

AEROSPACE WALES NEWS MARCH

2019



FEATURING:

- ▲ New Members
- ▲ Events & Exhibition Overview
- ▲ Upcoming Events
- ▲ Spotlight on Triton Group
- ▲ Brexit Support
- ▲ Industry Congratulations

Email: enquiries@aerospacewales.aero

www.aerospacewalesforum.com



WELCOME

Membership

Thank you for your continued membership and support for the Forum's activities. We now have over 160 member organisations and are continually striving to provide the best service to our members by promoting your company's capabilities, giving you access to events, networking opportunities and industry expertise.

We would welcome any influence from you with your supply chain and customers to encourage them to become a Forum member so that we can fully represent all the Aerospace activity in Wales. All organisations involved in the Aerospace sector that have a presence in Wales are eligible to become a full member. Organisations that are outside of Wales but would like to become involved can join the Forum as an Associate Member.

The membership year runs from 1st April to 31st March, pro rata rates will be calculated for joining mid-year. The membership rates are as follows:

Annual Membership Fees

No. of Employees	Annual Fee
1 – 100 Employees	£300
101 – 500 employees	£600
500+ employees	£1200

Annual Associate Members Fees

Organisations whose place of business is outside of Wales

No. of Employees	Annual Fee
1-250 Employees	£600
250+ Employees	£1200

To Join: Complete and return a **Membership Application Form** to us
<http://www.aerospacewalesforum.com/membership-fees/>

Dear Members,

Welcome to the first edition of the Aerospace Wales News for 2019. 2018 was a busy year with participation at over 25 national and international events and exhibitions where we were promoting our members capabilities, generating supply chain opportunities for our members and working with potential inward investors.

At many of the events we attend members stand share with us, and last year those companies achieved over £65 million in new contracts as a direct result of attending the shows. Therefore, we would encourage all members to take advantage of the subsidised packages we offer with Welsh Government to have a presence and promote your company.

The following pages highlight the shows we are attending, and if you would like any more details on how you could join us, please do get in touch.

In 2019 we will continue to build on the cluster partnerships we have established and we continue to forge especially close links with Ireland, with a number of events planned throughout the year. In a post Brexit environment it is important that we can find ways to trade with our closest neighbours, and building strong personal relationships will be key to achieving that. Why don't you join us at the Dublin Aviation Summit/MRO Leasing 14th & 15th May, where we can introduce you to the key players in Ireland and Northern Ireland.

We were delighted to have a huge number of new companies joining us post Farnborough last July and we welcome the following companies into full membership of the Forum:

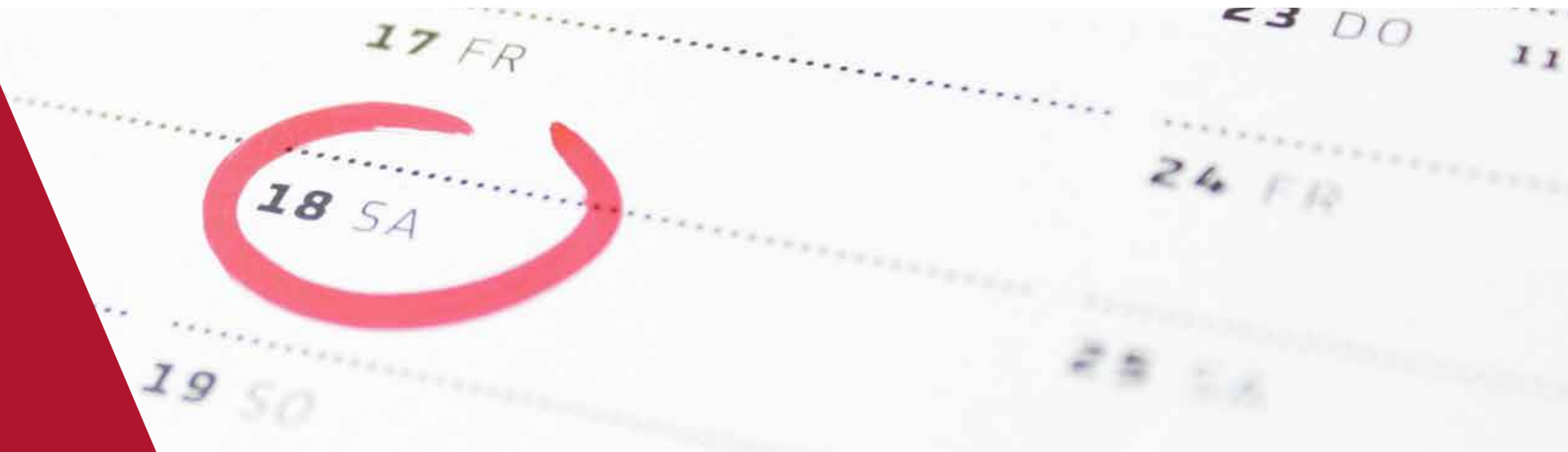
- ▲ Acorn Recruitment
- ▲ AerFin
- ▲ Arcanum Information Security Limited
- ▲ Axiom Process
- ▲ Candour Talent Limited
- ▲ Control 2K
- ▲ Curtiss Wright Surface Technologies
- ▲ Derichebourg Aviation & Energy Resources Limited
- ▲ Doncasters Blaenavon
- ▲ Ellison Marketing
- ▲ Enbarr Enterprises Limited
- ▲ Gardner Aerospace - Broughton
- ▲ Hugh James
- ▲ Hyde Aero Products Ltd
- ▲ IPS
- ▲ Jardine Norton Limited
- ▲ MSM Aerospace Fabricators
- ▲ Pentagon 2000 Software Inc
- ▲ Sitec
- ▲ Synergy Professions
- ▲ TLM Laser Ltd



If you would like to see your company, product or service featured in the next newsletter, please do get in touch with rachael@aerospacewales.aero

Rachael Blackburn, Operations Director
Aerospace Wales Forum Ltd

2019 CALENDAR



February 10th

MRO Middle East & Aircraft Interiors, Dubai,
10th -12th February 2019

February 20th

Aero India, Bengaluru, 20th -24th February

March 12th

Exhibiting at JEC World – 12th -15th March

March 26th

Doing Business with the US Department of Defence 26th - 28th March

March 28th

DPRTE, Farnborough International Conference Centre. Defence Procurement, Research, Technology & Exportability

April 2nd

Exhibit with Team Wales – AIX 2019
(Aircraft Cabin Interiors) 2nd – 4th April

April 9th

MRO Americas, Atlanta, 9th -11th April

April 16th

AEROMART Montreal, 16th -18th April

May 14th

MRO Global. Leasing MRO/Dublin Aviation Summit 14th – 15th May

May 28th

MRO Global. Airline MRO, London,
28th – 29th May

June 16th - 21st

Join us at the **Paris Air Show**, Le Bourget,
16th – 21st June

September 10th

DSEI, London, 10th – 13th September

September 11th

Fastener Exhibition and Conference,
NEC Birmingham, 11th to 12th

September 24th - 26th

UK Space Conference, Newport,
24th – 26th September.

