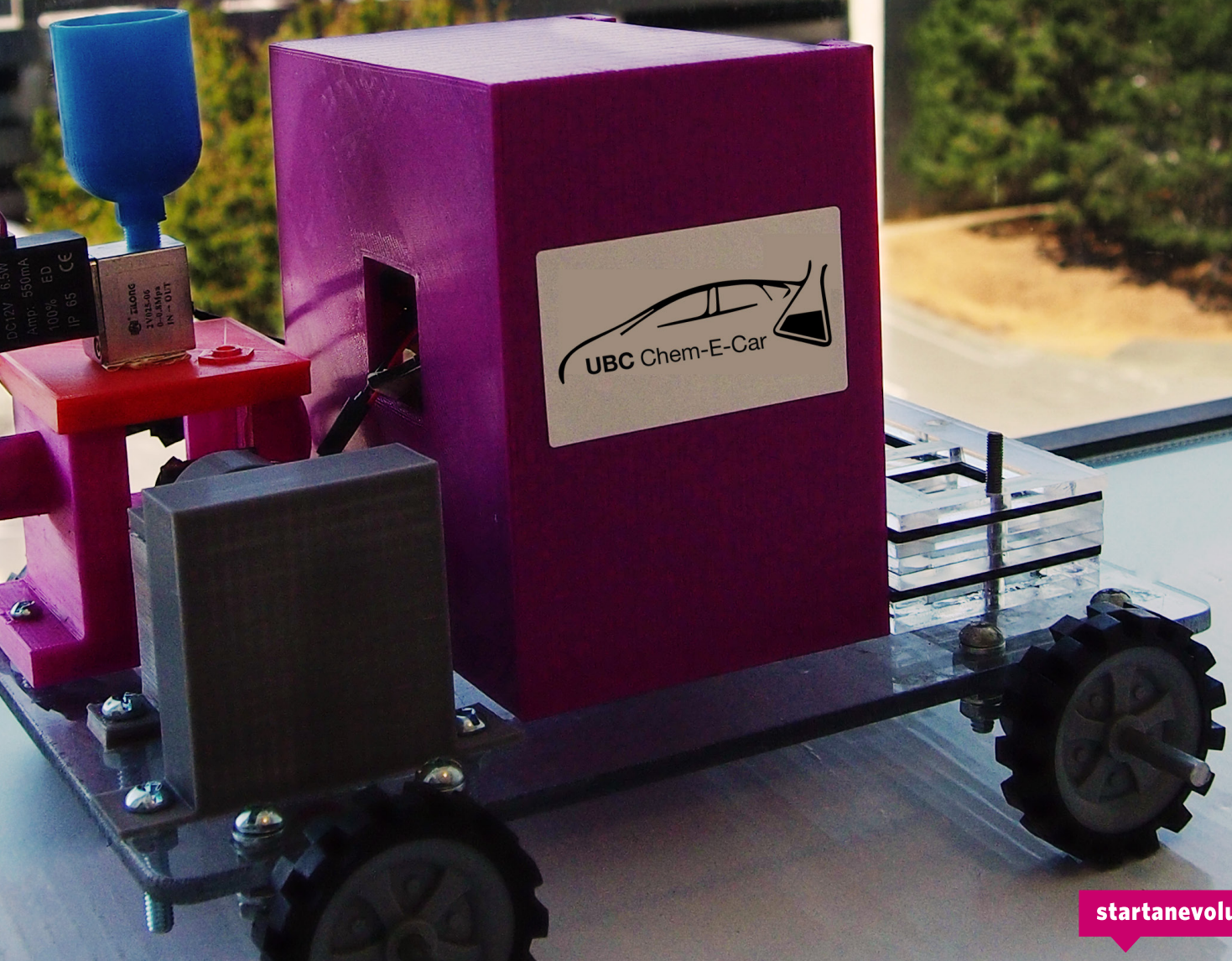


a place of mind  
THE UNIVERSITY OF BRITISH COLUMBIA  
Faculty of Applied Science



# UBC Chem-E-Car Team

## Case for Support





# About the Chem-E-Car Team

The UBC Chem-E-Car is a non-profit student-run team that designs and builds a small-scale automobile which operates using non-fossil fuel energy sources. Our goal is to explore green energy alternatives and compete with other North American Universities at various regional and international competitions.

The competition team is comprised mostly of engineering students, but welcomes and includes students from all disciplines. This provides opportunities to apply and develop hands on experience in design, marketing, safety, sustainability, and community involvement. We have a strong track record of success: A year after its conception in 2008, the team won the Pacific North West regional competition and placed 6th overall in the national competition. After designing a new car in 2013, the group placed 2nd in the regional competition and 6th overall in the National competition. In 2013 and 2014, UBC Chem-E-Car was the only Canadian team to qualify for the AIChE National Chem-E-Car Competition. In 2015-2016, the team is hoping to get a top spot at the national competition.

