

interFACe

The magazine of the Farnborough Aerospace Consortium



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NATEP

InterFACe - the newsletter of the FAC

To view FAC's August 2021 edition of InterFACe click the image below:



To view FAC's July 2021 edition of InterFACe click [HERE](#)

To view FAC's June 2021 edition of InterFACe click [HERE](#)

To view FAC's May 2021 edition of InterFACe click [HERE](#)

To view FAC's April 2021 edition of InterFACe click [HERE](#)

CLICK BELOW TO BECOME A MEMBER



To see all the FAC Membership Benefits click [HERE](#)



Recently FAC welcomed these new members



[RHH Franks](#) (See the RHH Franks article on page 10)



[Fitfactory](#) (see the Fitfactory article on pages 8 and 9)



[Progressive Technology](#) (see the Progressive Technology article in the [August InterFACe](#))



[RINA Consulting Defence Ltd](#) (See the RINA Consulting Defence Ltd article in the [July InterFACe](#))



[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](#))

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 [RHH Franks](#) our newest recruits, and I am sure you will join me in welcoming them to FAC.

We will be publishing more events 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 any topics, 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 is working in conjunction with ATI and FlyZero as part of the government's Regionalisation Engagement programme, on the 20th July we hosted a FlyZero Awareness webinar as step one in the engagement programme, we plan to hold a FlyZero Technology workshop later this summer, so watch this space for details.

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



The National Aerospace Technology Exploitation Programme (NATEP) is a government funded programme which aims to support innovative small companies working in the civil aerospace sector by providing research grants. The funding comes through ATI and Innovate UK manages the NATEP calls and the projects while they are running.

As well as providing the grants themselves, the programme employs Technology Managers (TMs) who provide free guidance to companies that wish to apply. The TMs are jointly managed by ADS and Farnborough Aerospace Consortium (FAC). The TMs at FAC are available to provide initial advice as to the suitability of project ideas and guidance when filling out the application form. They can also help with identifying potential project partners and the exploitation of the project results through our extensive network of contacts, both with smaller companies and with OEMs and Tier 1 suppliers.

If you are successful in your NATEP application, then the TMs will help with all the documentation and presentations that are required to fulfil your project. You will become part of the NATEP family and as such will benefit from exposure to further funding opportunities and encouraged to disseminate your project at NATEP arranged events and big engineering shows. Even if you are unsuccessful in your application, our feedback suggests you will still benefit from having a better understanding of your unique selling points and developing an improved strategy. The TMs can also point companies towards alternative sources of funding, if appropriate.



SME's - Do you need up to £150K to develop an innovative idea?!

- Do you have an idea that might improve a process, a technology, a supply chain?
- If you had funding could you introduce a change or an improvement to one of your existing products or processes?
- Do you have an idea to combine existing technologies into one product? . . .then NATEP could help!

For more information please contact FAC kim.yeomans@fac.org.uk

Women in Aviation & Aerospace Charter

The UK's aerospace and aviation sectors have come together to work towards gender equality in the industry through the Women in Aviation and Aerospace Charter.

Members of the Charter include aerospace manufacturers, airlines, airports, trade bodies and others. The Women in Aviation and Aerospace Charter reflects the aspiration of the industry to see gender balance across all levels.

FAC are proud to not only be signatories of this Charter from the beginning but, our Operations Manager Kim is part of the Charter's leadership.

What is the Charter?

- A commitment for organisations to support the progression of women into senior roles in the aviation and aerospace sectors by focusing on the executive pipeline and the mid-tier level;
- A recognition of the diversity of the sector and that organisations will have different starting points – each organisation should therefore set its own targets, where appropriate, and implement the right strategy for their organisation; and
- A requirement for organisations to publicly report on progress to deliver against any internal targets to support the transparency and accountability needed to drive change.

For more information or if you wish to become a signatory email kim.yeomans@fac.org.uk

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.**



There are four exciting new sections:

- Membership
- New Members
- Events
- About FAC

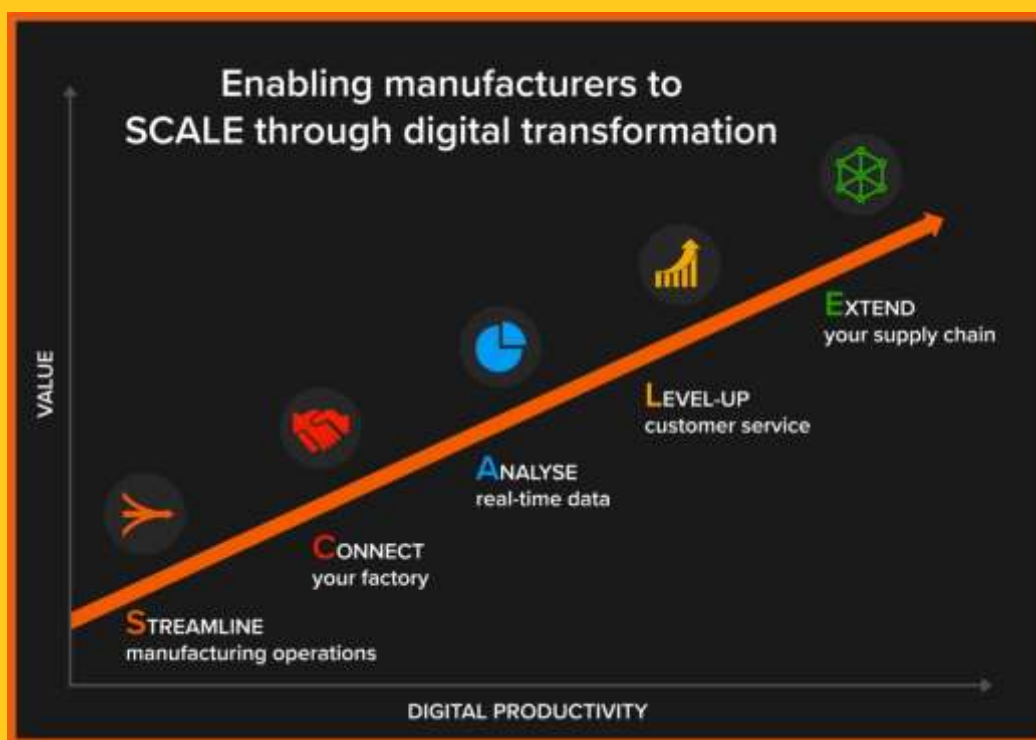
Please click **HERE** for more information



Fitfactory helping Aerospace Manufacturers SCALE

Fitfactory enables manufacturers to SCALE through digital transformation. Our modular MRP, Business Intelligence and Supply Chain Management software supports more than 400 UK companies across advanced manufacturing sectors. We deliver simple solutions that bridge the gap between engineering and technology and make digital transformation achievable for all.