Wales will play host to the 2019
Space Conference which is to be held at the
International Conference Centre

October 15th

MRO Europe, London, 15th – 17th October

February 2020

Singapore Airshow, 11th – 15th February.
Every two years, high-level government and
military delegations, as well as senior
corporate executives around the world
attend the Singapore Airshow to forge
partnerships and seal deals in this region.

NEW MEMBERS



Leading recruitment specialists

Established in 1992, Acorn is within the top 1% of the UK's leading recruitment agencies.

With over 40 branches, offices and onsite locations, both UK-wide and overseas, our specialist recruitment support places approximately 6,500 people into 1,200 different client companies every week.

Such a dynamic and fast-paced area requires the right people to be in the right roles, and we know that finding highly-skilled talent is a must in this continually developing sector.

Our specialist UK-based Aerospace & Defence division works closely alongside our parent company Synergie in supplying outstanding aerospace and defence recruitment solutions for permanent, temporary and contract roles. With proven experience in providing talented candidates, we're proud to supply blue and white collar personnel to some of the biggest manufacturers in the world, both in the UK and on an international scale.

Working closely with aircraft manufacturers, suppliers and co-contractors within the aviation industry, we place technical personnel and qualified engineers in the field; as well as IT, sales, finance and support professionals looking to develop a long-term, successful career in this thriving sector. Our rigorous selection and screening process means that you can be assured that you've chosen the right candidate for your role.

THINK PIECE: Brexit uncertainty motioned a turbulent year for the aerospace and defence (A&D) sector, and hope of additional sector investment and a Brexit deal securing millions of jobs faces an undetermined future.

With the A&D sector being one of the biggest industries within the UK and worldwide – coming in only second to the USA – the industry contributed a combined £57.1 billion to the UK economy in 2017, with growth forecast at 1.4% and 2.2% in 2019 and 2020, respectively.

Further strength was predicted, with Deloitte forecasting an increase of 4.1% over the next year for the global sector – double last year's growth of 2.1% – citing the recovery of the global gross



domestic product (GDP), stable commodity prices and heightened passenger travel as reasons for the increase in the aerospace sector. Such a dynamic and fast-paced industry requires the right people to be in the right roles, and our specialist Aerospace & Defence division works closely alongside our parent company Synergie to supply aerospace and defence recruitment solutions for permanent, temporary and contract roles.

The industry also contributes to the economy in terms of technology and innovation, through collaborative work and utilising other sectors, such as advanced engineers and digital and tech. Our clients tell us that government funding and investment, such as the UK Aerospace Research and Technology Programme, a £3.9 billion joint government and industry investment, has been instrumental in pushing this forward.

Innovations including the use of composite materials, biofuels and engine efficiency have also helped the UK lead the way in technology, while the development of augmented reality, an innovation in which information is layered on top of real life via mobile devices, could help boost the economy further and open the doors for more opportunities.

However, despite the fact it is a growing industry that has contributed a lot to the economy and made a number of technological advancements, we see our clients facing several challenges, such as the impending skills shortage and, of course, Brexit.

We also keep in mind the potential for a Brexit-driven skills shortage - with highly-skilled foreign workers leaving the country, we must prepare for the eventuality that there may not be enough specially-trained British workers able to fill the void.

Our clients are continuing to experience that not enough young people are studying STEM subjects, resulting in a void in the A&D sector when senior industry workers retire or leave the country.

The industry needs a proactive plan to steer young people towards this exciting sector. Working with educational institutions is a great start in promoting potential jobs to young people, and provides an ideal opportunity to encourage more female representation. Reassuringly, a 2018 report by WISE stated a 12% increase in the number of women in engineering professional occupations from 2017, with more than double the number there were 5 years ago and the jobseekers and candidates that we place reflect this trend.

Whilst it's great to see that a small number of companies have increased their apprenticeship or graduate intake – with 4,100 apprenticeships and graduates currently employed in the industry – we're still not at the level required to fill the gap. Without the necessary talent to ensure sustainability, where is the impetus for companies to stay within the UK if they can't find the quality of staff that they need?

The aerospace and defence sector in the UK has proven to be a great source of innovation, as well as a vital boost for the economy. It would be catastrophic to lose it, so we need to address these issues now, before it's too late.

NEW MEMBERS



Legal Solutions for Aerospace and Defence

Hugh James is a top 100 UK law firm, but we keep a personal, down-to-earth approach that's based on finding the right solutions for our client.

We provide expert legal advice to a very broad range of organisations and people, offering specialist transactional, advisory and litigation services. Aerospace and defence is a complex sector that requires legal advice from lawyers with experience across a range of disciplines. Our lawyers have experience working for and advising the Ministry of Defence including former service personnel. This has given us invaluable insight into the sector which means we are able to offer expert, high quality commercial advice to businesses operating in aerospace and defence.

Partner, Emily Powell, worked as a legal advisor at the Ministry of Defence. Her experience means she is well placed to provide advice to those in the defence sector on defence procurement, DEFCONS, single source contracting, EU procurement and state aid. Emily has a particular interest in public procurement and her experience includes advising the MoD on high-value and complex defence procurements, amendment of contracts subject to the procurement regime and the structuring and outcome of competitive procedures.

Partner Jon Fernandez Lewis is a highly experienced corporate and commercial lawyer who has advised on numerous substantial and complex transactions. For many years, Jon has advised Cardiff Airport on commercial matters including agreements relating to aircraft refuelling facilities and airport fire and rescue services.

We realise that businesses not only want lawyers who can give them expert legal advice but also truly understand the issues they face.

Our team can provide a full service to businesses in the aerospace and defence sector and our proactive approach means that we can help you solve problems before they occur.

We are offering all Aerospace Wales members, a free initial consultation.

Get in touch with us today on 029 20391038



Aerospace Wales welcomes Derichebourg Atis

Aéronautique as a member. For the last couple of years Team Wales has been building a relationship with Derichebourg Atis Aéronautique and this recently culminated in the company establishing an office in Saltney, Flintshire, close to Airbus Broughton.



During our trade mission to Toulouse Aerospace Wales CEO John Whalley took the opportunity to welcome Adrien Casteras, Derichebourg's UK Aviation Sales Manager, into Aerospace Wales.

For more than 20 years, Derichebourg has been recognised as one of Europe's leading aerospace subcontractors. Adrien joined us as part of the mission to Toulouse, an area with which he is very familiar, having been his previous patch.



ENBARR

Aerospace Wales visited Enbarr Enterprises in Queensferry, Flintshire. Vicki Roskams, Director of Enbarr is a long-standing member of our Space Group and has now joined the Forum as a full member.

