

interFACe

The magazine of the Farnborough Aerospace Consortium



In This Issue:

New Member - Rina Consulting

Find out about FAC's newest member

[FAC APP](#)

Coming Soon!

[FAC Events](#)

Register your interest now!

[Member Spotlights](#)

Find out about some of FAC's member



Recently FAC welcomed these new members



[RINA Consulting Defence Ltd](#) (See the RINA Consulting Defence Ltd article on page 7)



[Portsmouth Aviation Ltd](#) (See the Portsmouth Aviation Ltd company article in the [April InterFACe](#))



[Global Shop Solutions](#)
(See the GSS company article in the [April InterFACe](#))



[Adaptix](#) (See the Adaptix company article on page 5 of the [March InterFACe](#))



[KC4Business](#) (See the KC4Business company article in the [March edition](#))



FAC Membership during the Lock Down! With Alan Fisher, the FAC's Membership Advisor



As we slowly clamber out of the pandemic, and if the governments road map works, we can get back to some sort of normal FAC will be reaching out to members and developing real face to face events and not just host webinars which are never as good as real face to face meetings and events. We also plan to attend a few exhibitions over the coming months so if anyone is interested in joining us at Advanced Manufacturing at the NEC in November or Southern Manufacturing at Farnborough in February 2022 then please contact FAC [HERE](#).

We continue to be approached by new members and we are pleased to announce that [RINA Consulting Defence Ltd](#) are our newest recruits, and I am sure you will join me in welcoming them to FAC.

Watch this space as we publish our events roadmap over the coming weeks, these will include a series of "In person" events, including company visits, light touch events, attendance at exhibitions where appropriate and our own annual conference. (Save the Date – 25th November 2021). We always welcome suggestions for these events so if any member has an event they would like to see us deliver please contact the membership team to discuss content.

Once international travel restrictions are lifted, FAC plan to develop several missions to support our members export trade expectations. To deliver these FAC is already talking to the following: international aerospace, space, and defence organisations to organise events/missions and deliver opportunities for our members, the plan is to increase these discussions to other international bodies as FAC goes forward.

FAC hosted another extremely successful webinar entitled "Future Flight - an open opportunity for aviation innovation" presented by Gary Cutts - ISCF Future Flight Challenge Director.

We had over twenty companies in attendance hearing how they can engage in the Future Flight Challenge, one of the UK Government's Industrial Strategy Challenge Fund programmes. The presentation was both insightful and informative and created some lively questioning around how our members can engage in the Third Call which will come out in September 2021.

Finally, the membership team is always here and should you need any support or help in anyway, please do not hesitate to contact us direct.

If you wish to contact Alan Fisher, please email him [HERE](#)

FAC continues to identify topics that that are of interest, but if you have a particular topic you wish to be shared please email kim.yeomans@fac.org.uk

Onwards and Upwards

The **FAC** Team

NEW 2021 FAC App... Coming Soon!

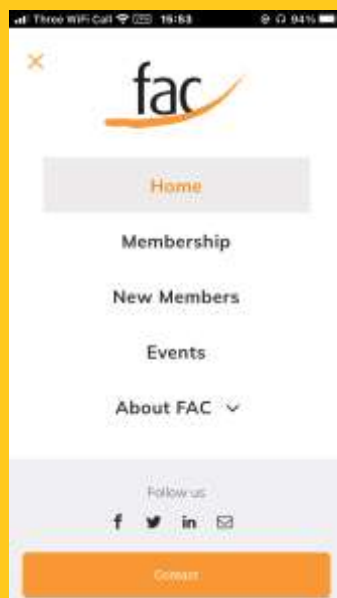
Featuring FAC Member Profiles and their Capabilities

Your business profiling is **key** to enabling FAC's support for you and allowing other members to find you. It is therefore crucial that you use the link **HERE** to update your details and capabilities.

We would like to refresh the membership capabilities to ensure that they are up to date. This will enable other members, customers and suppliers to quickly search for and find you on the system.

If you are an FAC member please click **HERE** to go to the form to update your skills and capabilities – select ONE key capability and multiple capabilities – **then submit to email FAC with the results.**

The new FAC APP will make searching much easier and more direct as we will publish this information to the membership, our partners and other interested agencies.



There are four exciting new sections:

- Membership
- New Members
- Events
- About FAC



MEMBERSHIP

In this new section you can search our membership list to find the profiles of member companies and find out with just the touch of a button what capabilities they have.



EG: Are you interested in finding members who have Electrical capabilities? Just click on the relevant icon or text on the membership page.



This will take you to another page showing all the Electrical and related capabilities.

Click on the capability and it will take you to a list of FAC members and their profiles who have the capability you need. Just choose an FAC member and their profile will be shown in full for you to contact. It's as easy as that!



We would like to refresh the membership capabilities to ensure that they are up to date. This will enable other members, customers and suppliers to quickly search for and find you on the system.

If you are an FAC member please click [here](#) to go to the form to update your skills and capabilities – select ONE key capability and multiple capabilities – then submit to email FAC with the results.

If you are interested in becoming a member of FAC, please email [HERE](#) for more information.

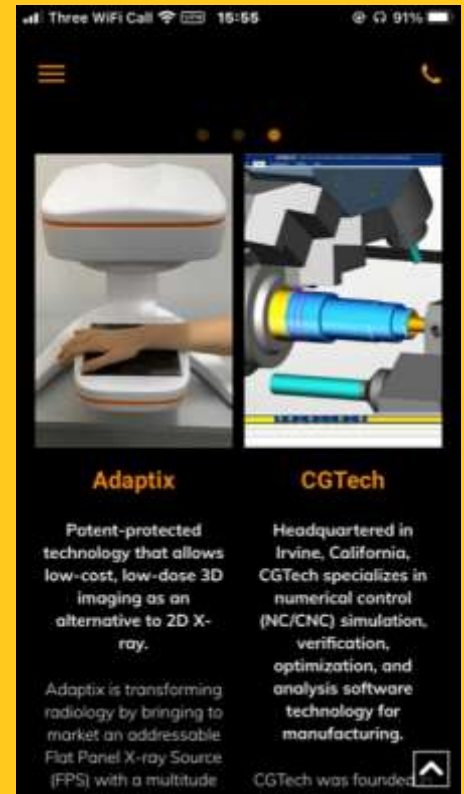
New Members

In this section you will find our newest members listed with information on each company and a link to their profile.



Events

In this section you can find out about all the FAC events. The topic for each event, who is presenting, when they are and how to register.



About FAC

In this section find out about FAC and what we are all about. You can even see our pictures and put a face to the names you might know.

Sub-sections:

- Contact FAC
- FAC News
- FAC App
- Profiling

Please click [HERE](#) for more information





An introduction to RINA

RINA works with organisations for whom safety, reliability and security are critical and where digital technologies underpin innovation and competitiveness. We have put data science at the heart of everything we do, and our data scientists, analysts and digital experts work alongside our traditional engineering consultancy capabilities to ensure that we offer the best possible advice and solutions.

Our customers value the strength and depth of our expertise, covering everything from service design and support, safety, training, and human factors through to cyber, programmable elements, electromagnetic compatibility testing, and legislative compliance, to name but a few.

RINA in the UK has the backing of the global RINA corporation, with over 4,000 talented professionals providing engineering, consultancy, testing, inspection, and certification services across many industrial sectors. With a rich history of working with government defence ministries, space agencies, prime contractors, and non-governmental organisations, our capabilities support programmes across all domains, on a global basis.

RINA in the Aerospace domain

RINA put's decades of aerospace expertise to use engaging with a broad community of operators, project support teams and industry, to address the challenges and issues specific to this sector. Working in civil aerospace, as well as in the military air domain, we provide advice and analysis that assures the safety of equipment, operations, and operatives.

Our team of specialist aerospace engineers and consultants are dedicated to providing an unrivalled service to our customers. We fully recognise that our customers demand high quality, timely, in-budget project execution, and we offer skilled and experienced resources to support through design, development, certification, delivery, and through-life management. We have expertise in the fields of Airworthiness Certification, helping customers meet the requirements of the CAA (Civil) and MAA (Military Aviation Authority), we routinely undertake 4-Part safety case work, and advise in the field of Remotely Piloted Air Systems. Much of our client work is as an independent safety auditor.