Additionally, we take a customer-centric approach by understanding your business, your goals, and what you aim to achieve and creating a digital roadmap to help you achieve it using our SCALE framework. Here's how our SCALE framework supports your digital journey from Streamline, Connect, Analyse, Level-up and Extend:



Streamline Manufacturing Operations

As regulations for quality and safety have increased in aerospace, so too has digital systems to trace every activity, maintenance check, and process throughout your factory. Our leadership team has decades of experience running aerospace subcontractors and special process houses and has incorporated this knowledge into our Fitfactory products. As a result, we ensure that our products provide unrivalled traceability to streamline compliance with AS9100, ISO9001 and Nadcap.

Connect Your Factory

Additionally, you need to be adaptable and responsive to changes and ensure you have data from all aspects of your business. We help you replace spreadsheets to embed robust systems to capture and connect information from your people, plant, processes, products and partners. This connectivity enables you to automate data processing, bridge internal silos and enable paperless manufacturing.



Analyse real-time data

Continuous improvement and supply chain excellence are critical now in aerospace. To do that, you need to analyse business performance together and make informed decisions in real-time. At Fitfactory, we provide full visibility of business performance and allow you to set up rules and activities to alert you when exceptions occur and help you turn insights into actions.

Level-up Customer Service

As demands for supply chain transparency have increased, it's vital that you communicate the value you are adding to customers. So we let you share real-time information with customers to communicate job progress as changes occur and demonstrate quality, cost and delivery performance to help you win more work.

Extend Ecosystems

As we have seen during the pandemic, diversification into different markets and mitigating supply chain risk is imperative to survival. We help companies across high-value manufacturing sectors to promote capabilities, connect and collaborate cross-sector. Utilise Big Data to mitigate supply chain risks and identify new potential suppliers to increase resilience.

Supporting your digital transformation

With over 25 years of experience in delivering digital technology, our team of experts are on hand to support every step of the journey and help find the right solution for your business. So, whether you are starting from digital novice or digital champion, work in fabrications, treatments or high-end assemblies, we work with you to understand your goals and tailor our solution to your business.

Create World-Class Aerospace Companies

Ian Bouquet-Taylor, at AE Aerospace, explains how he found working with Fitfactory: "AE Aerospace is working towards its vision of creating a "Glass Factory" where schedule, progress and available capacity data are available to customers at the touch of a button. To achieve this servitised model, we partnered with Fitfactory to use AeroDNA, Paperless, GreyBox, Asset Manager, CRM, and Insights to link our organisation together intricately. So now, everyone can see our plan, achievement and issues and act on them accordingly. This has seen an uplift in OEE, taking us from 28% to 35% within the first few months and laying the foundations to offer something truly different to our customers and move us yet further to being the world-class company we know we can be."

To contact Fitfactory click [HERE](#)





Global manufacturing business RHH Franks have delivered exceptional manufacturing services and products to the worldwide aerospace, defence, nuclear and marine industries for over half a century. Specialising in the manufacture of air and fluid transfer pipes, ducts and complex fabrications such as water extractors and heat exchangers, RHH Franks have a full range of capabilities on site providing an end-to-end solution to its customers.



Founded in 1961, RHH Franks has grown from a modest sheet metal workshop to a sizeable end-to-end subcontract manufacturer providing a complete range of services from CNC milling and turning to complex fabrication, including Nadcap-accredited welding, chemical processing, heat treatment and dip and torch brazing.

Clients include Leonardo Helicopters, Eaton Aerospace, Cobham, SEA Ltd, Atlas Elektronik and QinetiQ. Honeywell is one of their longest standing clients, having worked with RHH Franks since 1967.



Over the decades, they have delivered parts, components and assemblies for some of the world's most advanced aircraft of the time, including the Twin Store Carrier for the Tornado GR4, Concorde, Augusta Westland 149, Hawk, Eurofighter Typhoon and Apache AH64.

Today, RHH Franks operates from its recently expanded 30,00sqft premises in New Milton and employs over 40 skilled engineers from the Hampshire and Dorset area.

Part of RHH Franks' vision for the future is to inspire the next generation of engineers. In 2018 they launched their apprenticeship scheme and regularly welcome local students for work experience, aware of the significant impact that work experience placements can have on someone's future career choices.



Elsa Hogan, Managing Director, added: "We are proud to support the younger generations into engineering, manufacturing and also aviation. Through an apprenticeship programme supported by Next Generation Makers, offering work experience placements, and supporting local events aimed at school leavers we hope to encourage as many people into the exciting and rewarding world of engineering"

To contact RHH Franks click [HERE](#)
For the RHH Franks website click [HERE](#)

FIGHT OR FLIGHT Webinars 2021

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

DATE	TIME	FIGHT OR FLIGHT TITLE	PRESENTER
6.10.21	TBD	Technology Bricks Development Roadmap	Flyzero Team and FAC
12.10.21	2pm	Space Strategy and how the US and UK Can Connect	NHADEC and FAC

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).



FARNBOROUGH AEROSPACE CONSORTIUM

WEDNESDAY 6TH OCTOBER 21

Call out to UK industry - FAC and the Flyzero team invite you to participate in our technology bricks development roadmap webinar...

The Event will focus discussion on how to develop the future UK industrial base to deliver products in the following key areas:

- Fuel Cells
- Batteries
- Thermal management systems
- Electrical power management systems

Book now by emailing rachel.abethell@fac.org.uk





SAVE THE DATE!



NHADEC and FAC Webinar: Space Strategy and how the US and UK can connect

Tuesday 12th October 2021 at 2pm to 4pm

The New Hampshire Aerospace & Defense Export Consortium of North America brings together the best of the best in the Aerospace, Defense and Space sectors. Representing a growing, dynamic industry, members of the Consortium represent a wide range of innovation and diversity, scaling from the large global players to the innovative SMEs, all offering advanced unique technologies and superior business acumen.

NHADEC and Farnborough Aerospace Consortium (FAC) are working together to bring together US and UK supply chain companies to identify potential sales and business opportunities in both the aerospace and space industries.

More details will be coming out shortly.

To register your interest please click [HERE](#)

**Advanced
Engineering 2021
3 & 4 November 21**



FAC have taken a stand so let us know if you would like to exhibit with us.

Please click [HERE](#) to register your interest in exhibiting with FAC

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.

See more details [HERE](#)

ANNUAL CONFERENCE

fac

South East Aerospace

25TH NOVEMBER 21

**The Frimley Hall
Hotel**

SAVE THE DATE

To register your interest please click [HERE](#)



Future Flight Phase Three Competition Briefing Online Event

Tue 14 Sep 2021 at 14.00 - 15.30



Connecting for Positive Change

The world we live in faces ever-changing societal, environmental and economic challenges, which are felt regionally, nationally and also globally. At KTN our mission is to connect ideas, people and communities to respond to these challenges and drive positive change through innovation.

Our diverse connections span business, government, funders, research and the third sector. [Click here](#) to find out more about how we can work with you.