Enbarr offer a full range of recruitment services and have a purpose built in-house training facility. Their experienced consultant team have experience supplying to over 300 local and 500 national clients. They deliver a bespoke Search and Selection service across numerous sectors.

The group has now established a new Social Enterprise company called Enbarr Foundation CIC to help support those most at risk in our communities with upskilling, and training in one to one interviews and CV workshops, plus basic skills analysis and training in sectors such as Aerospace, Manufacturing, Automotive and now Space to help with regeneration of the local area. At a time when key industries are facing skills shortages and yet many in our communities are struggling to overcome the barriers to employment, this exciting new development will play an important role in helping to bridge the gap.

NEW MEMBERS



A leading international manufacturer of finished machined components to the aerospace industry.

Gardner Aerospace -Broughton specialises in speed shop production – with lead time ranging from a few hours to a few days, offering customers fast solutions to their problems. For more information please see our website www.gardner-aerospace.com.



Samantha Brodie was appointed Site Director of Gardner Aerospace - Broughton in February 2018.

Samantha previously held the position of Finance Director for 2 years before taking the reins of the site and prior to that held a number of senior finance and business development roles in the Automotive sector. Sam brings her experience of process-driven operations to Gardner along with a keen focus on driving the site forward into its next phase.

Gareth Richards, Gardner Aerospace Business Development Director has also become an Ambassador for Aerospace Wales



Last year Gardner Aerospace agreed a new £90 million bi-lateral funding package with NatWest, enabling it to expand and acquire precision parts specialist Northern Aerospace (formerly CAV). Headquartered in Victory Park, Derby, Gardner has a number of manufacturing sites in the UK (Derby, Basildon, Broughton, Hull and Pershore) as well as an increasing global footprint that includes Poland, France, India and China. The acquisition of Northern Aerospace adds 600 employees and six further UK and Poland locations to their portfolio.



NEW MEMBERS



**Specialises in aircraft
aftermarket solutions**

AerFin Ltd specialises in aircraft aftermarket solutions, using an extensive inventory holding to support its airline and MRO customer base with quality used material to reduce maintenance costs, whilst maintaining the quality and integrity of the asset.



With a focus on regional Embraer E-Jets, as well as narrow-body Airbus and Boeing aircraft, AerFin's portfolio of services range from its fixed-cost, rotatable component programme, BeyondPool™, through to 24/7 AOG support from both its London and Singapore-based distribution centres.

AerFin's aftermarket solutions also include aircraft and engine leasing services, innovative material supply programs for MROs, and technical consultancy projects to lessors and operators. AerFin also provides engine disassembly services for CFM and Rolls-Royce engines from its 100,000sqft UK-based technical facility.

History of AerFin

AerFin began operations in 2010 at the peak of the international debt crisis that gripped aircraft lessors, airlines and investors, with the aim of drawing on the extensive technical and commercial knowledge within the team to maximise asset residual values in those difficult economic conditions.



AerFin has provided commercial, legal and technical consultancy projects for Original Equipment Manufacturers (OEMs), Lessors, Investors and Airlines since inception on projects including new engine selection for airlines, residual value analysis for Lessors, and asset remarketing and disassembly for owners and investors. In December 2014, CarVal Investors became a major shareholder in AerFin Holdings Ltd. AerFin and CarVal Investors have a common vision to establish AerFin as a leading global provider of aircraft, engine and component supply chain solutions. In September 2015, AerFin acquired the trade and assets of Airline Services Components Ltd to expand its portfolio of aircraft component solutions, from Wheel & Brake CPAL (cost per aircraft landing) and FHA programs, to component repair management and inventory pooling. Not only does this give AerFin a nose-to-tail solution for its customer base, but the acquisition also allows AerFin to support its global customer base of airlines and maintenance providers 24/7, 365 days a year.

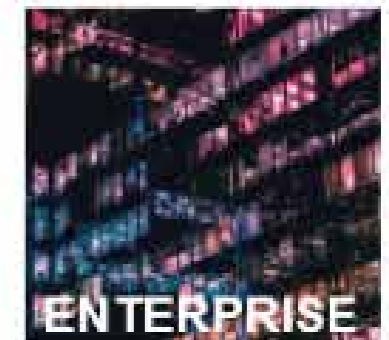
AerFin's Customer-base

AerFin's breadth of service offerings means that it can support an international customer base, including over 140 different airlines. AerFin also has strategic component supply agreements in-place with major MRO and OEMs facilities globally, helping these major corporations gain inventory supply-certainty for their own business operations. AerFin works closely with airlines as well as leasing and asset management businesses, helping them to manage the residual value risk exposure of distressed assets. This is best seen in AerFin's acquisition in 2017 of a full fleet of fifteen Embraer E170 aircraft from Saudi Arabian Airlines. This acquisition meant that AerFin had the largest stock of Embraer E-Jet inventory of any third-party corporation anywhere in the world. This large inventory-holding of Embraer equipment has enabled AerFin to offer its BeyondPool™ component supply pool program to the market, providing airlines with significant cost-savings. BeyondPool™ was launched with British Airways CityFlyer in 2017, with AerFin supporting the legacy airline's fleet of 21 Embraer E-Jet aircraft out of London Gatwick Airport. AerFin's, Beyond.Fleet.Services™, was also launched in September 2016 with Philippine Airlines (PAL). The engine-exchange program, which is a joint-venture (JV) with SR Technics, meant that PAL could avoid capital-intensive maintenance events, allowing for the continued economic operation of its fleet of Airbus A340 aircraft.

AerFin's Awards and Achievements

Last year, AerFin was named as the fastest-growing UK business by The Sunday Times Virgin Fast Track 100. The award ranks Britain's top 100 private companies with the fastest-growing sales over the last three years, with AerFin's sales growing by an average Annual Sales Rise of 231% to reach a turnover of USD \$82 million for 2016YE. This was the first time since the awards inception in 1997 that a Welsh firm has won the award. AerFin was also named in The Sunday Times HSBC International Track 200 as Britain's fastest-growing exporter in the UK. The award ranks Britain's mid-market private companies with the fastest-growing international sales, and AerFin averaged 663% sales growth over the past two years. This dual success was followed by AerFin becoming the first ever company to be crowned the FastGrowth 50 winner for two consecutive years. The FastGrowth50 is an initiative which ranks Wales' fastest growing for performance in numerous economic and financial segments. The company collected four awards in total: Fastest Growing Business 2017; Fastest Growth Mid to Large Enterprise 2017; Fastest Growth International 2017; and Fastest Growth B2B 2017. In April 2018, the Financial Times newspaper announced AerFin as the fastest-growing Aerospace and Defence company in Europe, as well as the 23rd fastest-growing company in Europe overall. The FT1000 list ranks European companies that have achieved the highest Compound Annual Growth Rate (CAGR) over the previous three fiscal years, with AerFin achieving a CAGR of 234%. AerFin's most recent success story has been its founder and CEO, Bob James' awarding of an OBE in the Queen's Birthday Honours List for services to exports in the aerospace industry. His innovative thinking and influence on the commercial aviation market has been fundamental in the record successes that AerFin has achieved to date, creating hundreds of jobs and attracting millions of dollars of overseas investment.

