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## Sponsorship Prospectus

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2020/2021

# ABOUT

Cranfield University has remained consistently in the top 50 in QS World University Rankings for the last 7 years in the fields of Mechanical, Aeronautics and Manufacturing Engineering, being the 4th UK University after Oxford, Cambridge, and Imperial College London.

Last year Cranfield received the sixth Queen's Anniversary Prize, which is the highest award in the UK for higher educational institutions. CranSEDS is Cranfield's local chapter of UKSEDS, made up of around 100 enthusiastic students who are dedicated to the development of space technologies. Most of our participants come from the prestigious MSc in Aeronautics and Space Engineering, but we have a number of other members from disciplines such as Robotics, Computational Fluid Dynamics, Thermal power etc. contributing towards a vastly varied and knowledgeable team.

We have a very strong heritage of competing in these sorts of competitions, notably winning the National Rocketry Championship last year and winning the 'Small Sats - The Next Generation' competition in 2017 hosted by SSPI and UKSEDS. We do not plan on slowing down, I feel we can achieve great things in every competition we are entering this year.



## PROJECTS

### INTERNATIONAL COMPETITIONS



**European Rocketry Competition (EuRoC):** Our mission is to launch a rocket carrying a 4kg payload at a precise altitude of 10,000 ft above Portugal before getting safely recovered with a series of parachutes.

### NATIONAL COMPETITION & RESEARCH



**UK National Rocketry Championship:** To design and build a rocket to reach the highest apogee possible using any 29mm Cessaroni 2-grain motor with a required payload.

**Olympus Rover Trials:** To design, construct and operate a rover for a habitat construction mission on Mars to a set of real space mission requirements.

**Satellite Design Competition:** To design, construct and operate a 3U CubeSat payload system with the objective to acquire as much information from an analogue lunar nanosatellite mission.

**Hybrid Motor Test Stand:** To develop Cranfield's existing Hybrid Rocket Engine design and Lay the foundations to create a competitive rocketry team at an international level.

### CONFERENCES & STEM ENGAGEMENT



**UK Space Day Conference:** To organise and deliver 'The Space of Tomorrow: From Vostok to Artemis', where we are trying to get a diverse panel of experts to give talks about their experiences within the space industry, and how they think this has shaped the future of space technology and exploration.

**STEM Engagement:** We are planning on visiting local schools within the Bedfordshire area to raise interest for space through interactive lectures and workshops that enable the children to explore their imagination and create their own rocket models with common home materials, whilst learning something too!

# PACKAGES



| TYPE OF PROJECT                                  | PLATINUM | GOLD  | SILVER | BRONZE |
|--|----------|-------|--------|--------|
| INTERNATIONAL COMPETITION                        | £5000    | £2500 | £1000  | £500   |
| NATIONAL COMPETITION & RESEARCH                  | £3000    | £1500 | £600   | £300   |
| INTERNATIONAL CONFERENCE & LOCAL STEM ENGAGEMENT | £2000    | £1000 | £400   | £200   |

## Platinum:

Gold, plus:

- Prominent logo position on hardware or project publicity
- Invitation to campus

## Gold:

Silver, plus:

- Notable logo position on hardware of project publicity
- Logo on team competition/event merchandising

## Silver:

Bronze, plus:

- Logo on hardware or project publicity
- Logo on website

## Bronze:

- Social media marketing
- Logo on CranSEDS merchandise



## THANK YOU

Being a part of the CranSEDS team branding will provide targeted promotion to an extensive base of young engineers, academics and members of industry at an international level. Cranfield University has a long and proud history in the field of aerospace engineering in the UK and is highly regarded globally within this field.

This makes Cranfield University the UK's top destination for aerospace engineering postgraduate students and the largest provider of accredited aerospace master's degrees. With 200 doctoral students and 400 MSc aerospace postgraduate students drawn from universities around the world.

Your help will be devoted to the continuation of the projects development. We will utilise the resources that you will provide to support; technical knowledge and understanding, vital material acquisition and supply, as well as an added motivation and incentive for the project. Your help will go towards helping these enthusiastic students turn their passion into a reality. Thank you!