Future Flight Phase III Competition Briefing

Launch of Phase III of the Future Flight Challenge competition, a £125m government investment to advance the next generation of aviation solutions.

Phase III of the Future Flight Challenge at UK Research and Innovation is due to open on 6 September 2021 with the launch of its new funding competition.

Details of the brief for Phase III are now available and can be found [here](#).

On 14 September at 14:00 join us live to hear the Future Flight Challenge team talk through full details of the competition and how you can apply. Register your attendance now.

Register [HERE](#)



UK Space Conference Online 27th – 29th September 2021

Are you a prominent player in the Space Industry?

We are delighted to announce that registration for the UK Space Conference 2021 Online is now open - [visit our website](#) to get your ticket today!

The UK Space Conference is well established as the most important and influential event for space in the UK.

For the sixth time, this biennial event will bring together the UK and international space community from across government, industry and academia to exchange ideas, share plans, develop relationships and seek inspiration to thrive in the new space age.

The 2021 online conference will provide unrivalled networking opportunities and build on the success of the ICC Wales in 2019.

For further information, please contact the event team on: hello@spaceconference.co.uk

Your ticket will provide you with a profile and account on the event platform. The platform will be accessible from Monday 20 September for attendees to access Space 101 sessions and take a look around the platform ahead of the main event on 27-29 September.

In the build-up to the conference, you will also have the opportunity to build your profile, connect with registered colleagues near and far, while browsing conference programme and creating your own personalised agenda - all in one location.

We are going to be regularly promoting our sessions and speakers on our social media channels in the upcoming weeks.

Follow us on [LinkedIn](#) and [Twitter](#) to keep up to date with all UK Space conference announcements.

Click [HERE](#) for more information



The 2022 Isle of Man Aviation Conference

"REGISTRATION OPENS SOON"

The 2022 Isle of Man Aviation Conference will be held on Wednesday 22nd June at the Villa Marina in Douglas, Isle of Man.

The event is organised by Martyn Fiddler Aviation and fully supported by the Isle of Man Aircraft Registry.

Now celebrating its 10th year, the conference continues to attract a large, high profile audience from across the industry worldwide, working in regulation, manufacture, operations, ownership and management.

The conference provides a venue for the discussion of aviation issues and challenges facing the industry. It aims to showcase the Isle of Man as a centre of excellence for aviation expertise and a base for which high value business aircraft can be fully supported.

There will be a number of associated networking events organised by Martyn Fiddler Aviation for the delegates. These include a pre-conference meeting for delegates arriving on the island, a post-conference reception, and a breakfast meeting on the Thursday.

For more information click [HERE](#)

West of England Aerospace Forum



FlyZero Webinar – 14/09/2021

Hydrogen fuel cell technologies for powered aircraft and cross sector industrial development

Eventbrite link: <https://www.eventbrite.co.uk/e/flyzero-workshop-part-one-tickets-161895316249?aff=ebdsoporgprofile>

Free to all.

WEAF South West Aerotech Expo – 7/10/2021

PDF and marketing graphic attached.

Eventbrite link: <https://www.eventbrite.co.uk/e/south-west-aerotech-expo-21-tickets-161890951193?aff=ebdsoporgprofile>

If you are an FAC member contact us [HERE](#) for discount codes

For the WEAF website click [HERE](#)



ACE21

AIR CHARTER EXPO

London Biggin Hill / 14 September 2021

Thursday September 14th, 2021

**The conference exploring and promoting zero carbon business aviation
Business aviation is embracing the environmental challenge**

Despite being responsible for only a fraction of total emissions (estimated 2% of aviation emissions, which in turn represent 2% of global emissions) the business aviation industry recognises that it has an important role to play in addressing valid concerns as to the impact of flying.

Charter is an important sector of business aviation and probably the most visible to the public. [Air Charter Expo \(ACE'21\)](#) is the leading international event for this industry and Green Charter 2021 will take place during ACE'21 at London Biggin Hill airport on Thursday September 14th, 2021.

Green Charter 2021 will consist of a full day conference programme and exhibits from companies developing electric and hybrid aircraft suitable for business aviation assignments. Also on show will be companies providing technology driven solutions to those wishing to operate their companies in such a way to minimise their environmental footprint. Green Charter 2021 will not only demonstrate how business aviation is reacting to the need for greater awareness, but it will also allow charter companies to increase their knowledge of how they can make a difference at an individual level.

Conference

ACE'21 features an excellent conference programme, addressing key issues affecting charter brokers and companies. Green Charter 2021 will present a range of topics - the aircraft in development, how technology can assist business aviation and how our industry can lead in its public facing activities.

The entire programme will be webcast live so that business aviation professionals worldwide can play an active part in the conference

Exhibits

Exhibitors at Green Charter 2021 will join the 70+ exhibiting companies at ACE'21 who enjoy a full day meeting and networking with Over 1,100 attendees.

Aircraft

Over 20 of the finest business aircraft at ACE'21 will be joined by example of new aircraft in development, plus technology driven options for business aviation operators, airports and handling companies.

For more information click [HERE](#)



Global Urban Air Summit

POSTPONED UNTIL 2022

With the current challenges posed by international travel, Farnborough International has made the difficult decision to postpone the upcoming Global Urban & Advanced Air Summit (GUAAS), originally taking place 7 and 8 September 2021, to Spring 2022.

As a world-class, face-to-face event that places the meaningful collaboration of the global Advanced Air Mobility community at its heart, the current restrictions surrounding international travel to and from the UK mean that, despite being ready to welcome delegates to Farnborough this September, it is not possible to deliver our visitors, exhibitors and partners with the best opportunity to network, learn and do business with their global counterparts.

To ensure that the event continues to provide the value of partnership development and sharing of ground breaking insight for an international audience, GUAAS will be returning with a bang in Spring 2022 to deliver two days of innovation, connection, progressive industry conversation and technology showcases.

The new dates for GUAAS will be announced very soon in the coming weeks, as we take the time to ensure that the new dates allow for all of our international stakeholders to gather together in person once again.

We understand how important clarity is for everyone, so we thank our partners, exhibitors and global visitors for their patience and continued support. We look forward to welcoming you to Farnborough International Exhibition & Conference Centre next year.



Midlands Aerospace Alliance black-tie dinner, 14 October

The premier black-tie dinner of 2021 in the Midlands will see members of the aerospace and defence industry gather for an evening in the company of colleagues and partners. With leading companies well represented it is an opportunity not to be missed.

The new venue for 2021 is the newly renovated prestigious Grand Hotel in Birmingham. The event is being supported and will be attended by Collins Aerospace, Meggitt, Moog and Rolls-Royce.

Click this link for more information: <https://www.midlandsaerospace.org.uk/events/maa-dinner-2021>

Register now for our Webinar:
Post-COVID rate ramp-up: can your operations and finances handle it?