How RINA can support your project



Infrastructure Engineering & Design

Our multi-discipline teams assist stakeholders in their strategic planning and development. Our P3M & Management Services division has a core team of high calibre consultants who can deliver management services tailored to suit your needs and we deliver market-leading lifecycle management practices and P3M

management skills developed through a long history of industry and defence projects. We can help you capture workplace data, and we provide manpower intensive businesses with our market leading competence management system, "Competentis".

Security & Safety Engineering

We work across the air, land and maritime domains providing advice and analysis to help ensure our armed forces have an effective capability and provide evidence-based advice that helps decision makers understand and manage the full extent of risk to their operations, equipment, and personnel.

Our experience with complex platforms means we are well placed to provide accurate, independent, and pragmatic advice. Our consultants provide expert advice, authoring safety assessment reports, delivering safety & environmental management training, and undertake Independent safety audits.

Remotely Piloted Air Systems

The rapidly increasing civilian and commercial use of Remotely Piloted Air Systems (RPAS – formerly UAS) leads to constant changes in technology and usage. RINA has expertise with both commercial and military RPAS, and our experience with developers, manufacturers, and operators allows us to undertake analysis pertinent to design, categorisation & certification, and all safety-related aspects of RPAS design and operation. RINA has specific expertise in RPAS certification in the military environment (which until recently led the way for civilian platforms), with a specific focus on software, hardware, and cyber security airworthiness.

Electromagnetic Compatibility



We offer fully mobile testing facilities that can be deployed globally to client sites and are flexible and adaptive to changes in time frames, working with you to provide the best available test solutions and quality of results. We provide aircraft EMC susceptibility testing for a range of EM phenomena, including High Integrity Radiated Field (HIRF) testing and testing of PEDs & TPEDs. Using software-controlled test equipment allows us to provide real-time data analysis and minimise the test duration. Our latest optic fibre technology minimises interference.

Training & Learning Solutions

We provide a training consultancy service that specialises in the rigorous analysis of organisational training requirements and the development of bespoke training solutions in safety-critical environments. Through custom-built courseware, eLearning, mobile and web apps, we deliver high impact and engaging learning programs that meet the requirements of your learners, and we work with you to deliver blended, innovative solutions. We can provide your clients with assistance in the areas of training analysis design delivery & evaluation, training needs analysis, learning & development training, and we offer a human social science research capability. RINA is engaged in work with the Educational Training Foundation, and we offer digital learning platforms.

Asset Management

Having worked extensively with aircraft operators, designers, manufacturers, and equipment suppliers, our experts are acutely aware of the criticality associated with all aerospace projects. Our approach draws together engineers from a wide range of backgrounds and aircraft experience, from commercial airliners to military helicopters and fast jets. Our engineering and testing services offer peace of mind, from conception, through in-service life, to and including, disposal. We routinely help our clients meet asset management standards. Our consultants can advise on meeting legislative regulatory compliance requirements. We help our customers with maintenance accreditation, reliability availability maintainability and all aspects of through-life support.

Environmental Engineering & Sustainability

RINA can help you understand the real environmental impacts of your project and provide you with innovative and sustainable solutions to reduce environmental impacts and deliver sustainable growth. Environmental impact assessments, sustainability consulting, energy strategy and carbon management enable us to help you shape solutions that meet your operational objectives, while minimising impact on surrounding environs. Our consultants are ready to help you meet your environmental compliance needs and guide you through environmental certification.

[Learn more](#) about how RINA can take your project to the next level, or [get in touch](#) with our team.



RINA is an Armed Forces Covenant signatory and ERS Silver Award company.

Southern Filters Ltd

Celebrating a milestone that is 21 years in business!

Southern Filters Limited is celebrating a significant milestone this year; its 21st birthday! The paint shop consumables company, now owned by Becky Turner, was established in July 2000 and now sells over 10 million products.

It all started in a single garage in Curry Rivel, a small village in Somerset.

Company founder Andrew Turner noticed that many manufacturers were unable/unwilling to deal directly with end users and therefore a single order would sometimes go through chains of up to 5 or 6 different companies. He felt this was unfair, especially on the smaller companies as they ended up paying a premium price.

In 2002 the Turner family relocated to Uplyme, a small village on the Devon/Dorset boarder. Here is where Southern Filters began to go from strength to strength and later moved to Hunthay Business Park, on the outskirts of Axminster, where they still are today. From starting in a green storage container to now being in a custom-made unit which is the biggest on site.

Over the years Southern Filters has supplied products into some well-known companies such as British Airways, Virgin Atlantic, Princess Yachts, Sunseeker international, McLaren and in 2012 secured a 12 year contract supplying the MOD with consumables into the RAF. This being the RAF's one stop consumable shop for all their MRO facilities around the UK and the world.

In 2008 Southern Filters opened an office in Dubai and was the 1st British company to sign up a working agreement with Mubadala in the UAE.

Andy's daughter Becky joined the team in September 2009 to become the company accountant and bookkeeper after leaving school. Unfortunately, in April 2010 both Andy and Becky were involved in a horrendous car accident, where their stationary car was hit from behind by a vehicle travelling at 70mph. Unfortunately, this meant Andy had to take a slight step back from the company to focus on his health.





Since the launch of Southern Filters in 2000, they have gone from supplying only a handful of niche products to now selling over 10 million consumable items. Ranging from a whole multitude of abrasives, Spraybooth filters and spraying equipment, masking tape and paper, PPE and tooling, to huge extraction machines - their core focus still being around Dust free sanding.

Not only are Southern Filters celebrating its 21st Birthday this year, in February 2021 Becky purchased the business from Andy. She looks forward to continuing to follow in her father's footsteps and hopes with her determination and knowledge she will be able to expand the business further.

Andy is very proud of what his daughter has already achieved to date and looks forward to watching the company grow from his deckchair.

Southern Filters

Unit 16 Hunthay Business Park, Axminster, Devon, EX13 5RJ
01297 33860 www.southernfilters.com sales@southernfilters.com



FIGHT OR FLIGHT Webinars 2021

Here at FAC we have tried to support as many companies as we possibly could during this COVID-19 period and one of the ways we supported was by conducting webinars and making them free for all companies in our sector to attend. We feel that now is the right time to start to levy a small charge to those companies that are not members of the FAC. We aim to continue making these **free to members**.

Kim Yeomans
Operations Manager

To register your interest in these FAC events please email [HERE](#)

DATE	TIME	FIGHT OR FLIGHT TITLE	PRESENTER
21.7.21	2pm to 3pm	The Ohio Aerospace Institute and FAC Unite to Discuss Aerospace Updates	The Ohio Aerospace Institute and FAC
27.7.21 and 3.8.21	12 noon	Business Survival after lockdown – 2 parts	360 Business Law
29.7.21	11am	UK Reach Risk and Future Reach	Terry Rees-Pedlar (ADS)
10 th August 2021	10am to 11am	Cyber Security	Rina Consulting
TBD	TBD	Farnborough College of Technology - ARIC	FCoT
TBD	TBD	UK Space Strategy	TBD
TBD	TBD	Net Zero Manufacturing Headline case for Action	TBD

Webinars held in 2020

The majority of this year's webinars have been recorded. To watch again, click [HERE](#) (scroll to the Webinars 2020 – Watch again section).