NEW MEMBERS



What do Arcanum do?

Arcanum provides Cyber Security Consultancy and Digital Forensics services delivered by our team of highly experienced and accredited experts. While we support clients across multiple sectors, our roots are in Defence.

About Arcanum

Arcanum have developed a deserved reputation for excellence in delivering services to MoD, Defence Primes and their supply chains since forming in 2008. This expertise is also applied to other sectors and is particularly relevant to the Aerospace industry. As a result, we are proud to be the first Company in Wales to be granted Certified Cyber Security Consultancy status by the National Cyber Security Centre. Further, our Digital Forensics Laboratory is the first operated by a Welsh Company (other than the Police) to achieve ISO 17025 as required by the Forensics Science Regulator.

About Our People

Our consultants tend to have front-line operational experience. As a result, they have the breadth and depth of skills and the wide experience to provide the proactive and tailored service demanded by our clients. They combine this practical experience with membership of the NCSC Certified Cyber Professional scheme and a wide range of other well-regarded professional certifications and qualifications.

We deliver cyber security consultancy to Defence Industry primes and subcontractors. We have worked on major defence programmes including Warrior and Scout SV; Type 23 Frigate, Astute Class and Successor submarines; A400M Atlas, Nimrod, drones and network-based aviation training systems, and a wide range of other, often classified, tasks.

Arcanum Digital Forensics

Our ISO 17025 accredited laboratory is also operated by staff with similar backgrounds to our cyber consultants. As well as being able to accommodate all of your Digital Forensics needs, we are also able to incorporate digital forensic core skills into other projects.

Our Services

- System Accreditation
- Risk Assessment and Risk Management
- Information Assurance Policies & Procedures
- Secure Architecture Design
- ISO 27001
- GDPR Compliance
- NIS Regulation Audits and Compliance
- Outsourced Data Protection Officer
- Digital Forensics

Call: 01558 669140 **Email:** sales@arcanum-cyber.com **Visit:** www.arcanum-cyber.com



EMPLOYER RECOGNITION SCHEME

SILVER AWARD

Proudly supporting those who serve.



TESTING OF AEROSPACE MATERIALS A first for Wales

R-TECH Materials, an award winning materials testing and consultancy business, is celebrating achieving Nadcap accreditation for the testing of non-metallic materials. This accreditation, a first for Wales opens the way for R-TECH to offer its well established testing services to the aerospace sector.

Nadcap accreditation is a requirement for entry into the safety-critical aerospace materials testing market. Nadcap assessors are industry specialists, applying the highest level of professional scrutiny to the test procedures and methods of approved laboratories. At the time of their assessment of R-TECH Materials, the Nadcap assessor commented on the quality of their test procedures, which were some of the best they had seen.

R-Tech Materials Managing Director, Dr Tony Franks acknowledges the achievement which the new Nadcap accreditation rewards: *"As a business we have invested in the latest testing equipment and software, and our well-qualified and experienced staff have worked hard to develop our testing capabilities to achieve this accreditation. We are delighted that this confirms our position as a significant player in the market for testing composite materials in the UK and Europe".*

R-Tech Materials Composites Manager, Dr Geraint Havard is enthusiastic about the opportunities that the Nadcap accreditation brings: *"The aerospace sector represents some 70% of the composites testing market. We already have a great reputation with our clients, for customer service and short turnaround times, and we know that we have the technical and commercial base to be a very competitive player. We are already speaking to aerospace clients about their requirements, and expect to see significant growth in the next couple of years".*

R-TECH Materials has over 15 years' experience as a UKAS accredited materials testing business, but has only been conducting accredited testing on polymer and composite materials since



R-TECH Materials has over 15 years' experience as a UKAS accredited materials testing business, but has only been conducting accredited testing on polymer and composite materials since 2012, when it moved into its current testing facility in Port Talbot, South Wales. Since its relocation, the laboratory has developed a particular specialisation in the independent accredited testing of polymers and composites. Its rigorous, reliable testing is used by clients to fully characterise their materials for product development, third party approval and quality control purposes.

Despite their relatively recent entry into the composites testing sector, R-TECH has quickly established its reputation, and the expertise of its staff is becoming widely recognised. R-Tech engineers sit on the ASTM and BSI standards committees for composites testing and they are used by Zwick Roell UK, the test machine manufacturer, to provide training courses on mechanical testing of composites to the industry.

With static test machine capacity ranging from 10kN to 1500kN, and dynamic (fatigue) test machine capacity from 100kN to 400kN, R-TECH can test everything from fibres the thickness of a human hair, to high strength components. R-TECH Materials' capability includes tensile, compression, flexure and shear properties of composite materials to a multitude of ISO, ASTM and other standards in its fully conditioned composites test laboratory. Tests can also be performed at controlled temperatures between -70°C and +250°C, which is a particular requirement for the aerospace sector. Pre-conditioning of samples is also available where required.

Having in-house laminate manufacturing and machining facilities, R-TECH is a one stop shop for composites testing needs. R-TECH can offer laminate manufacturing facilities, from the traditional wet layup of fibreglass, to vacuum infusion of carbon fibre. The quality of sample preparation and machining is critical to achieving the most accurate test results for clients' materials and this can all be done under one roof.

The business' testing activities is complemented by an expert materials consultancy arm also part of the group. Using its state-of-the-art equipment, including optical and electron microscopy, R-Tech's team of highly qualified engineers, materials scientists and chemists, offer laboratory-based materials investigations, including solving processing issues, determining the root cause of failed components or assisting clients with reverse engineering of components. The R-TECH team, many of whom have strong research backgrounds are also at home handling research and development contracts, whether for single clients or with multiple partners.

R-TECH has long-standing relationships with Welsh universities, and has a track record of sponsoring and recruiting research students, to keep itself at the forefront of materials technology. The synergy between its testing and consultancy businesses and academic research has enabled R-TECH to service clients in a number of sectors including nuclear, automotive, marine, petrochemical, oil and gas, conventional power and construction. With their recent Nadcap accreditation, R-TECH is now looking forward to applying its knowledge and expertise to the aerospace industry also.

With a business philosophy based on the values of technical expertise, excellent customer service and employee satisfaction, R-TECH is certainly not resting on its laurels. It's currently planning to gain nuclear industry recognition under the Fit4Nuclear scheme early in 2019, and will be the first test laboratory to do so. The future certainly looks bright for R-TECH as they continue to cement their reputation of one of the UK's leading test laboratories.



THE DENNISON ADVANCED MATERIALS CENTRE

October saw the launch of the Dennison Advanced Materials Centre at Coleg Gwent in Ebbw Vale, South Wales. Welsh Government's Economy Secretary, Ken Skates, officially opened the new centre at a ceremony attended by representatives of several leading aerospace and aviation companies including British Airways, GKN Aerospace and Safran Seats GB.