September 23, 2021 | 2:00-3:00 pm BST

Please register to join us as Roland Berger and Rothschild team up with ADS to deliver our combined thoughts on the topic, along with views on valuation and M&A, on September 23, 2021, at 2:00 pm BST!

Airbus is raising production rates, investigating narrowbody rates as high as 75 by 2025, while Boeing also plans to ramp 737 productions up quickly.

Even with likely delays to widebody ramp-ups, the implications for suppliers are serious: operations, talent, and cash must all come together to achieve these targets.

What rates will actually be realized? What are the operational and cash flow implications? How should suppliers prepare?

Please register to join us as Roland Berger and Rothschild team up with ADS to deliver our combined thoughts on the topic, along with views on valuation and M&A, on September 23, 2021, at 2:00 pm BST!

Register [HERE](#)



EASA SERVICES ZONE
Manufacturing, Design, CAMO & Maintenance Training



After a 2 year absence, MRO EUROPE will return as a live show in Amsterdam on October 20-21 with premium conference content from top airline and industry leaders and 300 confirmed exhibitors all anxious to meet with attendees.

A main feature in the exhibition hall will be the EASA SERVICES ZONE, a meeting place for buyers and providers of specialist EASA services including:

- Part 21G Manufacture
- Part 21J Design
- Part M CAMO
- Part 147 Maintenance Training

The EASA SERVICES ZONE is located in Hall 5 opposite the busy Go-Live Theatre and Lounge area. The zone will accommodate up to 20 Exhibitor Kiosks and at just US\$3605, a kiosk is a cost-effective way to stake your place in the show, meet customers and generate sales leads.

EXHIBITOR KIOSK PACKAGE: US\$3605

Desk, lockable cabinet, stool, carpet and electrical socket

Graphics Panel with company name and logo. You supply materials and we print.

Exhibitor Listing

EASA Services Zone promoted on MRO Europe website under Featured Events

Reservation Deadline - September 1

[General Information](#)

[Conference Agenda](#)

[Go Live Theatre Schedule & Speakers](#)

[Exhibitor List](#)

[Floor Plan](#)

To reserve your place in the EASA SERVICES ZONE, contact:

Mike Elmes

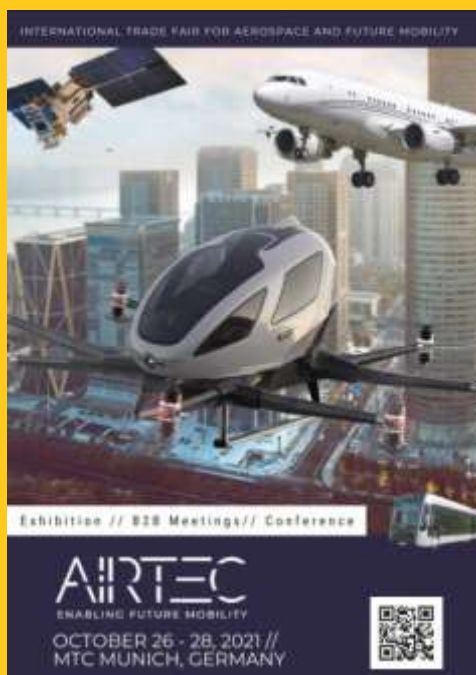
Sales Director, Aviation Week MRO Events

mike.elmes@aerospacemedia.co.uk

Matt Elmes

Sales Assistant, Aviation Week MRO Events

matthew.elmes@aerospacemedia.co.uk



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](#)



MEMBER SPOTLIGHT



Thales is turning its eye on poaching and criminal activity using airborne surveillance capabilities.

Introduction

Thales has long recognised a need in traditional military and recently civil domains for an easy-to-use low-cost airborne surveillance capability that can be easily role-changed to meet ever-changing mission requirements. In response to that, Thales developed the Avni airborne surveillance system and the associated Thales Intelligence Management and Exploitation System (TIMIX) to provide a complete, flexible, and scalable end-to-end solution to the problem.

What problems are we trying to solve?

There are numerous real-world use cases where there is a need to survey vast areas of the ground, including Anti-poaching, Border Surveillance, Infrastructure Monitoring, and Search and Rescue. Each example has similar but unique challenges, such as:

1. Anti-poaching, where poachers move around both in vehicles and on foot, usually at night, and their whereabouts within thousands of square kilometres are completely unknown to authorities.
2. Border surveillance, where thousands of kilometres of ground borders are well-defined but not necessarily well-guarded, and illicit crossings may be being made for various reasons.
3. Infrastructure monitoring, where long linear structures such as pipelines and railway tracks need regular monitoring for the prevention of theft, vandalism or other nefarious activities.
4. Search and rescue, where relatively small objects with uncertain locations are in need of assistance in vast and inhospitable regions of the land or sea.

Avni's system overview

First and foremost, the Avni system is platform-agnostic, meaning that it has been designed to be fitted to fixed-wing and rotary wing manned aircraft, as well as installation on Unmanned Airborne Systems (UAS). Because the Avni system incorporates a standardised backbone in the airborne platform it enables end users to select the best sensors for the mission and essentially "plug and play" them. Existing airborne configurations for Avni include:



Optical wide area surveillance combined with a turret:

This configuration utilises two sensors in collaboration with one another: the Avni wide field of view sensor (also referred to as Sweepir 80) provides continuous ground coverage over a 90 degree field of view in both colour electro-optic and long-wave infrared at up to 1,000 km²/hr. Images from the sensor are analysed in real-time in the aircraft or via datalink on the ground, and whenever objects of interest are detected, the turret sensor is cross-cued. With its narrow field of view and high resolution, the object of interest can then be examined in much finer detail to enable timely decision-making. The infra-red capability means this configuration is used both during the day and at night.

Radar wide area surveillance combined with a turret:

This configuration also utilises two sensors in collaboration, but in this case, the sensor providing the detection of objects of interest is the Thales I-Master Synthetic Aperture Radar (SAR). Not only can the SAR produce high-resolution images of the ground, but moving objects can be detected, both on land and in the maritime environment. Detections from either the images or the moving objects can then be used to cross-cue the turret, once again for detailed examination and decision-making. The SAR capability means this configuration is used both during the day and at night, and also during poor weather.

Long-range oblique reconnaissance fit:

This configuration provides a Long Range Oblique Photography (LOROP) standoff reconnaissance capability. The Avni LOROP system is operated by the pilot. Control of the system is provided by controls located in the front of the cockpit, including pointing angle, event marking, record, etc., as well as system status feedback to the pilot. This configuration is best suited to the regular surveying of borders and critical infrastructure. Imagery acquired during these missions can be examined in real-time but typically are analysed post-mission and compared with vast archives from previous flights.

What about all the data?