Programmable Elements and Cyber Security Certification for Remotely Piloted Air Systems

**PROGRAMMABLE ELEMENTS AND CYBER SECURITY
CERTIFICATION FOR REMOTELY PILOTED AIR SYSTEMS.**

RINA

**TUESDAY 10TH AUGUST 2021
AT 10AM TO 11AM**

**FROM DANIEL LOCKE,
PRINCIPAL
CYBER SOFTWARE
CONSULTANT
FOR RINA
SPACE & DEFENCE UK**

**TO REGISTER YOUR INTEREST EMAIL
RACHEL.ABETHELL@FAC.ORG.UK**

THIS WEBINAR IS FREE TO ALL FAC MEMBERS A CHARGE OF £25 (+VAT) WILL BE MADE TO NON-MEMBERS*
*(IF YOU JOIN WITHIN 4 WEEKS OF PAYMENT FOR THE WEBINAR THIS AMOUNT WILL BE DEDUCTED FROM YOUR MEMBERSHIP FEE)

**Tuesday
10th August
2021 from
10am to
11am**

The first pilotless aircraft was built during World War 1, since then technology advancements, aligning with Moore's Law, have provisioned for a significant increase in the use of Remotely Piloted Air Systems, whether it be for civilian, military or even personal use. Given the popularity of RPAS technology, we at RINA thought that it would be useful to share with you our experiences in RPAS Certification, highlighting the Certification requirements in the military environment, which until recently has lead the way for civilian platforms, with a specific focus on Software, Hardware and Cyber Security Airworthiness.

Presented by Daniel Locke who is currently the Principal Cyber Software Consultant for RINA Space & Defence UK. Previous experience includes working for Defence Science Technology Laboratory (Dstl), Defence Equipment & Support (DE&S) and most recently for the Defence Safety Agency (DSA) as the Head of Branch for Cyber Security and Programmable Elements (PE) within the Military Aviation Authority (MAA). The management, leadership and support that Daniel provided in his previous roles, led to a commendation from the Director of Combat Air, Air Vice Marshal Keith Bethell.

From a qualification perspective, Daniel was under scholarship at Cardiff University whilst he read for a degree in Computer Science with Honours and has completed a part time Master of Science in Software and Systems Security at Oxford University. He is also a registered Fellow and Chartered Engineer with the British Computer Society. Daniel, in his limited spare time, provides software SQEP mentorship, is a point of contact for RTCA DO-178 and RTCA DO-254 courses and presents nationally as a software STEM ambassador.

Ultimately, Daniel's passion is technology, from Cyber Security to Software and Hardware Safety. With this passion he hopes to build a greater understanding of PE and most importantly, his aim is to improve acquisition management and support approaches for Safety critical PE in the future.

This webinar is FREE to all FAC Members. A charge of £25 (+VAT) will be made to non-members* *(if you join within 4 weeks of payment for the webinar this amount will be deducted from your membership fee)

To register your interest email rachel.abethell@fac.org.uk

Non fac EVENTS

South East Aerospace

The next edition of Advanced Engineering, the UK's largest gathering of engineering professionals, will take place on 3 & 4 November 2021

ADVANCED ENGINEERING 2021

The UK's leading annual gathering of OEMs and engineering supply chain professionals

3 & 4 November 2021 | NEC, Birmingham

Visit the future now: new technologies for supply chain continuity and manufacturing competitiveness

Join us in our 12th and most important edition to date, as we invite engineers and management from all advanced manufacturing sectors to network and source innovative new solutions from the engineering supply chains in R&D, design, test & measurement, advanced materials, manufacturing, and production.

As the UK's only event truly able to introduce suppliers and buyers to opportunities in familiar and new sectors, Advanced Engineering provides networking and new business for professionals from OEMs, and all tiers of the supply chain

Would you like to exhibit with FAC at this show?
Please click [HERE](#) to register your interest in exhibiting with FAC

See more details [HERE](#)

Space-Comm Expo 2021 At the Farnborough International Exhibition & Conference Centre on 7-8 July 2021

Space-Comm Expo is a new trade exhibition focused on the commercialisation of space for business, defence, and aerospace. This exciting new event will showcase all of the latest developments, products, services, and solutions from across the industry. Explore, debate and network with industry leaders from across the Space sector at this unmissable new showcase.



FAC has negotiated a discounted rate for members to take part in the inaugural Space-Comm Expo Meet the Buyer. **The non-exhibitor rate is £500+VAT but FAC members get this for £300 +VAT. Contact Gen Richards at Farnborough International today for your exclusive discount code on gen.richards@farnborough.com and quote "FAC-discount" in the email.**



B2B meetings for the aerospace supply chain

Explore business opportunities with your fellow MAA members and guests

8 Jul 2021 All day

A virtual industry showcase - a chance to find and strengthen new business relationships

What is it?

A supply chain in a virtual room!

Pre-arranged meetings with potential customers: the MAA team will be matching buyers and sellers.

Especially for two categories of MAA members:

- lower tiers of our supply chains, smaller companies (in the flying parts/ finished components supply chains)
- suppliers of "non-flying" equipment and specialist services ranging from tooling to testing and from quality management specialists to marketing consultants (sometimes considered "indirect procurement")

Sellers will get at least 6 quality meetings!

When is it?

8 July 2021, all day -- you'll have a series of pre-arranged meetings during the day

Where is it?

It's a virtual meeting

It's the perfect time for everyone to explore the expert support available from fellow MAA members in our region, and our guests

Who are you going to meet?

STOP PRESS! First four buyers announced – Bromford Industries, Gardner Aerospace, Mettis Group & Rolls-Royce, plus more to come.

What we need you to do now . . .

Book your place. We have limited places available for this first virtual B2B meeting!

For details on how the day will be organised, we'll be holding briefing meetings two weeks beforehand. Come along to a briefing meeting to learn from our experts how you can best present your company and get the most out of a B2B virtual meeting

Event prices

MAA member organisation £750

Guests: member partner aero organisation (ADS, Aerospace Wales, FAC, NWAA, WEAFF)
£1,000

Guests: Non-member organisation £1,250

Click [HERE](#) for all the information.



July 13th-15th, 2021 (Virtual event)

Farnborough International confirms that FIA Connect, the world's only major digital trade event for the aerospace and defence industries, will take place from 13th to 15th July, 2021.



This free to attend online event marks the second in a series developed to bridge the gap between biennial Farnborough International Airshows – the next of which is confirmed for July 2022.

Click [HERE](#) for more information



Global Urban Air Summit

On 7-8 September 2021, the Global Urban & Advanced Air Summit (GUAAS) will take off at Farnborough International Exhibition and Conference Centre.



It is the only event in the UK for the industry to demonstrate interactive equipment. GUAAS will once again deliver a world-leading industry platform, packed with high quality relevant content, speakers and key OEM brands. GUAAS is an opportunity to discover the latest technology, challenges, and innovation that will bring next-generation flight to life. For 2021, the Summit is expanding its focus to highlight the application of Advanced Air Mobility (AAM) in Rural, Regional and Urban centres, with a range of show features to showcase the developments, challenges and innovations shaping the future of flight.

Click [HERE](#) to register your interest



Southern Manufacturing and Electronics exhibition 6th and 7th October 2021

Following consultation with Farnborough International Exhibition & Conference centre and their welcomed assistance and understanding, we are pleased to announce that the Southern Manufacturing and Electronics exhibition is now rescheduled to take place as a two day autumn special on 6th and 7th October 2021 and will return to its usual position in the calendar in 2022 on 8th, 9th, and 10th February.

We believe this decision will enable the market as a whole to benefit under more favourable economic and social circumstances

For ALL the information click [HERE](#)

Roadmap 2030: Shaping UK-India trade & defining our strategic partnership

NEW Date: Tuesday 6 July 2021

NEW Time: 11am-noon BST

To register click [HERE](#)



The UK and India have long had a special relationship, with 1.5 million Britons of Indian origin living in the UK and India being our second largest foreign investor.

But as post-Brexit Britain embarks on an exciting era of trade deals, a new partnership between the UK and India will be key for both countries.

The UK Government recently published its 2030 vision for a revitalised and dynamic UK-India connection. The goal: Elevating the India-UK relationship to a Comprehensive Strategic Partnership.

Cavendish Advocacy are delighted to host a UK-India trade webinar on Tuesday 6 July from 11 am-noon BST, which will explore Roadmap 2030 and delve into the progress made so far, and the and challenges, obstacles and opportunities for British and Indian industry.

We're excited to announce that Darya Galperina, Head of International Trade at Pernod Ricard is also able to join the panel lineup.