The centre is named after Jon Dennison, a great friend of Aerospace Wales, who sadly died in 2015. Jon, the former Government Liaison Director at GKN Aerospace, had a vision of creating a 'Composites Corridor' in South Wales. His main aim was to train those based in South Wales with the sector expertise, focusing on young adults from disadvantaged backgrounds to realise their potential.

The College will introduce the first Advanced Composites Apprenticeship course in Wales which students can study from January 2019 in the new centre, which consists of four classrooms.

The composites sector is widely regarded as having huge growth potential; currently, the composites sector in Wales stands at £2.3 billion but has the potential to grow to £12 billion by 2030.

Forum Members Meetings



Members' meetings were held in the latter half of last year in both North and South Wales. Big thank you to our hosts Raytheon and Hugh James for making us most welcome and for their generous hospitality.

The North Wales Aerospace Wales members' meeting was hosted at the Raytheon UK facility at Broughton. A diverse agenda included an introduction to Raytheon and supply chain opportunities, do's and don'ts of doing business with MoD, Reserve Forces and Cadets, proposals for a Safran Seats GB shared research facility in Cwmbran and UK Government advice on what's happening on Brexit from an aerospace point of view.

The last item provoked a great deal of robust discussion as for many companies in the aerospace and aviation sector the impact of Brexit has already arrived and is well beyond the debating stage.

For the South Wales meeting Aerospace Wales and the Wales Automotive Forum joined forces and held a joint members meeting on Brexit planning. The meeting, hosted by Hugh James in their new offices overlooking Cardiff Central, included guest speakers Nigel Pargiter, Head of the Aerospace Brexit Team at BEIS & Deb Harding & Jo Banks from the Welsh Government's EU Transition & Strategy team.



BREXIT

Aerospace Wales has organised a number of events over recent months focusing on Brexit and the implications for our members.

Member company Solvay hosted an extremely useful and informative workshop at their facility in Wrexham.

The event featured excellent presentations by Andy Rimmer of Solvay and James Southwood of Kintetsu World Express. Both companies are well advanced in their planning and implementation of their Brexit plans. Seen at today's event are (L-R) Gareth Richards, Chris Doran (Gardner Aerospace), Andy Rimmer & Ben Moore (Solvay), John Whalley & Rachael Blackburn (Aerospace Wales), Richard Williams (Qioptiq) and James Southwood Kintetsu World Express.



The issues facing the aviation and aerospace sectors arising from Brexit are now well understood and various agencies including the CAA, EASA, HMRC, ADS and the British Chambers of Commerce have published helpful guidelines, both specific to our sectors and also of a more general nature. There remains concern that many companies have not yet engaged in any scenario planning for Brexit.

The Minister for Economy and Transport, Ken Skates, is urging businesses to take advantage of the package of measures that have been put in place to ensure that you are well prepared regardless of what the outcome on the 29th March will be. Feedback suggests that many companies are still ill-prepared for Brexit. There are resources available to help including the ADS Brexit Hub, a Business Wales Brexit portal with a self-analysis questionnaire and our colleagues at the UK Government's BEIS team and Welsh Government. The latter has just announced a fund to help companies with financing their Brexit preparation. As well as general issues facing all companies, aerospace and aviation face specific issues around EASA and CAA certification. Companies such as Nordam and Aerocare, who were at the meeting, are already wrestling with these issues and were able to share their experience with other attendees. Last month we heard about the preparations of Solvay and KWE. Collectively we are here to help.

Ken Skates AC/AM
Gweinidog yr Economi a Thrafnidiaeth
Minister for Economy and Transport



Llywodraeth Cymru
Welsh Government

15 January 2019

Dear colleague

Brexit: We Need to Get Ready

Ahead of today's vote in the House of Commons and the potential defeat of the Prime Minister's proposed withdrawal agreement, there is a very real and urgent need for all businesses in Wales to prepare for Brexit including the now increased possibility of a no-deal outcome.

Alongside the First Minister, I am absolutely committed to doing everything I can to support you and your business with your preparations. I want to reassure you that as a Welsh Government, we continue to take responsible and proactive steps to plan and prepare including putting contingencies in place in the event of a no-deal.

I also want to re-iterate the package of measures that I have already put in place to help with your business critical preparations. If you haven't already done so, I would strongly urge you to:

- Visit the **Business Wales Brexit Portal** <https://businesswales.gov.wales/brexit> or contact Business Wales which provides information, advice and support by calling the Business Wales helpline on **03000 6 03000**;
- Complete a **Brexit self-assessment toolkit** where you can assess your readiness in a number of business critical areas <https://businesswales.gov.wales/brexit/brexit-toolkit>;
- Consider applying to the **Brexit Resilience Fund** which I have established to support businesses such as yours help meet the costs of adapting to the changes in a post-Brexit Welsh economy <https://businesswales.gov.wales/brexit/support/brexit-resilience-fund>.

With only 73 days to go, time is now very much of the essence. We need to plan, adjust and innovate to make sure that businesses in Wales are well prepared regardless of what the outcome on the 29th March will be.

Yours sincerely

Ken Skates AC/AM
Gweinidog yr Economi a Thrafnidiaeth / Minister for Economy and Transport

Canolfan Cywilt Cyntaf / First Point of Contact Centre:
0300 0604400

Bae Caerdydd • Cardiff Bay
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CF99 1NA

Gohebiaeth.Ken.Skates@llyw.cymru
Correspondence.Ken.Skates@gov.wales

Rydym yn croesawu derbyn gohebiaeth yn Gymraeg. Byddwn yn ateb gohebiaeth a dderbynnir yn Gymraeg yn Gymraeg ac ni fydd gohebu yn Gymraeg yn arwain at oedi.

We welcome receiving correspondence in Welsh. Any correspondence received in Welsh will be answered in Welsh and corresponding in Welsh will not lead to a delay in responding.

ADVANCED MANUFACTURING RESEARCH INSTITUTE

At Farnborough Airshow the announcement was made that Aerospace Wales member DECA Sealand would be the site of the next phase of the Advanced Manufacturing Research Institute in North Wales.

Economy Secretary Ken Skates has said the Welsh Government has made significant progress in its plans to establish a second Advanced Manufacturing and Research Institute (AMRI) in North Wales. The Economy Secretary confirmed that following a meeting the Deeside Enterprise Zone, the Welsh Government has declared its intention to work with the Enterprise Zone Board and the Ministry of Defence led by the Defence Electronics and Components Agency (DECA), to develop a proposal that would see Wales' second AMRI situated on MOD land adjacent to the Deeside Industrial Park Interchange.



Following hot on the heels of the DECA AMRI announcement at Farnborough, Lockheed Martin have confirmed their intention to establish an operation in north Wales as part of a £38m investment plan. It will be set up at the proposed Advanced Manufacturing and Research Institute (AMRI) adjacent to DECA Sealand, Flintshire.