Although the various Avni airborne system configurations can provide real-time exploitation either in the aircraft (if manned) or via a datalink, all data acquired during every mission is recorded on dedicated memory modules within the airborne platform. A typical anti-poaching mission could last as long as six hours during which time in excess of 200GB of data is available for analysis. There are two rules of thumb associated with image analysis, firstly that it takes approximately 60 times longer to exploit imagery data than it does to acquire it, and secondly (and as a result of the first rule of thumb), analysts seldom manage to exploit more than 5% of imagery acquired. However, what is absolutely without question is the quantity of valuable intelligence which is simply archived or discarded.

The approach that Thales has taken to truly exploit this untapped mine of information is to develop TIMIX, the Thales Intelligence Management and Imagery Exploitation (TIMIX) capability. The TIMIX system provides a complete data fusion and intelligence management capability that has been integrated with a wide range of airborne sensors and is capable of ingesting, storing and retrieving a large number of imagery and data formats ready for extraction and distribution when required.

But importantly, in harmony with human analysts, Thales has developed (and continues to develop) a library of Artificial Intelligence tools which can be deployed across the vast archives of data. Some of the techniques are feature specific, such as the use of highly trained convolutional neural networks (CNNs) to find precisely defined features in big data sets, while others are more generic, and can be used to detect anomalies, vital when conducting searches for objects of which insufficient examples exist to train a CNN. Working

thousands of times faster than human analysts, and never getting tired or bored, these tools are now considered to be an essential part of the image exploitation process.

Thales are also developing tools to enable Natural Language Processing (NLP) to enable highly enriched data discovery and one-shot learning, a feature detection technique which essentially allows analysts to command TIMIX to "show me more examples in the database that look like this". All these techniques are designed to augment the capability of human analysts who retain the decision-making authority while having the cognitive burden of triaging big data vastly reduced.

The TIMIX system is designed for operators to produce imagery/data -derived reports in response to specific requirements utilizing the stored mission imagery/data. These reports, typically PowerPoint-based, are produced in either hard- or soft-copy format and may be saved to removable media including CD, DVD and USB storage devices.

Scalability and flexibility

With the provision of a standard backbone the Avni airborne system is designed to be scalable and flexible. Multiple role-fit configurations are already available and Thales is dedicated to working with end users to solve problems, not simply to provide equipment.

TIMIX provides a complete intelligence management capability that can be scaled to match a user's operational requirements. Numerous TIMIX nodes can be connected by a network infra-structure to provide a complete intelligence data management network. A TIMIX node network can be extended once the user's operational requirements are realised after an initial capability has been established.

The TIMIX system also has a modular architecture: as a result, new capability, storage and workstations can be added without the need for a re-design. A TIMIX system can be configured and scaled to meet the user's requirements, and the costs minimized through the utilization of 'best in class' Commercial off the Shelf (COTS) hardware and software. The entire capability and approach from Thales is perhaps best summed up by Linda Lloyd, Senior Programme Manager at Thales: "In summary", she says, "the Avni and TIMIX systems provide a capability that enables the collection of data to allow operators to exploit data and provide time critical data fusion as part of an end to end integrated intelligence capture and management architecture". Poachers and criminals beware, Thales is helping your activities to be seen – and acted upon.

About Thales

Thales is a global technology leader in the Aerospace, Transportation and Defence & Security markets. The company generates revenues in excess of €19 billion with 80,000 employees in 68 countries. With its 30,000 engineers and researchers, Thales has a unique capability to design, develop and deploy equipment, systems and services that meet the most complex security requirements. Thales has an exceptional international footprint, working with customers and local partners around the world.

Thales in the UK is a team of over 6,500 experts, including 4,500 highly skilled engineers, located across 10 key sites.

Contact: Jim Heathfield – Product Line Manager (jim.heathfield@uk.thalesgroup.com)

Additional links:

[Airborne Optronics | Thales Group](#)

<https://www.youtube.com/watch?v=lx--42Yzm-U> Avni

<https://www.youtube.com/watch?v=bpKEDR3UCd0> TIMIX

<https://www.youtube.com/watch?v=OO0YsF4WsHE> anti-poaching



MEMBER SPOTLIGHT



We are designer & converter of customized value added solutions for industrial performance. ADDEV Materials stands for ADDED Value on Materials, reflecting our ability to add value to materials. This capacity is illustrated through our two main activities: Converting of technical films (laminates, papers & fibres) and adhesive solutions (adhesive tapes, foams) and customized packaging of adhesives and chemicals.

Materials

Key partner of worldwide manufacturers, our product offering meets the requirements of our customers in all our markets. With over 15 000 products customized into more than 40 000 solutions, we offer more than they may expect.

Converting

Key partner of worldwide manufacturers, our product offering meets the requirements of our customers in all our markets. With over 15 000 products customized into more than 40 000 solutions, we offer more than they may expect.

Services

Key partner of worldwide manufacturers, our product offering meets the requirements of our customers in all our markets. With over 15 000 products customized into more than 40 000 solutions, we offer more than they may expect.

ADDEV Materials is organized into three main sectors of activity :

AEROSPACE & DEFENSE



MOBILITY & INDUSTRIES



HEALTHCARE & HYGIENE





AEROSPACE & DEFENSE

MANUFACTURING - CUSTOM PACKAGING – DISTRIBUTION

ADDEV Materials is a specialist supplier to the Aeronautics, Space & Defence market and offers its customers, product expertise, customised packaging solutions and industrial cutting processes backed up by a broad range of added value services.

As a manufacturer of chemicals and supported by its supplier partners, ADDEV Materials has developed an extensive range of aerospace-approved and standard products: Glues & chemical products (lubricants, oils, greases, etc.), technical films (Kapton, Tedlar, PI films, PVF films), adhesive tapes & shapes, Materials for the manufacture of composite materials (peel plies, felts, etc.), structural films, composite materials (prepregs, honeycombs). Thanks to its ZipChem® brand, ADDEV Materials has become the expert in aviation surface treatment : corrosion inhibition, aerostructure cleaning & maintenance, interior disinfection...

A multi-plant structure with sites in France, UK and North America and a network of sales offices around the world (Canada, Mexico, Poland, Middle East, Asia Pacific, Australia, Greece...), give ADDEV Materials the organisational resources needed to partner the leading international players: manufacturers, tier-1 equipment manufacturers and their subcontractors, airlines and MRO operators.