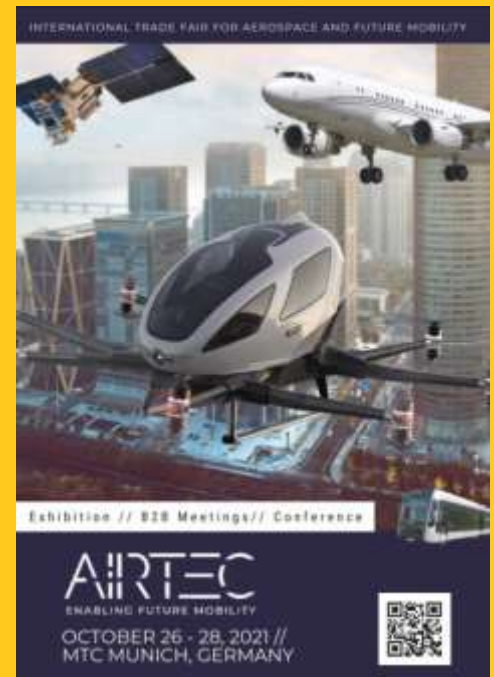
If you are unable to join us, please feel free to register as we will share the recording after the webinar.



Airtec 21 - Enabling Future Mobility

**26th - 28th October 21
MTC Munich Germany**

FAC is keen to understand the levels of interest amongst our members so if you are interested in this event please contact **FAC [HERE](#)**



For more information click [HERE](#)



New Dates: 14 – 16 September 2021 – NEC, Birmingham
The UK's Premier subcontract manufacturing supply chain show.

Subcon is the must-attend event for subcontract manufacturing professionals across all industry sectors, looking to source suppliers, benchmark capabilities and secure the right partners to help them remain competitive in a global market. Register your interest [HERE](#)



UKRI's net zero webinar series

UKRI has announced a webinar series focused on how innovation, collaboration and engagement will come together to help the UK reach net zero by 2050. Click [HERE](#) for all the information



MRO EUROPE 2021 OCTOBER 19-21, 2021 RAI AMSTERDAM HALLS 1&5. [MRO EUROPE](#) is back. The 22nd edition will open its doors in Amsterdam so that Europe's aviation MRO community can meet **face-to-face** for the first time in 2 years. Click [HERE](#) for all

the information



Airlines 2021: Rebuilding the UK's role in global aviation. Join us on Monday 22 November 2021 in central London. Airlines 2021 will bring together leading industry and government figures to address the extreme issues, challenges and solutions for the airline sector in a Covid-impacted world. Click [HERE](#) to book your place.



MEMBER SPOTLIGHT



Navigating New Landscapes: Mitigating Risk in a post-Brexit World

- Four million component parts.
- 200 Tier 1 Immediate Suppliers.

These are the complexities that underpin the assembly, test and regular use of an Airbus A380. It's no mean feat, but one that is made possible through a series of pre-agreed contracts with key partners at every step of the process.

From the long list of companies involved in the manufacturing of aircraft to the provision of non-flying products that make air travel possible, the success of the aerospace industry hinges entirely on seamless supply chains and frictionless trade.

It's one of the most complex and far-reaching infrastructures, one that is so vital to the UK economy and yet one that was largely invisible until the threat of a "No-Deal Brexit" cast its spotlight on the multitude of moving parts that make up a fully functioning aviation sector.

Taken as a bloc, the EU is the UK's largest trading partner, accounting for 46 per cent of UK goods exports and 53 per cent of UK goods imports. In the aerospace sector, goods regularly criss-cross the borders of EU countries as well as the UK a number of times as they ship from factory to factory before being assembled into final products.

Given the importance of integrated supply chains and distribution across Europe, Brexit was a geopolitical spanner in the works that put pressure on players across the aerospace industry to adapt to new policies with little time to prepare. Whether due to the fallout of Brexit or the implications of the COVID-19 pandemic, the cracks began to show.

While larger manufacturers were able to build stocks and put in place the contingency plans for post-Brexit disruption, many small and medium sized businesses have suffered through quality problems, logistics disruptions, workforce shortages and working capital issues born from geopolitical turbulence and the shockwaves of the global pandemic.

Thankfully, a trade deal with the EU was reached in 2020, providing businesses with guidance on trade and cooperation between both nations. Now, as we move towards economic recovery, clarity is needed to ensure key players across the industry can thrive in the current climate.

What's changed since Brexit?

Fortunately, the cliff-edge "No Deal Brexit" that many feared would shatter supply chains was averted thanks to the UK and EU's Trade and Cooperation Agreement (TCA), which preserves basic connectivity for air transportation services between the UK and the EU.

Within the TCA is the confirmation that UK aviation is no longer bound by the rules set out by the European Aviation Safety Agency (EASA). This includes everything from traffic rights to safety associations, certification of aircraft and aircraft parties, among licenses of the crew.

With the UK now out of the EU and considered a third country, the Civil Aviation Authority (CAA) has taken on former EASA responsibilities, including certification of aircraft design and production. Moving forward, both nations will work together through cooperation and information sharing to ensure both EU and UK traders can comply with the other party's rules.

Complying with the TCA Rules of Origin

The new trade deal with the EU has been welcomed by manufacturers as it avoids tariffs and quotas subject to compliance with Rules of Origin. For reference, the rules of origin are set out in the TCA and determine the origin of goods based on where the products or materials used in their production come from. The rules ensure that preferential tariffs are only given to goods that originate in the UK or EU and not from third countries.

This sounds straightforward enough, but ensuring compliance requires complete clarity on the requirements set out in the regulations. Realistically, products manufactured using components from outside of the UK/EU, may well end up falling outside of the no-tariff rules. If you are claiming relief on goods imported from the UK, putting in place the frameworks to obtain statements of origin from suppliers and is crucial as the goods must be of the UK origin and not just shipped from the UK.

Equally, if you are supplying into the UK and anticipate your customers claiming origin on your supplies, understanding your legal obligations with regard to providing valid statements of origin to your customers is of paramount importance. In simple terms, any relief claimed must have the supporting documentation to back it up should it be investigated.

The deal does offer some flexibility on Rules of Origin – at least, for now. Self-certification on Rules of Origin and a 12-month grace period (since January 2021) has given firms some reprieve. However, evidence of origin for future exports will need to be gathered and legal advice sought early to ensure compliance with the rules moving forward.

Building resilient supply chains for the future

Six months on since the TCA was signed, businesses within and working alongside the aviation sector should take time to assess how efficiently supply chains are working and whether or not they are delivering value.

Transporting goods to the EU via the GB land bridge allowed for reduced delivery times, but due to the influx of checks on the bridge and the risk of delays at customs border posts, many organisations have rerouted their supply chain to direct between Ireland and the EU, at the cost of increased transport charges.

As we navigate the post-Brexit landscape and move towards the re-opening of the British economy, UK based manufacturers will need to be crystal clear about their supply chains, as the onus will fall on individual businesses to demonstrate that their goods meet the rules of

origin. For both export and import, a statement of origin with supporting documentation will need to be provided.

Reviewing existing contracts and performing due diligence on the financial health of suppliers will also be essential in getting a full picture of risk within the supply chain. Armed with this information, leaders can begin to develop strategies to strengthen their supply chains, come what may.

For some firms, the new Rules of Origin may prompt the need to start sourcing UK or EU-based companies for components to allow final goods to be exported without tariffs. The good news on that front is that the UK's manufacturing and engineering sector is brimming with companies who are capable of supplying these components. In that sense, Brexit has inadvertently provided an opportunity for the country's manufacturing sector to be more resilient and self-sufficient in the face of future hurdles.

Partnering with experts to minimise supply chain risk

Since Britain's departure from the EU, it has become increasingly apparent that the teething pains of the transition will continue to come in the form a series of smaller obstacles as opposed to one major cataclysm. However, when coupled with the sudden restrictions of 2020 that plunged the aviation sector into crisis, the procurement issues faced by the industry has been amplified on an unprecedented scale.

With the industry in a state of flux, securing strong partnerships and reducing supply chain risk is more important than ever. Those who emerge from these challenging times victorious will be the firms who put in place the frameworks to manage risk and respond to emerging trends with agility.

