

Students from UTC Cambridge Take on Air Challenge

Students from UTC Cambridge have been challenged to develop and test their own propeller designs as part of this year's Challenge Project. Fifteen Year 12 students at Cambridge University Technical College are embarking on the four-month project with the help of industry experts Sky Revolutions and Hybrid Air Vehicles, and engineers from one of the world's most prestigious aeronautical museums – The Shuttleworth Collection.

The College, located in Cambridge's world renowned Science Hub, provides opportunities for students to engage themselves with leading industry and academic partners through annual vocational projects. The immersive Challenge Project will run alongside the students' other learning to help develop their skills and industry knowledge.

Alistair Easterfield is Director of STEM at UTC Cambridge, he says: "I'm excited to be working with such an experienced professional team again this year and really pleased that Sky Revolutions is able to join us to further develop the project."

Each industry partner will be committing time and expertise to help students develop their skills. Sky Revolutions' Director Ben Gorham is keen to contribute: "Our customers are beginning to benefit enormously from the use of drone technology in surveying so it's great to share that story with students at such a critical time in our industry.

"Businesses like ours will need technically-fluent graduates to help grow the sector, so we're delighted to find that colleges like UTC are on the ball and gearing up the experts of tomorrow."

Students will learn many of the crucial aspects of the aeronautical design industry including the legislation that currently governs drone flight – a hot topic for the industry and for hobby pilots. Projects are expected to be completed towards the end of May.

ENDS.

Notes for Editors

Sky Revolutions Ltd.

Sky Revolutions is one of the UK's most authoritative voices in aerial surveying. The company offers land surveying, aerial surveys, photography, filming and inspection services across the Construction & Mining, Facilities Management, Renewables, and Utilities & Telecoms sectors. With more than 20 years' experience in construction surveying, they are valued for their specialist surveying skills and for their growing reputation as a leading voice in the use of drones for commercial and industrial use.

UTC Cambridge

UTC Cambridge is an academy for young people aged 14-19. A centre of innovation and excellence providing opportunity for young people considering a career in the fields of science and technology. Students join the college to study GCSEs at age 14, or to study A levels or BTEC at age 16. The college offers students a unique opportunity to achieve traditional qualifications while also getting a head start in developing the skills required for exciting and rewarding careers in the twenty-first century.

Hybrid Air Vehicles Ltd.

Hybrid Air Vehicles Ltd. is the world leader in hybrid aircraft and has created and flown the only full-sized prototype, the Airlander 10 – the world's largest aircraft. The revolutionary Airlander combines the best characteristics of lighter-than-air technology, aeroplanes and helicopters to bring brand new efficiency and capabilities to aircraft. Airlander's unique characteristics mean it can remain airborne for days as well as land and take-off from virtually any flat surface – including ice, desert and even water – in a very short distance.

The Shuttleworth Collection

The Shuttleworth Collection is an aeronautical and automotive museum located at the Old Warden in Bedfordshire. It is one of the most prestigious in the world due to the variety of old and well-preserved aircraft. The collection was founded in 1928 by aviator Richard Ormonde Shuttleworth. Restoration and maintenance work is carried out by a staff of full-time and volunteer engineers. The Shuttleworth Collection puts an emphasis on restoring as many aircraft as possible to flying condition and typically puts on 12 air shows a year.

Project Leadership Team

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|--------------------------|---|
| Alistair Easterfield | Director of STEM, UTCC |
| Alex Caley | Project Leader, UTCC |
| Ben Gorham | Director, Sky Revolutions |
| Barry Robertson | Education Officer, Hybrid Air Vehicles |
| Chris Jefferson | Education Officer, Shuttleworth Collection |
| Matthew Studdert-Kennedy | Education, Shuttleworth Veteran Aeroplane Association (SVAS) |
| Ciara Harper | Marketing & Communications manager, The Shuttleworth Collection |

Original Images can be downloaded via:

<https://www.dropbox.com/sh/0fgavrje6w2d6bf/AADqaM0jVVWXDIFWLMocaXGba?dl=0>



UTC Students at Shuttleworth – aerial image ©Sky Revolutions Ltd



UTC Challenge Students with Ben Gorham of Sky Revolutions Ltd

Further Information

[Sky Revolutions](#)

[UTC Cambridge](#)

[Hybrid Air Vehicles](#)

[Shuttleworth Collection](#)

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