Wherever innovative materials are key, we deliver manufacturing, converting and services to optimise your performance



- **ENGINES** ► Assembly ► Protection ► Lubrification ► Insulation ► Cleaning
- **AVIONICS** ► Insulation ► Protection ► Assembly ► Marking
- **CABIN INTERIORS** ► Assembly ► Weight reduction ► Protection ► Insulation ► Cleaning & Disinfection ► Flooring
- **AEROSTRUCTURES** ► Insulation ► Weight reduction ► Assembly ► Surface Treatment & Protection ► Coating & Cleaning
- **MRO** ► Masking & Protection ► Assembly ► Marking ► Coatings

CALLA® 1452 & AERODIS® 7127 : our Zip-Chem® flagship products



Our Zip-Chem® approved disinfectants provide treatment against a wide variety of germs and pathogens, in particular coronaviruses, thus ensuring the protection of passengers and crew against the transmission of Covid-19. It is also safe for people and do not damage or stain the materials used in the construction of the cabin. Typical areas in airplane can be treated with Calla® 1452 and Aero Dis®7127 such as: - Lavatories - Doors/Side Panels - Galleys - Arm Rests - Tray Tables - Storage Bins - Transparencies - Cockpit/Crew Areas However, their use is not limited to airplane and can be extended to other areas such as airline counters, airports terminals, airline lounges, MRO workshops, offices and control towers.



Focus on Calla®1452 : cleans, disinfects, and deodorizes in one easy step.

Calla®1452's disinfects and cleans in one easy step non-porous and hard surfaces. The formula is effective on all non-porous and hard surfaces in airplanes and is part of US EPA's List N. As a bactericidal and virucidal solution, it kills over 99.9% of germs. Calla®1452 can be vaporized, sprayed or fogged thanks to electrostatic guns, which allows large spaces to be treated rapidly and to reach all parts of the cabin. Calla® 1452 is supplied either in concentrate gallons or supplied ready to use in trigger sprays. Calla 1452 has been recommended by aircraft manufacturers and airlines as an effective solution against Covid-19. Specs: AMS 1452,1453,1530B and 1550B Boeing D6-7127 and D6-17487 NAVAIR: 01-1A-509-2 European Standards - NF EN 14476 - Virucid certification.



Focus on AeroDis®7127: a ready to use disinfectant and cleaner

Zip-Chem® introduced the next generation of aircraft cabin disinfectants with its AeroDis®7127 botanical based disinfectant. AeroDis®7127 is effective on SARS-CoV-2 & human coronavirus. Thanks to its bactericidal & virucidal properties it kills over 99.9% of germs. It is suitable to all aircraft surfaces and does not stain. Thanks to a low toxicity - classified as EPA toxicity category IV, the lowest concern level for acute toxicity – it is also safe for food contact. For this product the application is also effortless thanks to ready to use spray bottles or single-use wipes which can be kept onboard and used by crew and passengers to respond to local cleaning needs in flight. Specs: Boeing D6-7127 AMS 1452 and 15503-1.



Contact Addev Materials [HERE](#)

Click [HERE](#) for the Addev Materials website



MEMBER SPOTLIGHT



CASCADE ENGINEERING CELEBRATES 15 YEARS

Structural engineering specialists celebrate their work on iconic projects since 2006

In the summer of 2006, Cascade Engineering's Managing Director, Ben Barrass, was not taking things easy. "Alongside setting up Cascade with my business partner, Rob Harborne, my wife and I were expecting our second child – practically in the same week," he remembers. "I had also contracted chicken pox, so there was a major query over whether I would even be allowed into the hospital for the birth."

Thankfully, he was, and as his son turns 15, Ben is also celebrating the anniversary of Cascade Engineering, a business that specialises in designing, modelling, analysing and certifying complex materials and structures for aerospace and marine projects.

It's a business that has been involved in some of the leading projects of their kind. "We were actively involved in the structural development and certification of sections of the Airbus A380 for GE Aviation" says Ben. "That led to other work with the company, including the A400M and the A350. Our Technical Director, Rob Harborne and I were Airbus delegated stress signatories for metallics and composites on the A350 wing programme for many years."

Cascade was an integral team member to the development of the Royal Navy's QEC Carrier, providing manufacturing support by conducting lifting and turning design and analysis, plus the design and development of equipment seats. The company has also worked on the composite mast of the Type 26 frigate, as part of a programme led by BAE Systems.

"Over 15 years, we've found more and more organisations are looking for an external pair of eyes, and an extra pair of hands for their critical projects" continues Ben. "It can be a challenge to find all the necessary expertise and resource internally and as project partners, we've been that extra pair of hands when the project needs it, securing the deadline and the budget, as well as the ultimate concept to market."

The business has developed key relationships with OEMs across the aerospace and marine sectors, and is planning to expand its expert offering into other sectors, including rail, nuclear and renewable energy markets.

"Our engineering and materials expertise means we can work across a wide range of projects," explains Rob Harborne. "Anything that has weight and performance restrictions driven by factors including speed, pressure or temperature is within our capability to design, model and certify. Over the past 15 years, we have given confidence to hundreds of projects, delivering reliable structural engineering solutions at various stages, from initial concept to refitting and upgrading."

Highlights and next steps

What have been the highlights so far?

"For us both," says Rob Harborne, "our first project to design the wing and fuselage pylons for the Boeing P-8A Poseidon Maritime Patrol Aircraft on behalf of GE Aviation has to be on the list, as it laid the foundation for the company, our long relationship with GE Aviation and all the success we have had supporting their subsequent flagship programmes. The project that stands out more recently is our design and development of the composite foremast for the Royal Navy Type 26 Frigate. This was a breakout project for Cascade as it cemented our position within the Marine sector."

Ben Barrass adds: "Latterly, our projects for QinetiQ GmbH have been important, as they have seen the company move into the European market, whilst also expanding our involvement to encompass the entire design development process on behalf of our customers."

And for the next 15 years? "We're looking forward to the future," says Ben. "As we see further advances in materials and performance demands, we expect to be at the forefront of cutting-edge projects that deliver on project expectations – including sustainability, which is becoming an increasingly important factor in our work."



Cascade Engineering, based in Camberley, Surrey, brings assurance to all or parts of complex engineering projects for national and international aerospace, naval and military organisations.

As part of a multi-disciplinary approach, Cascade partners with internal teams to work on the complete mechanical and structural design and development of projects, including test and certification. For 15 years, the company has been delivering the best solutions for complex project requirements, ready for manufacture and delivery.

<https://cascade-engineering.co.uk/>



European Springs and Pressings Ltd was first established in 1948, and in the years since we are proud to have become a market leader in the spring and high speed press technology industries. With a dynamic balance of cutting-edge facilities, experienced engineers and thoughtful customer service, it is with good reason that we are numbered among Europe's leading spring suppliers.

Alongside our dynamic spring manufacturing facilities in London and Cornwall, we are represented in Europe and Asia through various facilities, and being part of the Lesjöfors Group provides us with the capability to manufacture and distribute all forms of springs, pressings, stampings and wire forms across the world, with manufacturing or sales offices based in Europe, Korea, China, Thailand, Singapore, Mexico and the US.

We're proud to design, manufacture and supply a wide range of bespoke springs and wire pressings to the Aerospace and Defence industries. Our experienced technicians, using the latest CNC equipment, appreciate the importance of each high-quality functional component to deliver precision and guarantee safety. We understand the accuracy, durability and reliability that the industry demands, in order to withstand the immense pressures, extreme weather, and conditions the components must be able to withstand.



