



Queen's Space Engineering Team

Sponsorship Package

2021 - 2022

Who are QSET?

The Queen's Space Engineering Team (QSET) is a group of over 100 undergraduate students who are passionate about robotics and space technology. Founded in 2006, QSET designs and builds a semi-autonomous Mars rover that competes annually at the international University Rover Challenge. In 2012, we established the Queen's Space Conference – the first undergraduate space conference in Canada – and in 2016, we began designing nanosatellites for the Canadian Satellite Design Challenge. QSET provides the opportunity for students to develop industry transferrable skills and hands-on research experience while developing solutions to open-ended design problems. Outside of competition, we have a strong commitment to community outreach within Kingston and the university.

Achievements and Vision

QSET Team

We are the most technically diverse design team at Queen's University, with students from every engineering and science discipline. QSET is divided into many subteams, which manage the technical, financial, and outreach aspects of each project.

In 2021, QSET designed and built a scientific research payload to launch into the stratosphere through the CAN-SBX design challenge in partnership with the Students for the Exploration and Development of Space and the Canadian Space Agency. The QSET Rover also redesigned and manufactured a new chassis and robotic arm despite all work being remote for the duration of the design cycle. The team is entering the next design cycle for both the University Rover Challenge and the Canadian Satellite Design Challenge as team operations return to normal.

Our History

2021

CAN-SBX

QSET launches the Horizon CAN-SBX scientific weather balloon payload in partnership with SEDS-Canada and the CSA.

UNIVERSITY ROVER CHALLENGE

QSET's rover was accepted; however, the competition was cancelled due to COVID 19.

2020

UNIVERSITY ROVER CHALLENGE

QSET's rover was accepted; however, the competition was cancelled due to COVID-19.

CANADIAN SATELLITE DESIGN CHALLENGE

The competition was postponed until 2021; however, the QSET satellite team will continue its design cycle to meet the adjusted competition timeline.

2019

UNIVERSITY ROVER CHALLENGE

QSET places 2nd in all of Canada.

2018

UNIVERSITY ROVER CHALLENGE

QSET places 2nd in Canada and 12th worldwide out of 95 teams.

SATELLITE DESIGN CHALLENGE

QSET finishes its first 3U CubeSat and completes launch qualifications at the Canadian Space Agency.

5TH MISSION IDEA CONTEST

QSET presents its CubeSat at the 6th annual UNISEC Global Conference at the International Space University as one of two Canadian representatives.

2017

UNIVERSITY ROVER CHALLENGE

QSET maintains its 1st place Canadian standing, placing 6th out of 82 teams.

SATELLITE DESIGN CHALLENGE

QSET begins its first 3U CubeSat – a two year project to build a satellite.

2016

UNIVERSITY ROVER CHALLENGE

QSET becomes the #1 team in Canada and places 2nd in North America, scoring 6th out of 63 teams.

EUROPEAN ROVER CHALLENGE

QSET places 8th out of 22 finalist teams in Poland.

SATELLITE DESIGN CHALLENGE

QSET creates a new design team with the objective to compete at the Canadian Satellite Design Challenge.

2015

UNIVERSITY ROVER CHALLENGE

QSET's new Mars Rover improves its standing, placing 16th out of 44 competing teams.

2014

UNIVERSITY ROVER CHALLENGE

QSET's Mars Rover finishes 13 out of 31 teams at its first competition.

2013

NASA LUNABOTICS

QSET builds a lunar mining rover for the NASA Lunabotics competition.

2012

QUEEN'S SPACE CONFERENCE

QSET starts the Queen's Space Conference – the first undergraduate space conference in Ontario.

2010

INT'L CANSAT COMPETITION

QSET places 2nd for its rocket payload design.

2006

SPACE ELEVATOR COMPETITION

QSET was founded as an undergraduate-run design team.

Why Sponsor QSET?

QSET is seeking financial and in-kind donations, which will aid in meeting design milestones and attending outreach opportunities in the 2021-2022 academic year. QSET provides a unique opportunity for students to work on a highly multidisciplinary project, and promote engineering education through workshops, presentations, and exhibitions. QSET can maintain its competitive standing and community presence through sponsorship and funding opportunities, which help support operations and design goals. We welcome new partners into our network during this exciting time.



Outreach and Presence

Throughout its 16 years of operation, QSET has developed an extensive outreach network which has reached thousands of people from the public to promote STEM education and engineering collaboration in several areas:



LOCALLY IN KINGSTON by participating in community and university-run showcases, and by running workshops with elementary and secondary school students.

NATIONALLY ACROSS CANADA through presentations at conferences and participating in Canadian space institutions.

INTERNATIONALLY REPRESENTING CANADA in events such as UNISEC-Global to share ideas, and through our competitions to display the results of our work achieved through the help of our sponsors.

COVID-19 will change traditional approaches to collaboration and education, from the children we teach to the students on our team.

Sponsorship Breakdown

QSET sponsorship can take several different forms and we have highlighted the most common types of partnerships below. We can provide our sponsors with many opportunities to expand their brand. These include campus brand visibility, as well as access to a diverse pool of talented students and our professional network.

Sponsorship Visibility

Brands can expand their visibility on Queen's campus through placement of their logos on our merchandise. Our logos are put on clothing which are worn at several conferences and competitions throughout the year (visible to 200-1000 students).

Access to Talent Pool

We encourage our sponsors to reach out to our pool of brilliant students and are willing to host workshops where companies can promote their brand interact with these with our team members!

If you are interested in communicating with the talented students on our team, we can provide you with a master list of student contact information. Just reach out to us at qset@engsoc.queensu.ca and we can send you an up-to-date file with the contact information as well as special skills of eager students on QSET.

The Tier structure below outlines the placement of brand logos for each level of sponsorship.

	BRONZE	SILVER	GOLD	PLATINUM
TIERS	<\$100	\$100-499	\$500-999	\$1000+
Team Updates	●	●	●	●
Logo on Website	●	●	●	●
Naming Rights to Products		●	●	●
Logo on Team Uniforms		●	●	●
Logo on Rover and Satellite			●	●
Access to Team CV Book			●	●

Contact Us

To learn more about QSET please visit www.qset.ca or feel free to contact us with any questions or concerns. Thank you for your consideration and we look forward to hearing back from you!



Contact Info

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