Operationally, end-to-end visibility is the benchmark in supply chain management; understanding what your suppliers are doing and whether they are delivering value is the gold standard – but what does that mean in practice? Fit-for-purpose supply chain contracts are critical, as is a robust compliance program that identifies various sourcing and supply chain risks before they evolve into damaging delays or even disputes.

With a global presence that spans across 65 countries, 360 Business Law is a leader in commercial law, connecting companies to highly qualified solicitors, attorneys and barristers in all of the major financial centres of the world.

We have deep sector experience with all manner of commercial contracts including licenses, non-disclosure agreements and outsourcing agreements, and offer supply chain clients access to pragmatic advice and industry perspective from across all points of the globe. By delivering a robust post-Brexit compliance programme that addresses supply chain risks, we can help your business to rebound and build back better.

For the 360 Business Law website click [HERE](#)



MEMBER SPOTLIGHT



Collins Aerospace

Collins Aerospace, a unit of Raytheon Technologies Corp. (NYSE: RTX), is a leader in technologically advanced and intelligent solutions that help to redefine the global aerospace and defense industry.



MECHANICAL SYSTEMS

Our solutions for commercial, business and military aircraft, and other airborne and space-based applications – as well as the battlespace across air, land, and sea – make the skies and the spaces we touch smarter, safer and more amazing than ever.

Created in 2018 by bringing together UTC Aerospace Systems and Rockwell Collins, Collins Aerospace has the capabilities, comprehensive portfolio and expertise to solve customers' toughest challenges and to meet the demands of a rapidly evolving global market. Our customers include original equipment manufacturers that build aircraft, engine manufacturers, airlines, airports and business aviation owners and operators, along with as defense ministries and government agencies and contractors.

Today, we hold key positions – avionics to landing gear, nacelles to cabin seating, fuel systems to connectivity and much more – on nearly every aircraft flying today and substantial content on various UAVs, satellites and ground and maritime vehicles.

About 60 million messages travel across our secure global air and ground network every day, enhancing communication, efficiency and safety for airlines, pilots, flight crew and more. Our communications systems transmit nearly 70 percent of U.S. and allied military airborne communication.



AEROSTRUCTURES



INTERIORS

And our pioneering innovations – from space suits to GPS, Wi-fi to synthetic vision, propellers to propulsion – have helped define our industry and the greater world for generations.

Collins employs more than 68,000 people in nearly 300 locations worldwide, and generates annual sales of ~ \$19 billion (2020 pro-forma).

In the United Kingdom, Collins Aerospace has had a presence for more than 100 years and has 4,500 employees across more than 17 locations in the region. We design, develop, manufacture and support a comprehensive range of solutions for ministries of defense, integrators, aircraft manufacturers, airlines, business-jet operators and many other customers worldwide. We help make military missions more effective, pilots more aware and flights safer and more enjoyable.



MISSION SYSTEMS

We work in partnership with British companies to deliver the right solutions in a number of areas, including: Aerostructure, Avionics, Seats and galleys, Actuation systems, Simulation and training, Sensors, Communication and targeting systems, Wheels and brakes, Engine components, Connectivity, Network-enabled and communication infrastructures, Intelligence, surveillance and reconnaissance (ISR), Composite materials.



POWER & CONTROLS

We are strongly committed to investing in the UK, where Collins Aerospace provides a workforce that adds value to the UK economy and supports the extended supply chain. We create our own intellectual property and contribute to the exportation of aerospace and defense products and systems outside Europe.

Through our collaboration with the European aerospace and defense industrial base, including small and medium-sized enterprises and mid-caps, Collins Aerospace in the UK brings affordable and disruptive technologies and capabilities to the collective development, competitiveness and security interests of Europe.

World-class facilities combine with a dedicated and talented workforce from across the UK to create a single-minded commitment: redefining aerospace in ways that expand what our customers can achieve.

Contact Collins Aerospace [HERE](#)

Click [HERE](#) for the Collins Aerospace website

Click [HERE](#) for the Collins Aerospace (UK) website

Please contact Sean Camilleri (Regional POC) [HERE](#)



AVIONICS



MEMBER SPOTLIGHT



Farnborough College
of Technology

At Farnborough College of Technology, we are known for our work-focused qualifications, dynamic training facilities, and industry-experienced teachers. We offer a range of courses for both School Leavers and Adults. **We're Ofsted Outstanding**

Our two modern campuses feature many industry-standard facilities, which reflect the workplace environment to provide students with hands-on skills and experience. Find out more about our campuses [here](#).

Farnborough College of Technology's proud history goes right back to the beginning of the last century and the days of the Royal Aircraft Factory. We have adapted and changed to meet the needs of our community, providing courses from Level 1 to Post Graduate Level. At the college we help people of all ages and levels develop and realise their aspirations. Click [HERE](#) for the full College history

University Centre Farnborough

Based at Farnborough College of Technology, University Centre Farnborough offers a range of higher education courses and degrees awarded by the prestigious University of Surrey.

T Levels

We were one of the first colleges selected to launch T Levels in September 2020. T Levels are two-year technical programmes designed with employers to give young people the skills that industry needs. You can find out more information regarding T levels [here](#).

Apprenticeships

Our Apprenticeships are managed by our dedicated Business Services Team, who have worked with over 6,000 employers. The team can offer a variety of services to the business community, including advice on how apprenticeships can help to develop staff and assistance with the placement and monitoring of apprentices.

Industry Links

We work with a range of employers to provide valuable experiences to help your employability

Aerospace Research & Innovation Centre

RESEARCH – COLLABORATE – CREATE

From knowledge transfer to business start-up support, ARIC is set to become an iconic aerospace gateway, embodying Farnborough's aviation history.



What is ARIC?

The Aerospace Research & Innovation Centre (ARIC) is set to be a dedicated aerospace education training and innovation facility. It is co-funded and supported by Enterprise M3 LEP.



The development, based at Farnborough College of Technology, will be for current and future aerospace engineers, to support new companies and established business, all while helping them research and innovate within our already impressive facilities.

The project will provide globally competitive training, research, and innovation facilities to radically expand and improve the capacity and capability to meet medium- and long-term industry education and skills demand. The research centre will also provide students with an opportunity to collaborate even more with local employers, with greater prospects for experience and career progression.

Mapping the needs of Key Engineering and Technology Sectors

With a focus on what industry needs, our facilities are purpose-built to train future generations of aerospace engineers and professionals. We have mapped out the needs of key engineering technology and sectors to give a clear picture of the support and training we can provide.

Research and Knowledge Transfer

Our connections with higher education institutions and businesses enable us to help businesses innovate and grow. The benefits of this include:

- Sharing new technical and business skills within your company
- Stimulate and enhance business-relevant research and teaching
- Provide industry-based training for recent graduates to enhance their specialist and business skills

Possibilities for collaboration at ARIC include businesses working with graduates and students to support research projects, businesses working together on joint ventures in a shared space and taking part in joint training sessions to innovate – whether it is theoretical or practical based.

- **Incubation Hub for Start-ups**

We can support you with incubation and business support – ideal for the growth of start-up and early-stage businesses.

- **Innovation in Machining and Manufacturing**

As a technical innovation hub, ARIC has been shaped by businesses that seek to innovate and develop their machining and manufacturing processes.

- **Training**

Based alongside Farnborough College of Technology and University Centre Farnborough, ARIC is ideally placed as a centre for teaching and training. Modern teaching spaces, a range of technical facilities, and in-house support make us a natural choice for businesses with short or long term training needs.

- **We Welcome Organisations Large and Small**

- **Steering group**

A number of key stakeholders have driven the strategic vision for ARIC, ensuring it meets the needs of local, regional, and international businesses.

- **Location**

The Aerospace Research and Innovation Centre is based at Farnborough College of Technology. ARIC is located on a site with access to various facilities. Businesses stand to benefit from meeting spaces, studios, library, creative workshops, catering facilities and many others.

Excellent rail, road and air links make Farnborough a natural choice for businesses seeking a technical hub for their research that is both forward-thinking and surrounded in engineering heritage.

