

UPHOLDING THE FUTURE OF AEROSPACE ENGINEERING.

Institution of
**MECHANICAL
ENGINEERS**



Improving the world through engineering

CONNECT WITH AMBITIOUS AND ASPIRING YOUNG ENGINEERS

“““

GKN are very proud to have been sponsoring the UAS Challenge for some years now. We find it’s a great opportunity for university students to learn how to bring innovative solutions to real requirements, and in turn we get to engage with these young innovators in a synergistic and thought-provoking way.”

Malcolm Foster
GKN

Grand Champions 2019
Pakistan National University of Science and Technology (NUST) Air Works, Team Beta
Paul Lloyd, Chair of UAS Challenge & Air Commodore



UAS CHALLENGE

The Unmanned Aircraft Systems (UAS) Challenge launched in 2014 and is a leading student competition in the aerospace sector. This is a remarkable opportunity for industry leaders, to join hands with us to support and uphold the future of young, aspiring graduates by enabling them to gain industry experience, practical skills and enhanced business and people skills.

Teams of undergraduate and taught postgraduate students from national and international universities compete in a final three day ‘fly-off’ event in UK, to be judged winner(s) of 11 coveted awards. Competing teams are required to undertake a full design and build cycle of a UAS with specific humanitarian, aid-related mission objectives. The Challenge is set as an academic yearlong project with phased stages of completion that require strict adherence and assessment in order to qualify.

The focus on safety and technical competence throughout the competition is a very high priority and the steering group comprises of expert professionals in aerospace engineering and flight safety, many of whom are senior staff at leading organisations in the aerospace and defence sectors.

Competition Timeline	
Registration	16 September 2019
Welcome Seminar	8 November 2019
PDR	24 January 2020
CDR	13 March 2020
FRR Interview	29 May 2020
Fly Off Event	17-20 June 2020

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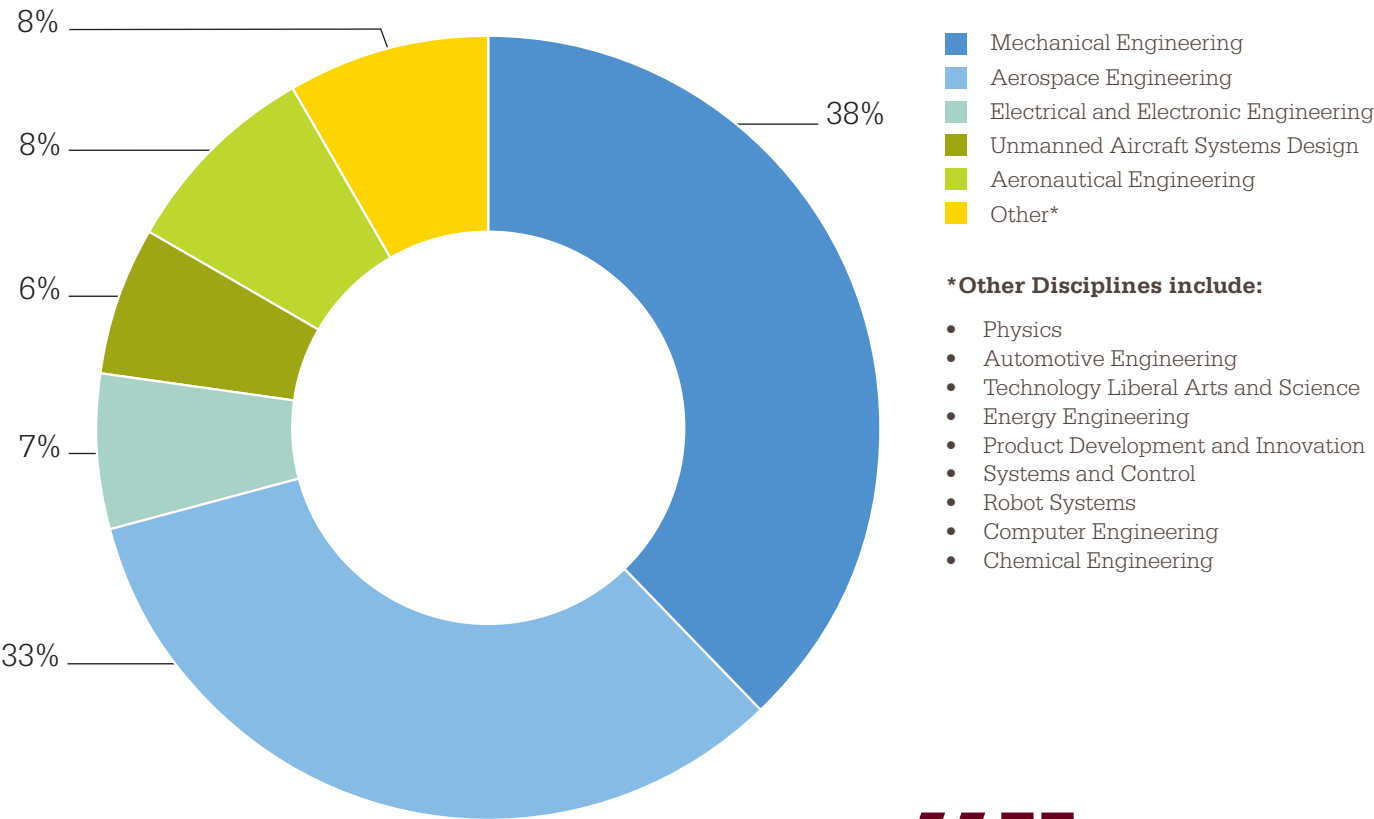
Positive atmosphere, great and friendly organisation. The UAS Challenge was a great learning opportunity in aerospace, drone technology and project management.