Meanwhile, the initial multi million pound Advanced Manufacturing Research Institute begins to take shape in Broughton. Member company, the University of Sheffield Advanced Manufacturing Research Centre has worked with Deeside Enterprise Zone Advisory Board, Swansea University, and Coleg Cambria to develop the new Institute in conjunction with Airbus and other companies. The Welsh Government is investing £20m in the new institute which will have a strong focus on

advanced manufacturing sectors including aerospace, automotive, nuclear and food. The construction of the building, which is due to be completed, with the anchor tenant, Airbus, operational by September.

Aerospace Wales are working closely with the partners involved in the project and will be engaging with our members on the opportunities the facility will provide for the wider business community.



Is an exciting new company looking to locate in Wales



Aerospace Wales arranged a supply chain workshop in November to brief our members on potential supply chain opportunities and for SAMAD to hold initial discussions with interested companies.



The SAMAD range will include three aircraft types: 'Starling 150A UAV' – a large, 150 kg (MTOW), electric VTOL unmanned aerial vehicle; 'e-Starling' – a 3,250 kg / 7,000 lb (MTOW) electric aircraft with full VTOL capability carrying up to four passengers and 'Starling Jet' – a hybrid-electric, VTOL passenger aircraft, which will be a slightly larger version of the 'e-Starling' with a higher cruising speed and greater range.

Venture-capital-funded SAMAD aims to test fly a full-scale prototype of the UAV Starling soon and test fly a full-scale Starling Jet in 2021. The worldwide 'general aviation' market (which excludes military aircraft and scheduled passenger jets) generated \$20 billion new sales in 2016 and totalled 2,262 aircraft deliveries. SAMAD Aerospace expects to take market share in both the executive helicopter and business jet sectors.

TOYOTA LEAN MANUFACTURING

Companies in the Advanced Materials & Manufacturing sector in Wales can learn about Lean Management through the Welsh Government's support for participation in the Toyota Lean Management Programme, delivered by Toyota.



The programme includes Lean Start and Lean Project. Lean Start is a 1 ½ days workshop at Toyota Deeside, with a follow-up ½ day onsite visit by Toyota engineers. Lean Project is an automatic follow-on to Lean Start. Companies receive 3 days of diagnostic support from Toyota engineers to identify opportunities to implement improvements. The Welsh Government will fully fund the cost of Lean Project.

In September we arranged for an Aerospace cohort to attend with members Airbus, eCube Solutions and Triumph Actuation & Motion Control Systems, together with Tenneco Walker of the Welsh Automotive Forum

Participants enjoyed an excellent overview of The Toyota Production System supplemented by workshop exercises and frequent "Gemba" visits to the engine production line.

IRELAND

Aerospace Wales continues to develop a strong working relationship with the key players in Ireland.

We attended the Dublin Aviation Summit supported by Kathryn Hallett and Gareth Thomas from the Welsh Government.

Kathryn is Country Manager, Trade and Inward Investment, Ireland and is based at the British Embassy in Dublin. Gareth is with the Advanced Materials and Manufacturing team and works closely with the Forum on a range of aerospace activity. Member companies at the show included Vaayu, eCube Solutions, AerFin, MPI Aviation and Willis Asset Management. It was a chance to catch up with members and friends of the Emerald Aero Group including Gerry Reynolds, Chairman of EAG and MD of Takumi Precision Engineering, Ciaran Downes, Engineering Director of Key Plastics and Fergus Woods, Head of APU Services at Dublin Aviation. Northern Ireland also brought a group of companies which were grouped on the Invest Northern Ireland stand. We also met up with Leslie Orr of ADS, Kelly Murphy of Invest Northern Ireland and Sean Long of Enterprise Ireland. This was the second year of the show and it is clearly growing. Although still small compared with some of the longer established events, our members were of the view that the contacts made there were of very high quality.



In December Aerospace Wales attended Enterprise Ireland's annual aerospace and aviation supply chain event in Dublin where our CEO, John Whalley, addressed the event, held at East Point, Dublin. He was joined by representatives of several other cluster organisations, including ADS Northern Ireland, North West Aerospace Alliance, Isle of Man Aerospace Cluster and the Aero Innovation Cluster. Our friends from the Emerald Aero Group and the Shannon International Aviation Services also presented at the conference. Companies presenting included Boeing, Bombardier and Triumph Group. There was also a guest appearance by the Hamburg Centre of Aviation Training.

We are in the midst of planning a visit to Wales by a group of Irish companies this March and we will again be taking a stand at the Dublin Aviation Summit in May 2019. Emerald Aero Group are planning to be co-located with ADS and Aerospace Wales, at the Aircraft Interiors Expo in Hamburg in April 2019.

TOULOUSE

In October Aerospace Wales visited ADS in Toulouse taking a trade mission of 13 Welsh companies.

Toulouse is one of the aviation capitals of the world and home to multiple final assembly lines (FAL) for Airbus. The group visited the A350 FAL, the new smart 4.0 Latécoère plant at Toulouse-Montredon and the ADS Toulouse Bureau.

ADS Toulouse SARL was established in 1999 to assist UK companies wishing to raise their profile and access business opportunities in the French Aeronautics, Space, Defence and embedded systems markets. Toulouse is the global headquarters for Airbus and a gateway into the Aerospace Valley Cluster. Aerospace Wales met separately with Thilo Schönfeld of Aerospace Valley to discuss potential collaboration.

The party was accompanied by Welsh Government minister, Ken Skates. He joined our CEO and the British Ambassador to France, Lord Llewellyn, in a working lunch with senior executives of Airbus with a forthright business discussion on a range of topics including Brexit.



The delegation were given a presentation on the A220 programme by Klaus Richter, Chief Procurement Officer of Airbus. In the evening the group attended the ADS Toulouse reception where there was an opportunity to meet UK members of the bureau, including Magellan, Gardner, Hyde and GKN and local French companies. The initial feedback from the delegates is highly positive. Craig Turnbull, Electroimpact and Giorgia Cacace, Hexigone are seen in front of our banner at the reception. Electroimpact have set up a subsidiary in Toulouse and coming the other way Derichebourg have opened an office in Saltney.

Aerospace Wales signed up to the Women in Aviation and Aerospace Charter at the Farnborough Airshow this year and we were thrilled that the Toulouse trade mission included 40% participation by women. They are pictured here, at the ADS Toulouse Bureau, with Lord Edward Llewellyn, British Ambassador to France and Ken Skates, Cabinet Secretary for Economy and Transport in the Welsh Government.