Get in touch

If your organisation could benefit from the ARIC's facilities, please email aric@farn-ct.ac.uk to begin a conversation with us about potential collaboration.

Employers – how can we help your business?

Employers

There are a number of ways employers can benefit from working with the College and its students, from apprenticeships and traineeships, to career talks and events. See how your business can get involved below.

Contact the Business Services Team

Employer Hotline: 01252 407299

Email: business@farn-ct.ac.uk

For all the FCoT contact details please click [HERE](#)

For the FCoT website click [HERE](#)



**Farnborough College
of Technology**



Kwikbolt are the world leader in fully flush and ultra low profile, automation compatible, single sided temporary fasteners. Our award-winning technology has benefitted many projects around the world and the patents that protect our designs ensure you are getting something truly unique. All our product range has been developed to reduce labour activity, improve the quality of the assembly, and drive down overall project costs.

News from Kwikbolt

At Kwikbolt we understand the complexities of selecting the right technology for your platform, from the aerospace temporary fastener head interface to the tooling and adapters that are required to drive them. During the project management phase, we will provide suggestions and guidance to help you specify the best options for your project, we are not tied to a specific installation methodology and can mirror the interface that you currently operate, or create something bespoke, this is your chance to have it as you wish, not as it comes. Kwikbolt offers many improvements over the traditional offerings and once the finer details of the technology have been agreed, we suggest you purchase a trial batch so you can experience the quality of our product, we will loan you the tooling for the trial for free. Kwikbolt temporary fasteners are manufactured to your exact requirements, resulting in optimum performance, reduced labour activity and a higher quality assembly. Contact Kwikbolt today for a fresh approach to your fastening requirements.

Kwikbolt | Hurricane

Our Kwikbolt | Hurricane fastener is focused on high load, larger hole size applications and features a fully flush or ultra low profile head configuration resulting in little or no protrusion from the top side of the application. The Hurricane uses an expanding petal design to enlarge on the blind size of a structure and pull back on itself to provide clamping. As the petal moves through a ground cylinder our Kwikbolt Hurricane keeps holes true and provides a high clamp and shear performance. Contact us today to learn more about our high-performance range of technology.

Contact Kwikbolt [HERE](#)

Click [HERE](#) for the Kwikbolt website



MEP sets up its first US facility

Kent based manufacturer of complex plastic and metal components for aerospace and defence, MEP Ltd. (MEP), is investing \$6.4 million to establish its first US operation in Cyber Park - jointly owned by the City of Danville and Pittsylvania County - in the United States.

Operating in the US as **Making Everything Possible LLC**, it will occupy approximately 5,500 square feet at the Institute for Advanced Learning and Research (IALR) while its new facility is constructed. Virginia successfully competed with North Carolina for the project, which will create 45 new jobs.





Making Everything Possible LLC
232 Slayton Avenue
Danville, VA 24540
USA



EPICOR **edgecum**



Gus Bateas
Chief Commercial Officer
m. +1 (860) 983 4747
GusB@makingeverythingpossible.com
www.makingeverythingpossible.com





MEP Limited
Aylesford, Kent.
ME20 7BU, UK







Phil Davis
Technical Sales Engineer
t. +44 (0)1622 718642
phil.davis@mep.co.uk
www.mep.co.uk

"Virginia's manufacturing industry is large and diverse, and we are excited to partner with MEP Ltd. as the company opens its first U.S. operation in the Commonwealth," **said Governor Northam**. "Danville-Pittsylvania County has developed an inventory of business-ready sites and training programs to ensure a strong pipeline of skilled workers, enabling Southern Virginia to attract global businesses like MEP."

"From a single garage in the UK all the way to our Cyber Park here in Danville-Pittsylvania County almost 50 years later, MEP is a fantastic success story and I am proud that the company chose to open its first US facility in Southern Virginia," said Tobacco Commission

member Dr Alexis Ehrhardt. "The entrepreneurial spirit that MEP represents is a perfect fit for our region, as is its focus on designing and manufacturing products for the aerospace industry, a growing business sector in Southern Virginia. I wish MEP the best as the company gets its project underway and welcome them as an important addition to our business community."

"Following extensive research regarding the best location in the US for MEP Ltd.'s continued expansion, we are delighted to choose Danville as our base for Making Everything Possible LLC," said Phil Hart, Executive Chair of MEP Ltd. and President of Making Everything Possible LLC. "The support and guidance we have received from the City, County and the Commonwealth has been exemplary. The Institute for Advanced Learning and Research is a very particular draw for us, as the approach to encouraging the growth of STEM skills and diversity has been a major reason for our decision, and we look forward to working closely with Troy Simpson and his team to continue the good work in advanced manufacturing and technology. Together, we can grow our US business, sharing our success with the people of Danville and the Commonwealth of Virginia. Together, we can go beyond, Making Everything Possible."



Above: Phil Hart, Executive Chair of MEP Ltd.
and President of Making Everything Possible LLC.
Courtesy MEP

Capabilities

5 Axis Milling and multi-axis Mill / Turning, our offering is a premium machining service at competitive rates. Our wide range of machining capabilities ensure we select the appropriate approach to manufacturing small and simple to larger complex detail metal and plastic components, following all MEP's Quality Management System accredited to AS9100 Rev D.



- Through our wide range of capabilities, consultancy services and single point of contact for multiple engineering commodities, our world class service inspires trust and confidence from our clients.
- Reducing the supply chain, working collaboratively, our clients rely on us to deliver to world-class standards.
- Utilizing all our capabilities and extensive Supply Chain, we can add value for our clients' in supporting simple to complex assemblies.

Making Everything Possible LLC has great links to Global Supply Chains and our approach to Supply Chain Management and working in collaboration with our trusted Supply partners, offers a completed solutions service.

To discuss how Making Everything Possible can support your requirements in the United States of America please contact Phil Hart at philh@makeeverythingpossible.com.

Beyond Making Everything Possible

MEP Ltd.



From the company's foundation in 1972 as Moulded and Engineered Plastics, we have maintained steady growth by winning supply chain confidence and trust with our high-profile clients by delivering high-grade engineering products to their specifications.

Now headquartered in Aylesford near Maidstone in Kent, UK, MEP Ltd. has successfully served the aerospace and defence sectors for four decades. MEP has \$5 million in global sales and currently operates out of 21,000-square-foot manufacturing facilities in the United Kingdom.

MEP delivers complex multi-axis machined components, multi-level assemblies and plastic moulded components, from our AS9100 (Rev D) environment. We actively participate in Innovation programs with our clients, including Innovate UK collaboration projects. These projects include AEMTA, Advanced Electrical Machines technologies for Aircraft (www.aemta.co.uk), MEGCAP, More Electronic Generation and Controls for Aircraft Power Networks, and NATEP – the UK's National Aerospace Technology Exploitation Program.

These innovations are targeted at lower TRL concepts, taking them through research and development, to production readiness. They are very firmly focused on reducing cost, improving performance and reducing weight, involving a combination of improved manufacturing methods, metal to plastic replacement in areas like housings, replacement of castings and expensive machining from solid, and a hybrid of both.

Our wide range of capabilities, consultancy services and single point of contact for multiple engineering commodities, coupled with our award-winning service levels, has gained us a great reputation, confidence and trust from our clients. Reducing the supply chain, working collaboratively, our clients rely on us to deliver to world-class standards.



From manual machining to automated 5 axis Milling and 11 axis Mill / Turn, our offering is a premium machining service at competitive rates. Our wide range of machining capabilities ensure we select the appropriate approach to manufacturing small and simple to larger complex detail plastic and metal components.



Supporting the Power Generation markets in Aerospace and Electrical and Electronic applications, our scope of manufacture in Insulations is wide ranging, from stamped out engineering laminates and films, to moulded and machined complex insulations.



Thermoset or Thermoplastic, with 4 different Moulding Techniques carried out on site, including the encapsulation of metallic inserts (manufactured in-house), all post-moulding and finishing processes, MEP is the 'one-stop-shop' covering all our clients' plastics needs

Utilizing all our capabilities and extensive Supply Chain, we can add value for our clients' in supporting simple to complex assemblies.