We are often tasked with manufacturing springs made from materials specifically suited for Aerospace applications — whether that is for next-generation airborne smart decoys, high-spec electrical connectors, the Eurofighter or many more. Our knowledge and expertise with superalloys, extremely adaptable materials that are used within high temperature applications and which offer excellent mechanical strength, good surface stability and resistance to creeping, has made us a respected Aerospace and Defence industries partner. With the sourcing of these materials becoming increasingly difficult in recent years, it is our policy at ESP to retain sufficient quantities of the materials in stock in order to ensure that we can meet our client's requirements when they need it.



We can create Inconel compression springs, which offer oxidation and corrosion resistance and retain their strength in high temperature applications, making it the superior choice over steel and aluminium. Other superalloys to choose from include Nimonic 90, composed of 50% nickel and 20% chromium with other composites such as titanium and aluminium.

Nimonic 90 offers very high performances in extreme heat and high pressure and is one of the greatest creep-resistant superalloys on the market.

We are also experienced at creating components for both the Aerospace and Defence industries using DEF 106, a hard drawn steel spring wire of the highest possible quality; BS S205, an austenitic chromium-nickel steel wire; and the corrosion-resistant Hastelloy Alloys, which are regularly employed in the chemical processing industries.



We specialise in the manufacture of a huge variety of high quality springs and metal components. Whether you need a spring manufacturer to supply a conventional spring type like a compression spring, tension spring, die spring, disc spring or torsion spring, or want the most unconventional and obscure spring clip or wire form you could possibly think of, you can rest assured that we are the supplier who will be able to produce exactly what you're looking for.

We also manufacture wire forms and pressings; unassuming components that are used in some of the most extreme and demanding industrial environments. Our expertise as a spring manufacturer enables us to further optimise our products using the latest technological advances. This proficiency has made European Springs and Pressings Ltd renowned among spring suppliers for being a service that is willing to embrace any challenge.

Our spring manufacturing facilities are capable of producing in excess of 3 million components an hour and all of our premises are equipped to support the diverse needs of our clients. As they operate within fields which include the Aerospace, Automotive, Defence, Domestic Appliance, Electronics, Hydraulics, Lighting, Medical, Nuclear, Pharmaceutical, Scientific and Telecommunication industries we're used to designing and delivering a wide array of bespoke products that meet client-specific requirements.



From manufacturing compression springs designed to withstand extreme temperatures during offshore drilling to bringing the designer's complex 3 dimensional vision literature springs for the next generation of airliners into manufactured reality, we pride ourselves on our ability to find innovative solutions for complex technical problems.

We can extend the capabilities of a bespoke manufacturing process for your convenience, and our in-house design service – complete with contemporary CAD CAM software and systems – means that we can help you to realise a comprehensive range of prototype ideas. These prototypes can be individually cut using precision lasers for R & D testing, or even put into full production following the assembly of your samples, so the scope of our manufacturing capabilities is impressive to say the least. Once your design is validated, our fully equipped tool room is available to design and build any necessary production tooling, assuring you of competitive pricing and consistent quality supply.

Our facilities have proved to be so successful due to the continuing policy of long-term investment that we employ. As well as procuring the most cutting-edge machinery for our facilities we continually adapt to incorporate innovative technologies and techniques as well and can boast one of the most experienced staff teams in the industry.

At European Springs and Pressings Ltd, client satisfaction is our highest priority - this is why we take our customer service so seriously.

If you're seeking a spring supplier then we urge you to get in touch [HERE](#). Our professional staff will always be pleased to hear from you, and every enquiry – no matter how large or small – is welcome.

Click [HERE](#) for the European Springs website

Connected Places Catapult

Today, we launch the Future of Air Mobility Accelerator in partnership with the Future Flight Challenge from [UK Research and Innovation](#).

We are looking for [#SMEs](#) to develop and scale new solutions and technologies for the [#aviation](#) sector.

The challenge areas for this Accelerator are:

- Data Driven Aviation
- Smart Airports
- Advanced Air Mobility

We will be working with [Plus X innovation hubs](#) to deliver this 6-month bespoke programme roadmap tailored to the SMEs requirements, including investment readiness, technology and product development support, alongside introductions to aviation stakeholders and potential customers.

Applications are now open!



Find out more about the programme and the challenge areas here: [The new Accelerator ready to take flight - Connected Places Catapult](#)



Farnborough College
of Technology

Can you help?



Farnborough College of Technology are looking for a decommissioned jet turbine engine for their apprenticeship training.



**If you can help, then please email
kim.yeomans@fac.org.uk**

Jacqui Sutton, Chief Customer Officer Rolls Royce & Women in Aviation and Aerospace Charter Co-Chair announced retirement

After more than 13 years with Rolls-Royce and around 30 years in the industry, Jacqui Sutton Chief Customer Officer, Rolls Royce and the Women in Aviation & Aerospace Charter Co-Chair has announced that she will be taking early retirement this month.

"This is a decision driven very much by the pandemic which has caused me to re-evaluate and seek a new chapter in my life. I have been truly honoured to serve as Co-Chair alongside Sumati and we will work closely together to identify an equally committed and passionate successor." Jacqui

During her time in the Charter role, Jacqui has made a huge contribution to the Charter supporting to redefine the strategy and vision as it has grown to become an organisation of more than 230 signatories. Jacqui has been a fantastic role model and inspiration and all at FAC would send her our congratulations for a stand out career, her hard work for the Charter and the very best for her retirement.

How air travel could look in 2030



Flying taxis, drone deliveries and short haul plane journeys powered by hydrogen or batteries sounds far-fetched. But they're not as far away as you might think.

UK Research and Innovation (UKRI), the UK's research and innovation agency, has set out its vision for the future of air travel in Britain.

The future flight vision and roadmap sets out how zero emission air travel within and between British cities could be commonplace within a decade.

It is compiled by leading experts from:

- industry
- academia
- government.





Lower congestion, lower emissions

One of the main elements of the roadmap is the use of hydrogen or electrically powered aircraft to provide short journeys for up to 10 people.

These vertical-take-off air taxis would:

- eliminate carbon emissions
- ease congestion in British cities
- reduce journey times for travellers.

The same is true of the increased use of drones for both delivering goods and emergency services. These will:

- provide rapid and convenient access to everyday goods and services
- support emergency services in undertaking complex inspections and operations.

Also in the roadmap are sustainably powered light aircraft to provide short regional flights, providing transportation between towns and cities.

These would then link in with the air transport within a city, allowing for a seamless, end to end travel experience.

Current developments

Hybrid electric light aircraft

The publication of the roadmap comes as aviation company Ampaire launches a week of hybrid electric light aircraft flight trials in the UK.

The company are part of the UKRI-funded Sustainable Aviation Test Environment project. They recently undertook a demonstration flight where one of their hybrid electric EEL aircrafts completed a 30-minute journey from the Orkney Isles to Wick in the north of Scotland.

