

BATH UNIVERSITY ROCKET TEAM



**2020
Sponsorship
Prospectus**



The University of Bath's Rocket Team

The Bath University Rocket Team was created in 2018 after 12 engineers at the University of Bath were tasked with designing and manufacturing a sounding rocket to compete in the Spaceport America Cup in June of 2019, the largest intercollegiate rocket competition in the world. The rocket needs to be able to be launched to an apogee of 10,000 ft (3048 m) while carrying a 4 kg payload. In 2019, a new team was formed with the goal of competing in 2020.

The new rocket will build on last years design by incorporating a deployable payload with its own recovery system. Your support will provide us with the funding necessary to manufacture and test the rocket, allowing us to compete alongside Sheffield University as one of only two UK based teams.



The 2020 Rocket Design

The current rocket, pictured right, is 2.47 m in length and 0.191 m in diameter. The exterior of the rocket consists of four delta-clipped fins which are used to stabilise the rocket in flight. The fins are slotted into the fairing, which has been split into two halves. A Von Kármán ogive design has been chosen for the nosecone. The interior of the rocket has been divided using bulkheads into four main sections: the propulsion bay, the avionics bay, the payload bay, and the recovery bay.

The rocket will use a solid rocket motor as its propulsion system, with a dual stage drogue-main parachute system being used to recover the rocket during its descent. The payload is a 3U CubeSat with its own recovery and avionics system which will be deployed from the rocket during its descent. Various electronics stemming from the avionics bay link the other three systems using electrical cables.



Sponsorship

Bath University Rocket Team receives support from our university, but to create a competitive rocket we will require further backing from sponsors.

Why Sponsor Us?

Brand Promotion

Sponsoring Bath University Rocket Team will give your company the opportunity to have your logo present and visible through on-rocket branding as well as branding on our social media profiles. Also, at the Spaceport America Cup over 2000 passionate, bright and brilliant STEM students will come together in one place, to do one thing: launch rockets. At the competition, our rocket will be presented to other students, as well as industry experts from companies such as Boeing, Blue Origin, and Virgin Galactic. As a result, being present at this event as part of the team's branding will provide excellent exposure for your company.

Association with the University of Bath

The University of Bath is one of the UK's top universities within the field of aerospace and mechanical engineering. Sponsoring Bath University Rocket Team will provide sponsors with the chance to have students participate in research that will bring benefits to you, as well as the rocket.

Students and Alumni

Bath University Rocket Team consists of passionate and motivated individuals who have gained industry experience from their year-long placements. The inclusive nature of the team allows students from all years to be involved in the design and manufacturing of the rocket. By sponsoring us, you will give your company an opportunity to build a rapport with the talented engineers which make up the team, as well as increase your exposure to all engineering students at the University of Bath.



What We Can Offer

Bath University Rocket Team needs your support to design, manufacture, and transport our rocket to take part in the Spaceport America Cup. We are offering a range of benefits to all potential sponsors to encourage you to join us on our journey. Regardless of the size of the donation, all sponsors will be entitled to:

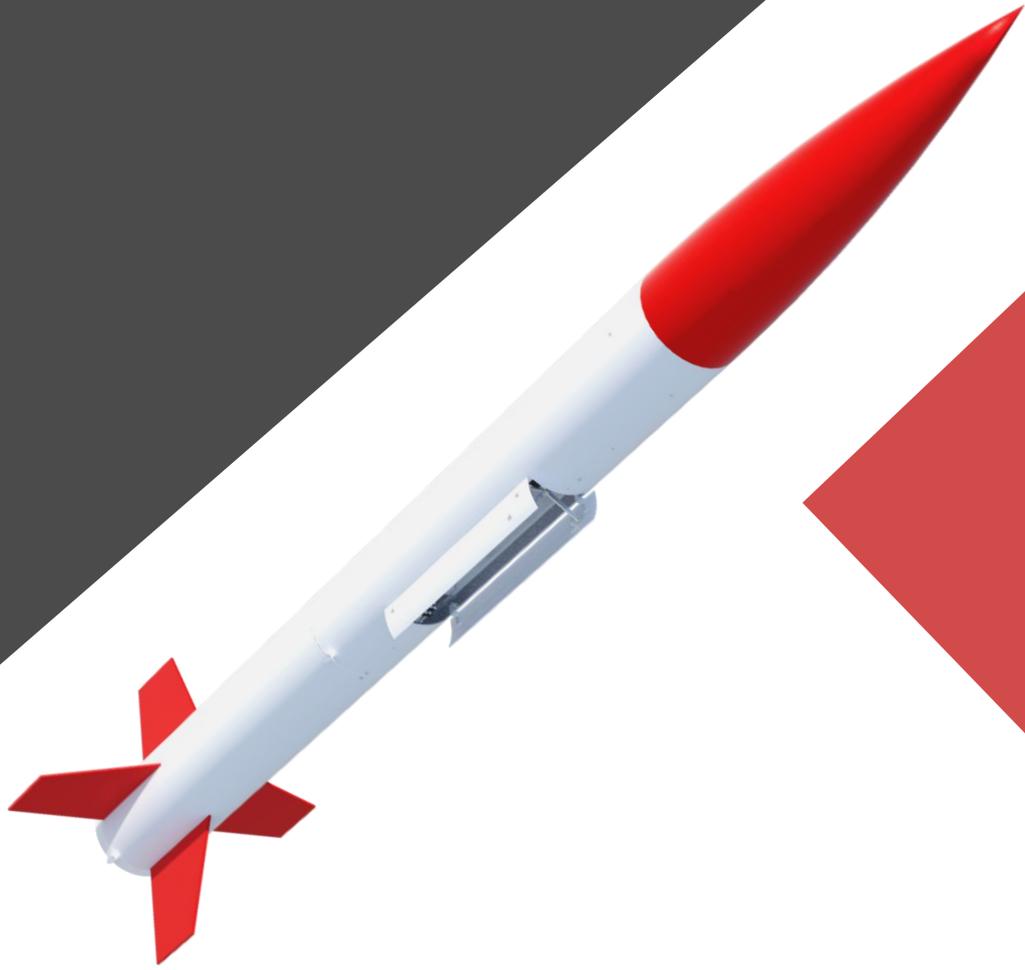
- ▶ Logo on the 2020 rocket
- ▶ Posts to our social media pages
- ▶ Logo and company information on our website
- ▶ Invite to our 2020 launch event

Bath University Rocket Team have introduced a sponsorship level system. Sponsoring us at one level will also entitle you to the benefits of all the lower levels. We would also welcome non-cash donations. We hope to have a special relationship with each of our sponsors and as such, the levels below are a guideline.



Level	Cash Range	Benefits	What your donation can do
Bronze	£0 - < £500	Opportunity to meet with the team.	Purchase and manufacture smaller components, and help fund our outreach programme.
Silver	£500 - < £1000	Logo included in publications and on team clothing.	Help fund the transport of the rocket to New Mexico.
Gold	£1000 - < £2500	<ul style="list-style-type: none">▶ Prominent logos on rocket.▶ Tailored promotion at events and outreach activities.▶ Promotion on University campus.	Help fund the manufacturing of the rocket's subsystems, such as the avionics and recovery systems.
Platinum	£2500 +	Optimal logo positioning on rocket and all promotional material.	Fund the purchase of the propulsion system, consisting of a solid rocket motor.





Thank you for taking the time to read our sponsorship prospectus. We hope you've taken an interest in our team and we would greatly appreciate the opportunity to discuss a potential relationship with you. You can contact us through our social links or by emailing us at brt@bath.ac.uk.

Alternatively, donations can also be made through our crowdfunding page which can be accessed through the following link: <https://spsr.me/iDV6>, or by scanning the QR code pictured right.

We look forward to hearing from you!



Bathrocketteam.com



brt@bath.ac.uk



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