

UBC MARS COLONY

SPONSORSHIP GUIDE

2022



About Us

Mars Colony is a student engineering design team at the University of British Columbia. As of February 2022, we have 30 members from 15 different programs. Inspired by recent private industry and government efforts, our team is dedicated to designing and manufacturing technology needed to establish a human presence on Mars. We provide students with hands-on experience with engineering design and manufacturing processes well beyond typical course material. The team cultivates excellence for industry-relevant areas such as CAD design using Solidworks, machining, control algorithm integration, circuit design, materials testing, mathematical modeling and much more.

Message from the Captains

We would like to extend an immense thank-you to all of our past and future sponsors. The team relies heavily on the support of local industry and community partners. Your contributions affect each and every one of our members, enhancing professional development and opening up career opportunities. This team has helped us shape a sense of teamwork, friendship, excitement, and changed our lives. We are so proud of our achievements so far and can't wait to see what the future has in store for all of us.



My name is **Joya Yamagishi** and I'm currently co-captaining alongside my partner **Hang Zou**. We joined the team in 2019 and have worked our way up to become co-Captains this year.

Through the years we have experienced our team grow first hand and strive to continue this. We work hard every day to provide an experiential learning environment for our team and are happy that people are interested to support.

Our Projects

Mars Expandable Airlock (Completed)

Our inaugural project was to design, prototype, and manufacture a fully functional and collapsible airlock.

For more information [click here](#)



The Sabatier Fuel Plant

The Sabatier Fuel Plant project aims to solve the problem of creating fuel on Mars.

For more information [click here](#)



Mars Farming

UBC Mars Colony's most recent project Feeding All Required Martians (FARM) is dedicated to solving the challenge of supplying food on Mars.

For more information [click here](#)

OUR GOALS



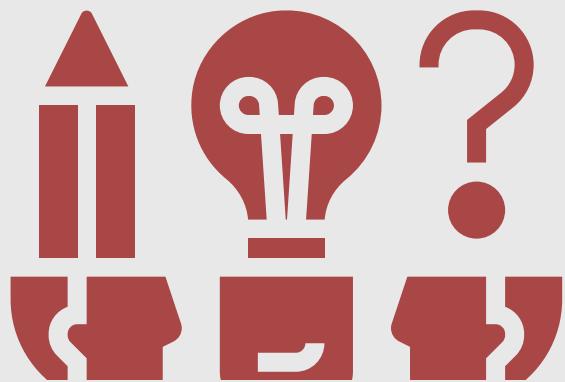
EDUCATION

We strive to enhance the academic careers of our members. Our upper-year members in leadership positions are closely involved in mentoring general members. By applying engineering concepts to real-world applications, we deepen our understanding of fundamental theories. Our projects typically venture outside the realm of what is usually taught in the standard engineering student curriculum, allowing students to pursue topics that they would never be exposed to otherwise.



OUTREACH

We actively participate in outreach events to promote the field of engineering to the general public and encourage youth to pursue engineering as a career. We have held several "STEM Workshops" with local high schools with great success; encouraging all to get involved with the process of engineering through hands-on activities. We have also previously teamed up with Women in Engineering (WIE) to promote female presence in the engineering field at a local high school. Maintaining a diverse and inclusive team is extremely important to us.



CONTRIBUTE TO THE INDUSTRY

Our projects are specially selected such that they provide new and unique outcomes to the field of Space Exploration. We hope to disrupt the industry and showcase our abilities as UBC Engineering Students, promoting the Canadian presence in the field. We do this by submitting papers to and attending international conferences to present our work to industry leaders. Pictured left are our members attending the 2018 International Astronautical Congress in Germany, where they were able to meet and speak with researchers and engineers representing leading aerospace institutes and companies from around the world.

Sponsor Benefit

We recognize the generosity of our sponsors through the following means, grouped into three tiers. Benefits for gift-in-kind donations and standard discounts are negotiated on a case by case basis. Additional benefits may be offered as opportunities arise, or may be adjusted to best suit the needs of your company. Sponsors offering workspaces for our team to use while UBC is closed (provided COVID-19 safety protocols can be upheld) will be granted Gold status by default.

	Bronze (up to \$1000)	Silver (\$1000 - \$2500)	Gold (\$2500+)
Company Name and Logo on website	 small	 medium	 large
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Invitation to UBC Sponsor Appreciation Events*			
Invitation to Project Exhibitions*			
Company Logo on team t-shirts			

How to Contribute

If you'd like to make a difference today, becoming a sponsor of our team is easier than ever! By clicking on our personalized sponsor link below you will be able submit a donation online that will be directly routed to our team's account.

Sponsor Now

(<https://donate.give.ubc.ca/page/80953/donate/1?transaction.dirgift=UBC+Mars+Colony%20G2316>)

If your organization would prefer to pay by cheque, please address the envelope as shown here:

Attention: Ana Merino
UBC Development - Faculty of Applied Science
David Strangway Building
500 - 5950 University Blvd, Vancouver BC V6T 1Z3

Additional payment options are available (by phone, wire transfer, EFT, etc.) and can be accommodated.

Please reach out directly to our team or to team.sponsorship@apsc.ubc.ca for more information.



Thank You for considering to be a sponsor

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to all previous Sponsors

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