World's smallest airport

In Coventry, as part of its 2021 City of Culture programme, the Air-One project is working on setting up the world's smallest airport.

This pop-up airport can be deployed in days, in an area 60% smaller than a standard helipad and with minimal impact on the environment.

The project, led by Urban-Airport and supported by Coventry City Council, is specifically designed to support electric vertical take-off vehicles.

Accessible, safe, sustainable transport

[Read the future flight vision and roadmap.](#)

Overview

The Emerging Skills Project has been created to identify and develop standalone units in the areas of industrial digitalisation, electrification, additive manufacturing and composites at levels 3, 4 or 5. Some of the units are awareness raising units (for example, units on "EV Vehicle Awareness" or "Introduction to Data Analysis and Machine Learning"), but most are to provide technical knowledge and skills to upskill employees in future capabilities (for example, "Design in Additive Manufacturing" or "Digital Transformation and Connectivity"). All of the units are aimed at technologies that will be valuable over the next 3 or 4 years giving employers the opportunity to take advantage of the commercial benefits they will bring. The project is being funded by the Department for Education which is why these units are also free to employers. Please contact us to get involved!

Progress

All the units have been set up on Eventbrite so employers/employees can register their interest for as many units as they wish. A central web site is currently being developed that will hold all the necessary information on the units and the relevant links to Eventbrite.

In the mean-time, if you'd like to see the units details please email neill.goodliffe@enginuity.org who will send you the relevant information. The web site will also be communicated through the regular Project Updates so please use the same email address if you'd like to receive these too.



Help to Grow your business

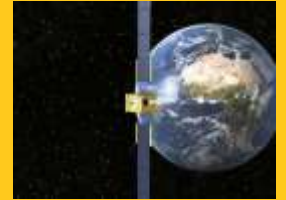
Take your business to the next level with Help to Grow.

Two government backed programmes designed to help you learn new skills, reach more customers and boost your profits.

Help to Grow: Management is an Executive Development programme accredited by the Small Business Charter. The 12-week practical curriculum offers 1:1 business mentor support throughout and includes modules on financial management, strategies for growth and innovation, and approaches to digital adoption. Book your space with a business school near you today.

Help to Grow: Digital is launching this Autumn. It will offer free and impartial advice on how technology can help your business. There's also a discount of up to 50% on the costs of approved software, worth up to £5,000.

For ALL the information, click [HERE](#)



UK to launch new Space Command

The United Kingdom is to set up a Space Command, with operations set to begin in 2021.

Announced by the Ministry of Defence (MoD) on 18 November 2020, the Space Command will lead on UK space operations, space workforce generation in terms of training and growth, and space capability in delivering space equipment programmes.

"[Space Command] will work alongside MoD's recently formed Space Directorate [as a] joint command structure," the MoD said. "The space domain is a growing capability across the globe and something that is critical to invest in, to remain a leading 21st century power."

In 2018 the RAF assumed command of all UK military space-based activities, taking over the role from Joint Forces Command (JFC), which is now known as Strategic Command (StratCom). At that time it was noted that JFC (now StratCom) would continue to be responsible for satellite communications and space-based intelligence, surveillance, and reconnaissance (ISR). The MoD told Janes that this new Space Command will once again be a joint unit, although it will be located at an as yet undisclosed Royal Air Force (RAF) station (probably RAF High Wycombe, which is currently home to the National Air and Space Operations Centre [NASOC]).

News of the new command came just a day after the chief of the RAF warned of the increasing threat posed in the space domain by the country's adversaries, noting that the UK needs to devote more resources to defending its critical space-based interests.

[Progressive Technology re-joins Farnborough Aerospace Consortium](#)



Newbury-based engineering company, Progressive Technology Group has re-joined Farnborough Aerospace Consortium (FAC) as the sector readies itself for a re-launch post-Covid.

SEE AND SHARE ▼



Recover and Rebuild

Keep your business alive and create a plan for recovery with 1-1 expert support

The impacts of both COVID-19 and Brexit have presented significant challenges for many businesses across the Solent.

This programme of support is to provide expert advice and support to get you through the coming months and years, build future resilience and start to lay the foundations for future growth.

Sign up [HERE](#)

Get more information [HERE](#)

Potential Exporters

Maximise your export potential with expert 1-1 support

Brexit has changed the way in which businesses think about importing and exporting both across the EU and to the rest of the world. You may already have international demand for your product or service, or perhaps you haven't explored the possibilities yet.

Through our Potential Exporters programme, we will provide the expertise to help you explore the possibilities or trading outside of the UK and develop a trade plan, which may require you to modify products and services for different markets.

Sign up [HERE](#)

Get more information [HERE](#)

Digital Accelerator

Transform your digital presence with 1-1 expert support

It is essential for businesses to embrace digital technologies in order to grow and be competitive in the modern world. From new ways of working and adopting new digitised processes, to engaging with customers using digital platforms, restrictions and changes in customer behaviours have triggered a digital surge amongst the business community.

Therefore, the Digital Accelerator Programme will support you in integrating "digital" throughout your business model.

Sign up [HERE](#)

Get more information [HERE](#)



The project is being funded by the Department for Education which is why these units are also free to employers. Please contact us to get involved!

Progress

All the units have been set up on Eventbrite so employers/employees can register their interest for as many units as they wish. A central web site is currently being developed that will hold all the necessary information on the units and the relevant links to Eventbrite. In the mean-time, if you'd like to see the units details please email neill.goodliffe@enginuity.org who will send you the relevant information. The web site will also be communicated through the regular Project Updates so please use the same email address if you'd like to receive these too.



Please see below a list of all the new and current funding opportunities available to you on behalf of Innovate UK.

Please check individual competition dates as they may have been extended.



[Driving the electric revolution: building talent for the future](#)

UK registered organisations can apply for a share of up to £250,000 for innovative skills, talent, and training projects for the power electronics, machines and drives (PEMD) industry.

[FIND OUT MORE AND APPLY >](#)

[ISCF future flight challenge phase three: Strand one](#)

UK registered businesses can apply for a share of up to £65 million to develop and demonstrate integrated aviation systems and new vehicle technologies.

[FIND OUT MORE AND APPLY >](#)

[APC 19: Developing automotive technologies and growing capability](#)

UK businesses can apply for a share of £25 million for late-stage research and development projects that help accelerate the UK towards a net zero automotive future.

[FIND OUT MORE AND APPLY >](#)

[Ofgem 2021: Zero emission transport: Discovery](#)

Organisations can apply for funding under the Ofgem Strategic Innovation Fund to deliver projects that offer value to energy consumers and society through energy network innovation.

[FIND OUT MORE AND APPLY >](#)

Click [HERE](#) for the FAC website



Please send in your latest news/events/product launch updates [HERE](#) and we can add you to the next edition of InterFACe.

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



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