Supported by our collaborative and consultative approach, and full Supply Chain Management, and going **Beyond Making Everything Possible**.

To discuss how MEP Ltd. can support your requirements in the UK, please contact Phill Davis at phill.davis@mep.co.uk.

ADS launches Advanced Air Mobility (AAM) Market Outlook

Posted on June 28, 2021 by [Karun Harrar](#)

Advanced Air Mobility is an exciting and fast-growing sector. New technologies will be vital in establishing distributed aviation within the transport mix and many will scale up to become solutions in broader sustainable aviation systems.

The Advanced Air Mobility Market Outlook offers an insight into the opportunities within this market segment. Commissioned by the [ADS Advanced Air Mobility \(AAM\) Group](#), the purpose of the report is to:

- Provide an underpinning baseline for companies to build their own specific business cases and for all investment cases
- Offer essential input to future work of the ADS AAM Group that will identify UK opportunity when combined with UK Value chain and capability data from a separate source to
- Identify where the real business opportunities are in the AAM value chain
- Point to areas of UK capability requiring development, based on current strengths and future AAM capability requirements as driven by the market

The report covers disruptive electric, hybrid-electric and hydrogen powered VTOL (Vertical Take-Off and Landing), STOL (Short Take-Off and Landing) and CTOL (Conventional Take-Off and Landing) passenger air vehicles for intra-city, inter-city, personal and emergency/parapublic transport.

A forecast reaching \$510bn by 2040 is offered but the wide range of public forecasts is included so that they can be taken into account.

Funding came from the DIT, ATI and UKRI and prepared by market experts, Achieving the Difference.

Please click [HERE](#) for the full article

Credit:

- Achieving the Difference for the production
- DIT, UKRI and ATI for sponsoring the paper.
- ADS for facilitating its creation.



EMERGING SKILLS PROJECT: DELIVERING COURSES FOR FUTURE SKILLS

Overview

The Emerging Skills Project builds on the great work carried out last year on Foresighting and enables down-stream activities of the Skills Value Chain (see below) to be trialled.



Many employers in the aerospace sector – large and small – were active participants in Foresighting in 2020 as a means of identifying future capabilities and competencies in industrial digitalisation. The Emerging Skills Project inherits these competencies and develops units/courses for them, builds a depth of knowledge on how to deliver these units through train-the-trainer activities and then delivers these units at small-scale. In practical terms, this gives the opportunity to employers for **free training to existing employees** because the project is being funded by the Department for Education. The project runs to 31st December 2021 with the delivery phase being carried out mainly after the summer holidays.

The project is funded by the Department of Education who have contracted with the High Value Manufacturing Catapult (HVMC) to deliver the project.

The project team is made up of colleagues from the HVMC centres – the National Composites Centre, the Manufacturing Technology Centre and CPI – as well as Enginuity and an independent expert

Scope of the Project:

The units being developed are in the areas of industrial digitalisation (2 areas: data and digital manufacturing); electrification (again 2 areas: batteries as a component and power electronic motors and drives); additive manufacturing and composites. All these units are at levels 3, 4 and 5. There will be a range of units developed with each standing on their own and to be delivered in 1 or 2 days with a mixture of online learning and (virtual) face to face delivery (until circumstances dictate otherwise).

The units will be offered to all employers who are interested with employees able to consume one unit, multiple or all units as the business and employees requires.

Progress to date:

- Electrification
 - 6 units have been identified for batteries:
 1. Electric vehicle awareness
 2. Carry out the isolation/lockout and re-energising of Automotive Electric Vehicles
 3. High Voltage battery and systems assembly

- 4. Automotive electric vehicle charging
- 5. Repairs, rework and high voltage component replacement
- 6. Diagnostics in automotive electric vehicle systems and batteries
- The pilot delivery phase of units 1 and 6 will be held in July 21 – see Eventbrite links below:
 - Unit 1 – remote learning - 5th July: <https://www.eventbrite.co.uk/e/159949293643>
 - Unit 1 – Solihull College – 6th July: <https://www.eventbrite.co.uk/e/159950344787>
 - Unit 6 – Weston College – 29th & 30th July: <https://www.eventbrite.co.uk/e/159950962635>
- Units 1 and 6 will also be run after the Summer break along with the other units – watch this space!
- If these are of interest, please contact neill.goodliffe@engnity.org for more details on the unit content

• Additive Manufacturing

- 4 units are currently under development:
 - Health & Safety in Additive Manufacturing
 - Powder Handling in AM
 - Manufacture in AM
 - Post Processing in AM
- The pilot delivery for units 4 and 5 will also be held in July 21 – see Eventbrite links:
 - Unit 4 – Uxbridge College – 12th July: <https://www.eventbrite.co.uk/e/159951967641>
 - Unit 5 – Uxbridge College – 13th July: <https://www.eventbrite.co.uk/e/159952657705>
 - Unit 5 – Birmingham Metropolitan College – 12th July: <https://www.eventbrite.co.uk/e/159952850281>

• Industrial Digitalisation

- The results of the employer survey are now in and the priorities identified are:

Technical Operator – Level 3			
Robotics - Use of robotics, hardware & programming languages, sensor interface, robotics health and safety	Data & systems - Databases, use of database tools, IT for data manipulation / use.	Interpret and communicate data from metrology/inspection systems using digital tools/methods	Materials management / stock management systems and tools

Junior Engineer – Level 4/5			
Basics of data science, use of data, KPI's and data for measuring product / process performance	Knowledge and use of connected equipment / sensor systems to collect and manipulate production data	Inventory / materials management tools / systems – IT / tags / barcoding etc.	Use digital production and process simulation/modelling tools for workflow and process optimisation activities – digital twins

- These will be discussed with the developers and a plan drawn up for the development and outline delivery phases

More information:

If you'd like to find out more about the project, units being developed for electrification or kept up to date with progress and new units being offered, please drop neill.goodliffe@engnity.org a quick email and he'll add you to his list.

Grow your own talent



UTC Reading is calling for local employers in the digital, science and technology field to work with us to bring industry knowledge into the classrooms and get our teachers into industry, and in turn get themselves 'first dibs' on some of the most sought-after young talent in the Thames Valley.

Employers who work with the students in our schools have a unique opportunity to help shape the curriculum to bridge the skills gap, especially in STEM (Science, Technology, Engineering, and Mathematics) industries, in Berkshire. Those employers are directly responsible for training the next generation in the skills they need in their sector.

And because they've created trusted relationships with the students, employers who have worked in ALET (The Activate Learning Education Trust) schools find they have a ready pool of talent wanting to work for them with the skills they need, because they themselves helped the students to develop those skills.

UTC Reading already works with some of the world's biggest companies, including Microsoft and Cisco, but wants to offer small and medium-sized employers the chance to snap up the best talent in Berkshire by working with UTC Reading now in its Industry Specialist Teaching and Knowledge Exchange Programme.

Working alongside the wider Activate Learning group, along with Newbury College and Windsor Forest Colleges Group, and backed by the European Social Fund, this initiative supports regional development for businesses over the next three years, by developing a suite of solutions addressing the existing gap between curriculum design and industry requirements.

Jane Fitzpatrick, project co-ordinator for ALET's UTC Reading, which specialises in computer science and engineering, explains how beneficial the partnership between schools and employers are.

"ALET gives employers the opportunity to have a meaningful and profound impact on the next generation, by providing inspirational guidance, technical input and by sharing their knowledge of innovations in our economy.



"As well as this, working alongside our talented students gives employers access to a pipeline of skills that is unique to the industry-led education that University Technical Colleges (UTCs) offer.

"Students leaving a UTC in Year 11 are around two years above students from mainstream schools in terms of digital and engineering," explains Jane. "They have been learning in real workplaces and working on industry-standard equipment. So for employers looking to recruit, the bar here is a lot higher.

"We would like employers to impart their industry knowledge in the classroom, not necessarily to teach, but to contextualise learning, deliver projects, masterclasses or live or old briefs with our support, and invite teachers into the workplace to help them better understand industry and skills needs in the local economy.