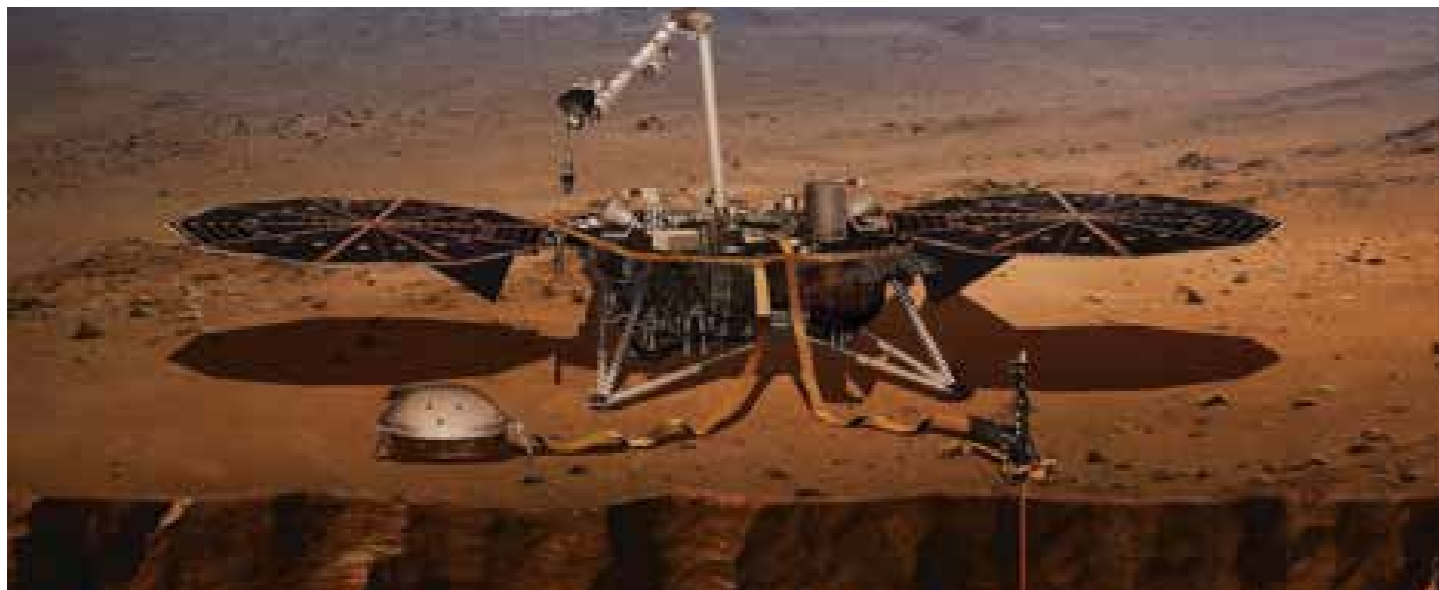


SPACE ACTIVITY

SPECTRUM TECHNOLOGIES MAKES ITS MARK ON MARS

On 26 November 2018 the NASA Mars InSight spacecraft started its dramatic descent toward the Martian surface. After separating from the cruise stage it entered the upper Martian atmosphere at a height of 80 miles and a speed of 12,300 mph (5.5 kilometers per second). As it slowed down during its descent the probe's protective Aeroshell reached temperatures of 2,700°F (1,500°C). At an altitude of 36,500 feet (11 km) and a speed of 861 mph its parachute deployed, slowing it to 134 mph before it fired its landing rockets at a height of 3,600 feet (1.1km) to land at a gentle 5 mph (2 m/s). At approximately 19:53 UTC, mission control received a signal that the spacecraft had successfully touched down at Elysium Planitia.

Aerospace Wales member, Spectrum Technologies Ltd, world leader in laser wire and cable processing technology, is delighted to announce that Lockheed Martin Space used its Spectrum Nova laser wire marking equipment to process and identify all the wiring in the manufacture of the complex electrical wiring system for NASA Jet Propulsion Laboratory's (NASA JPL) Mars InSight lander.



Spectrum supplied Lockheed Martin Space in Denver, CO with a fully automated Nova 820 UV laser wire marking system in 2014. This is used in the initial stages of electrical harness production to laser mark, measure and cut wires to length. Apart from using the equipment for the InSight program, Lockheed utilise the equipment for many other different programs including the wiring produced for the Kennedy Space Center for the Orion program.

The Nova 800 product range was specifically designed for complex aerospace wire harness manufacturing applications. Since the company was founded in 1989 Spectrum has supplied almost 1000 laser wire marking systems to over 50 countries, making it unquestionably the world market leader in the development, manufacture and supply of UV laser wire marking equipment. The company has 190109 - Mars InSight marked by ST (LMEEdits) 2/2 supplied all of the biggest names in commercial and military aerospace worldwide. In late 2016 Spectrum introduced the new updated 6th generation Nova 800i series laser wire markers.

InSight (Interior Exploration using Seismic Investigations, Geodesy and Heat Transport) is NASA's latest Mars lander which is designed to explore the deep interior of Mars. Lockheed Martin is the InSight prime contractor responsible for the complete spacecraft system. Following landing, the mission will survey the surrounding area and deploy the mission critical instruments. It will then begin its mission of observing Mars, which is planned to last for two years.

Dr. Peter Dickinson, CEO at Spectrum, said: "We may only have played a small part in this interplanetary project but I and all the team at Spectrum are exceptionally proud and excited to be associated with the Mars InSight program. InSight is truly leading edge and we look forward with anticipation to seeing what new knowledge it turns up while it explores Mars and its deep interior."

BALLOON TEST

The first balloon launch test has taken place at member company Snowdonia Aerospace Centre, Llanbedr, in the Snowdonia Enterprise Zone.



B2Space uses the facilities and infrastructure at the airfield to collect key data that will contribute to analysing the viability of B2Space operations in the area's bid to create a spaceport.

B2Space is looking to be the first company to provide consistent and reliable low-cost access for small satellites. The B2Space system itself is an improvement on an original design first proposed in the 1950s with new developments in micro-electronics and designs making the concept now viable. The system comprises a

stratospheric balloon with a self-operative platform from which the launcher is deployed.

UAV Show, Bordeaux

Aerospace Wales presented at the show which included two days of exhibition and conference/workshop sessions and one day of demonstration flying.

The UK's Department for International Trade (DIT) pulled together a workshop entitled "Opportunit  s au Royaume-Uni pour les drones, focus sur le secteur de l'  olien en mer et le Pays de Galles" (Opportunities in the UK for drones, focus on the offshore wind sector and Wales).

John Whalley, our CEO, presented on our UAV test and evaluation capability in Wales centred on Aberporth (West Wales UAV Centre) and Llanbedr (Snowdonia Aerospace Centre) and our innovation ecosystem in Wales including renewable energy and capabilities in analysis of environmental, agricultural and maritime data.

Pictured here are Mia Barclay, Senior Trade Adviser, Renewable Energy Sector (DIT Bordeaux), Nicolas Martin (Bordeaux Technowest), Sophie Casenave, Renewables Trade & Investment Leader, DIT (British Embassy, Paris), Anne-Lise Scaillierez (ARPAS UK Director), John Whalley and Alicia Green (Renewable UK).