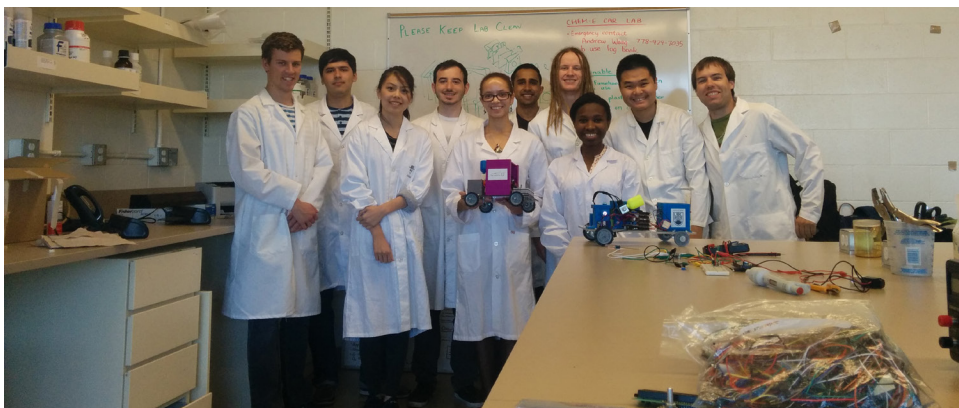
However, in order to reach this goal, our team needs your help: sponsorship funds will help us purchase equipment and travel to competitions where we can showcase our work, learn from our peers, and network with other students and professionals in the field. Your sponsorship comes with a number of benefits. Please consider supporting our team as we pursue green energy solutions and gain valuable skills that will help us succeed as professional engineers!

Thank you very much for your consideration.

**If you are interested in working with or sponsoring the UBC Chem-E-Car team, or would like to know more about us, please contact:**

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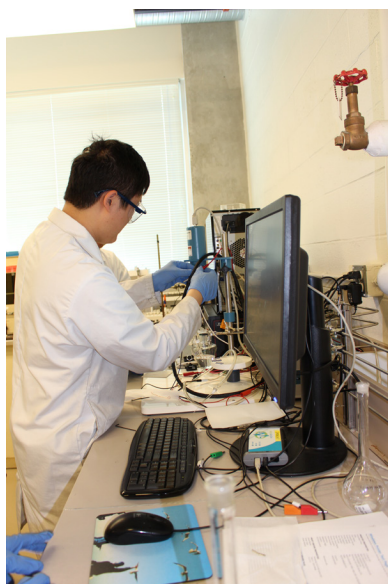


# About the Chem-E-Car

UBC Chem-E-Car is an innovative project that utilizes novel technology to educate students about greenhouse gas emissions. Previous batteries used for the car include sodium borohydride fuel cells and a zinc air battery. The majority of the Chem-E-Car is manufactured with rapid prototype technology, giving students more flexibility with design. At the competition, teams are given distance and load specifications for the car an hour prior to performance. Therefore, students also have to design a stopping mechanism that will enable the car to perform according to these specifications.

Designing and building a chemical car requires continual experimentation. Therefore your support will allow the team to purchase the chemicals, lab equipment, electrical and mechanical components that will make it possible for us to design, develop, and construct this competitive chemical powered car using innovative technologies and novel reactions. In addition, Chem-E-Car is one of the few student teams without a dedicated student machine shop, so we outsource our machining to the departmental machine shop. With machining tools, we would not only save this expense, but learn to make these items ourselves.

Similarly, we would like at least 8 members of our team to travel and represent us in competitions. Apart from airfare and accommodation, the team is required to safely ship chemicals to the competition location. With your sponsorship, these students can be present at competitions and showcase the team.



## Becoming a sponsor

Becoming a sponsor of the Chem-E-Car team allows you to support diligent and enthusiastic students who are invested in augmenting their education and pursuing new, sustainable technologies. Your sponsorship will give undergraduate students a chance to apply their knowledge and teach them skills that they cannot learn in class such as leadership skills. Therefore you will be investing in the future engineers, scientists, and innovators.

In return, by becoming a valued sponsor, you will be a part of a team with affiliations to green energy and technology as well as a supporter of society in a world striving for alternative green energy in the battle to reduce greenhouse gas emissions. We also offer you publicity opportunities on UBC's campus of 50,000 students and at all the competitions we are able to attend.

We provide outreach to the community to encourage innovation and sustainability by showcasing our work at UBC Engineering events. We will do our best to work with you in a professional manner to maximize your exposure in the world of engineering.

Our detailed sponsorship program is featured on the next page.



## Sponsorship Benefits

As a sponsor of the Chem-E-Car team, you will help provide a defining educational experience to a group of driven university students and help us pursue and create sustainable solutions for our communities. Sponsorship benefits include international exposure of your brand/company at events worldwide, and your company's name and logo present throughout our website and all social media releases.

	<b>Bronze &gt;\$500</b>	<b>Silver &gt;\$1,000</b>	<b>Gold &gt;\$2,000</b>	<b>Platinum &gt;\$3,000</b>
Logo and name on website and social media pages*	✓	✓	✓	✓
Logo on team poster*	✓	✓	✓	✓
Invitation to Industry Night as sponsor		✓	✓	✓
Signed photograph of team members		✓	✓	✓
Short description of sponsor and how they contribute to team on website			✓	✓
Logo on car				✓

*\*Logo size varies with level*