"It is a unique opportunity to shape the curriculum and to shape future talent."

If you are a small to medium sized company based in Berkshire interested in finding out more about investing in young talent, please email Jane Fitzpatrick on Jane.Fitzpatrick@alet.org.uk

To find out more about Activate Education Learning Trust and our unique learning philosophy, please visit www.alet.org



Team Leading & Lecturing Positions Available



FAC Member Farnborough College of Technology is seeking aircraft maintenance engineers for Team Leading and Lecturing positions.

The College has a history of employing professionals who wish to have the best of both worlds, i.e. maintain fractional roles in industry and education. Consequently both full and part time lecturers will be considered – for practical as well as theory.

As well as your aircraft maintenance experience, the reward of teaching and giving back to the aero industry by upskilling the next generation will be key motivators.

Expressions of Interest can be sent to Matthew (m.wilkie@farn-ct.ac.uk)



The [NATEP](#) programme is a UK Wide initiative led by a consortium partnership of ADS, the Premier Trade Organisation for companies in the UK Aerospace, Defence, Security and Space Sectors and **Farnborough Aerospace Consortium**.



The Aerospace Growth Partnership developed the National Aerospace Technology Exploitation Programme (NATEP) aimed at small and medium sized suppliers to help them develop their own innovative technologies to enhance their capabilities and increase their ability to win new business with higher tier companies anywhere in the world.

The programme will support companies in the aerospace supply chain to develop innovative technologies, working in collaboration with others and supported by higher tier companies. It will equip them to win new business with existing customers and to diversify their customer base. It is based on a proven model delivered by the partner organisations since 2013. As well as grant funding, the programme provides high calibre technical and management resource to help those companies accelerate the technology development towards market readiness.

NATEP is an industry-led programme. Panels of aerospace industry professionals and technology advisers throughout the English regions, Northern Ireland and Scotland are contributing their time for free to support the projects. New and innovative product technologies already supported by NATEP will find applications on current and future aircraft platforms. New or improved manufacturing process technologies will enhance the productivity and competitiveness of the UK aerospace manufacturing sector as well as finding applications in other industry sectors such as Energy, Automotive or Rail.



FAC - FIGHT OR FLIGHT Webinars 2021

FAC are planning an AI webinar and are looking for members that want to present their experiences with implementing Industry 4.0, particularly focused on AI, Digital twinning and transparency of the supply.

If you are an FAC member and would like to present this webinar with FAC or are interested in registering for this webinar then please click [HERE](#).



Aviation Skills Retention Platform Supporting jobs and skills in the Aviation Sector

The Aviation Skills Retention Platform (ASRP) has been created to support skills retention within the UK Aviation industry. It is designed to help talented individuals showcase their experience and expertise while helping businesses find the skills they need.

ASRP provides direct support for both redeployment and recruitment activities, together with a framework for wider skills retention and development programmes across the aviation sector.

The vision for this initiative is to support the retention of people and skills as well as providing a platform that aligns as a wider strategic solution for the recovery of the aviation industry and its development needs.

ASRP is a not for profit programme using the TRS platform and is supported by the Department for Transport, business associations, member companies, professional institutions, unions and other stakeholder organisations.

Companies interested in recruiting candidates can contact them directly through the platform and also upload any job vacancies they wish to promote.

For individuals, the ASRP provides a tailored portal through which candidates can register their personal profile and CV and search for vacancies in aviation and across other key sectors.

Click [HERE](#) for all the information

Click [HERE](#) for a handy booklet

[Innovate UK SMART grants May 2021](#)

UK-registered organisations can apply for a share of up to £25 million for game-changing and commercially viable research and development innovation that can significantly impact the UK economy.

[FIND OUT MORE AND APPLY >](#)



[IETF energy efficiency and decarbonisation studies, Spring 2021](#)

Organisations can apply for a share of up to £40 million to carry out feasibility and engineering studies into energy efficiency and decarbonisation technologies for industrial processes.

[FIND OUT MORE AND APPLY >](#)

[IETF deployment of energy efficiency technologies, Spring 2021](#)

Organisations can apply for a share of up to £40 million for grants to improve the energy efficiency of industrial processes, reducing energy bills and cutting carbon emissions.

[FIND OUT MORE AND APPLY >](#)

[Hydrogen transport hub: demonstration](#)

UK registered businesses can apply for a share of £2.5 million. This is to demonstrate how green hydrogen can be used to power transport solutions for end users.

[FIND OUT MORE AND APPLY >](#)

Please send FAC your company's news [HERE](#)

DAILY ECHO

28 June 21

Cobham considers merger or takeover of Ultra Electronics

DORSET'S aerospace and defence giant Cobham is eyeing a potential merger with another big engineering business which employs people in the county.

Cobham said it was considering a "possible combination" with Ultra Electronics Holdings, which has sites in Ferndown and Weymouth. Ultra responded by saying it had called off discussions which were at a "very early" [stage](#), raising the possibility that Cobham could mount a hostile takeover.

Wimborne-headquartered Cobham said in an announcement that "it is currently considering a possible combination with Ultra Electronics Holdings plc ... with a view to creating a global defence electronics champion". It added: "Ultra and Cobham both have long heritage as innovators, and share advanced complementary capabilities delivering mission critical solutions to the US, UK and other key allies.

"A number of structures are under consideration to effect such a combination, including a contribution of Cobham into Ultra in exchange for new Ultra shares or a possible offer for Ultra by Cobham. "There can be no certainty that any combination will result, and therefore there is no certainty that an offer will be made for Ultra or Cobham, nor as to the terms on which any such offer will be made."

Under the City Code on Takeovers and Mergers, Cobham now has until 5pm on July 23 to announce a firm intention or say that it will not make an offer. The deadline can be extended with the consent of the Panel on Takeovers and Mergers.

To read the full story click [HERE](#)



Airbus wins 70 aircraft order from United Airlines



European airframer [Airbus](#) has won an order for 70 single-aisle [Airbus](#) A321neo aircraft from American carrier United Airlines (UA/UAL).

The order brings the total to 130 of the type for United with 50 [Airbus](#) A321XLRs already on order.

Christian Scherer, [Airbus](#) Chief Commercial Officer and Head of International said: "Such a significant order from a great

airline like United underscores that the A321neo offers unmatched capabilities, operating economics, and passenger friendliness,"

Although most of the aircraft will be assembled in Mobile Alabama, the wings for the [Airbus](#) A321 airliners are made in Broughton, North Wales meaning the order is also great news for [Airbus](#) UK and its employees.

Read the full story [HERE](#)

Bristol Airport to be first Net Zero airport in UK



Bristol Airport (BRS/EGGD) has confirmed it will achieve net-zero status by 2030 making it the UK's first Net Zero airport. and 20 years ahead of targets set by the UK Government.

The west-country airport is due to achieve carbon neutrality by the end of 2021, four years ahead of schedule.

Net-Zero buildings and a Net Zero fleet of airport vehicles are just some of the ways being utilised by the airport to achieve the net-zero airfield status.

Other projects being explored by the airport include eVTOL air-taxis for onward travel from and to the airport across the south west.

Read the full story [HERE](#)

Red Arrows return to UK & where to see them in 2021



The Royal Air Force Aerobatic Team (RAFAT) The Red Arrows returned to their UK home at RAF Scampton earlier this week after gaining their Public Display Authority (PDA) for 2021.

The team has been undergoing pre-season training in Greece to perfect their routines and before this years display routines were approved.

Read the full story [HERE](#) and find out where to see

the Red Arrows in 2021



FAC MEMBERS FIGHTING AGAINST COVID-19



If your company is doing something to help with the COVID-19 Outbreak and you want help or just to let people know about it, please send information to us so we can include your information in our news updates and newsletters.

Please email them [HERE](#)



**If you want to tell other FAC
members about your company or
news please contact FAC [HERE](#).**

We can include your information in our monthly
edition of InterFACE.

**If you wish to read all the COVID
Updates, please click [HERE](#)**

**Get in touch with us [HERE](#) at any time
if you need assistance**