Participant 2019

I liked how the UAS Challenge provided the opportunity to produce something close to a commercial level aircraft and have it tested.

Participant 2019

UAS PARTICIPANT PROFILES 2019



The UAS Challenge provides a unique opportunity for us as a sponsor to see how students perform in a multidisciplinary team, dealing with setbacks and developing a product through a design cycle similar to industry practice. Through the Mentor Scheme we are able to develop our own engineers and increase our engagement with students and universities.

Stephen Phillips
Staff Stress Engineer
Bombardier

STEM OUTREACH PROGRAMME



STEM Outreach Programme

The UAS Challenge STEM Outreach Programme was launched in 2018 and has become an integral part of the Challenge.

As part of the STEM Initiative, local schoolchildren from both Primary and Secondary settings are invited to attend the event and get involved with STEM activities. At the event, the schoolchildren have the opportunity to see, view and learn about aircrafts, meet the competing teams, watch the 'fly-off' event, and engage in STEM related activities conducted by IMechE STEM Ambassadors.

The Initiative is closely linked to the IMechE's strategic objective of promoting engineering to the next generation and is used to encourage more young people to choose engineering as a career.

The STEM Outreach Programme encourages teams and our volunteers to interact with the school children and teach them first-hand about engineering and the different routes into a career in engineering. Building on success to date, we will continue to grow and develop the UAS STEM Outreach Programme throughout the upcoming years.



STEM Sponsors:



Previous Sponsors and Partners:



THE LARGEST EUROPEAN STUDENT COMPETITION IN THE AEROSPACE SECTOR

Join us to support the future of young engineers and

BUILD brand-awareness.

ENGAGE with talented undergraduate and graduate engineers.

CONTRIBUTE to your CSR initiatives by inspiring and supporting the next generation of engineers.

DRIVE your STEM engagement to help develop the engineering profession.

SHOWCASE your products and demonstrate your leadership to participating teams, judges, university representatives and spectators at the final event in June.

MENTOR a group of teams to engage early within the process.

Be the driving force behind innovation and engage with

500,000

Social Media
followers

120,000

IMechE Members

400

Attendees

Focussed and engaged enthusiasts,
professionals and participants at
the event.

350

Students

Connect and recruit from a pool of
highly skilled graduates.

50+

Industry

leaders and subject experts.

5

Days

Host winning team at corporate offices.

We will tailor a bespoke package to best suit your specific objectives and budget.

A sample of opportunities that are on offer.

**Sponsorship benefits dependant on level of involvement.*

	Platinum	Gold	Silver	Bronze
Presented as Sponsor of the 2020 UAS Challenge upon launch	✓	✓	✓	✓
Advisory board place	✓			
Sponsor logo on all IMechE marketing collateral	✓	✓	✓	✓
Host 'Welcome Seminar' to all teams	✓	✓		
Social media pre, on-site and post challenge	✓	✓	✓	
Stated as sponsor (appropriate to level) on all 3rd party media coverage across the challenge campaign	✓	✓	✓	
Mentions in pre and post challenge coverage on imeche.org	✓	✓	✓	
Place your ad in the event handbook (appropriate to sponsorship level)	✓	✓	✓	
Dedicated careers page – list your graduate roles	✓	✓	✓	
Drive your STEM engagement and get involved in our STEM Outreach programme with the local schools	✓	✓		
Host social night evening at the final event	✓			
Exclusive opportunity to attend team social evening at the final	✓			
Plenary session at the final (attended by all delegates)	✓			
Keynote speech at the final	✓			
Onsite recruitment workshops (attendees invited to attend)	✓	✓		
Inclusion in the judging panel of the teams business case studies	✓	✓	✓	
Present winning team with a category award and speaking slot	✓	✓		
Exhibition stand at final	✓	✓	✓	✓
Banners displayed in prominent positions at the event (appropriate to sponsorship level)	✓	✓	✓	
Post event solus to participating teams	✓			
Survey opportunities to attendees – add questions pertinent to your industry into the post event survey sent to all delegates	✓	✓		
Mentoring/ buddy programme for teams	✓	✓	✓	✓
Host winning team at corporate office	✓			
Open communication with the teams once every quarter	✓			

Sponsorship in kind welcome, ranging from media to catering, are welcomed.

Hosting the Welcome Seminar 2020

The Welcome Seminar is the first date in the calendar that kickstarts UAS Challenge season and brings together all participating teams, event organisers, judges and industry partners to discuss the project lifecycle.

The welcome seminar will give you an exclusive opportunity to meet all participating teams at the start of the cycle as well as:

- Highlight your brand, products, services and software to teams and industries
- Network with teams, judges, event organisers and other industry partners
- Host your CV & careers workshops; start your recruitment early!
- Learn about challenge key stages and deliverables

Contact us today to find out how you can get involved:

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Join the conversation!
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