UK SPACE CONFERENCE

24 - 26 SEPT 2019

24 - 26 SEPT 2019

International Convention Centre (ICC) Wales
Established as the most influential event for space in the UK



Inspace

Aerospace Wales sponsored the latest Inspace meeting at Pontio, Bangor. Jo Hinchliffe (Indycube Connector) and Rachael Blackburn (Operations Director, Aerospace Wales) are seen at the event, the third in a series of open forum space related workshops. This event kicked off with a presentation about the Aerospace Wales sponsored project to install a SatNOGS satellite ground-station at Bangor University, and also some of the story of the

SatNOGS project as part of the Libre Space Foundation.

The SatNOGS project is a free software and open source hardware platform aimed to create a satellite ground station network, built from readily available and affordable tools and resources. The scope of the project is to create a full stack of open technologies based on open standards, and the construction of a full ground station as a showcase of the stack. SatNOGS provides a robust platform for tracking and listening to Low Earth Orbit (LEO) satellites.

High Tech Snowdonia launch, Snowdonia Aerospace Centre

60 guests packed into the board room of SAC, and were addressed by our CEO, John Whalley on the opportunities for Llanbedr to be a centre of excellence for test and evaluation of new aircraft concepts, drones and spaceflight technology. Lisa Francis and Oliver Harvey established the High Tech Snowdonia business forum to campaign for jobs and investment in Gwynedd.

By developing new space, aeronautics and clean energy technologies, the campaign aims to transform the economy in North West Wales into a high tech hub. Pictured here are Oliver Harvey(left) and Lisa Francis, co-founders of High Tech Snowdonia together with Professor Richard Parry-Jones and John Whalley (right). Richard is the former Group Vice-President-Global Product Development, Chief Technical Officer and Head of Global R&D Operations at the Ford Motor Company. He later served as chair of Network Rail and is now chair of the Wales Automotive Forum which works closely with Aerospace Wales in areas such as urban mobility, electrification and autonomy.



EXHIBITIONS

MRO EUROPE

October saw the annual Aviation Week MRO Europe conference and exhibition taking place at RAI Amsterdam.

The global MRO market is in rude health, with expenditure forecast to grow by around 4.5% over the next decade, faster than the rate of global fleet growth (predicted at well over 3%) over the same period, according to forecasts from two analysts.



Joost Groenenboom of ICF International told conference delegates he expects the global MRO market to grow by 4.6% per annum to \$118 billion by 2027, up from \$75.5 billion in 2017. Wyman's David Stewart pointed out that engine maintenance work will largely drive western Europe's MRO growth, which he said would rise annually by 3%.

Team Wales had a strong presence there with Welsh Government, Aerospace Wales and member companies Cardiff University School of Engineering, Cottam & Brookes, eCube Solutions, GJD Aerotech, PPA Group, Spectrum Technologies and Vaayu Aviation Capital & Leasing.

Seen on our stand are members of the support team, fielding enquiries about investment and trade opportunities in Wales and signposting other Wales based companies not attending the show. Each of the member companies on the stand had its own pod and reported brisk business during the two day show.

FARNBOROUGH

Team Wales, once again had a commanding presence at Farnborough International Airshow, our most prominent show of the year, and the busiest Farnborough we have ever experienced.

The 2018 Farnborough International Airshow saw a total of US\$192bn in deals, up by \$67.5bn on the 2016 Airshow.

More than 1,400 commercial aircraft were ordered at the show valued at \$154bn More than 1,432 engines were ordered worth \$21.96bn

Coming 37 weeks before Brexit, the show attracted its most global attendance ever with around 100 countries in attendance and record Chinese presence. There was also a rise in trade visitors of nearly ten percent compared to previous years, more than 80,000 visitors passed through the gates. On the Wales stand seven of our member companies exhibited alongside us - Faun Trackway, Trittech, Aerocare Aviation Services, DECA Sealand, Consort Precision Diamond, Denis Ferranti Group and LMG Solutions and on the Tuesday we welcomed a further 13 member organisations on a one day mission to the show.

All our stand sharers experienced a hugely successfully show, resulting in £15 million in deals accomplished during the week and introductions to key Government figures and key industry personnel.



The stand held an extremely well attended networking reception, hosted by Welsh Government's Director General Andrew Slade

EXHIBITIONS

FARNBOROUGH INTERNATIONAL AIRSHOW

As part of the Québec Trade Mission to the Farnborough International Airshow, Aéro Montréal, Québec's aerospace cluster, has signed a collaboration agreement with Aerospace Wales. This agreement is designed to foster the development of commercial links between the two aerospace clusters. Aerospace Wales and Aéro Montréal will work together to identify business opportunities in their respective ecosystems that could be of interest to companies located in Wales or Québec.



Cabinet Secretary for the Economy, Ken Skates joined us at the show and met with our exhibitors.

As did the First Minister, Carwyn Jones



Byron Davies, UK Government Champion for General Aviation visited Aerospace Wales as did Chris Grayling, Secretary of State for Transport, we also received a visit from Andy McDonald MP, Shadow SoS for Transport, earlier in the day. Byron Davies will lead important research and engage with fliers to identify a network of strategically important airfields to help the general aviation sector develop and will deliver a report on the value of general aviation to the economy.

Also seen in the photograph are James Davies (Exec Chair of Industry Wales), John Whalley & Rachael Blackburn (Aerospace Wales), Dr Sarah Martin (Director, Campaign for Science & Engineering), Iain Willox and Elaine Choules (Welsh Government), Helen Swift (Airbus & Aerospace Wales Ambassador) and Dickie Davis (Deputy Director, Advanced Materials & Manufacturing, Welsh Government).



Aerospace Wales held a number of meetings during the week, promoting members capabilities and looking at areas of potential collaboration. Here we are seen with Anna Dil and Sarah Martin of CaSE and Helen Swift from Airbus.



Whilst at Farnborough Aerospace Wales signed the Women in Aviation and Aerospace Charter. The Charter reflects the aspiration to see gender balance at all levels across aviation and aerospace. A balanced workforce is good for business – it is good for customers and consumers, for profitability and workplace culture, and is increasingly attractive for investors. In an industry that needs the very best of talent we encourage all our member companies and stakeholders to get behind this initiative.

SPOTLIGHT ON

KIMBERLEY COLDWELL



Who are Tritech?

Founded in 1982 as a centre of excellence for the manufacturing of complex investment castings, The Tritech Group has evolved into an organisation that provides a full range of advanced and integrated manufacturing solutions.

Tritech Group encompasses 8 manufacturing facilities across the globe, offering single point supply to Aerospace, Defence and related industries by utilising over 35 years of manufacturing expertise in Investment Casting, CAD Modelling, Prototyping and a state of the art CNC Machining Division that accommodates all aspects of treatments, testing, assembly and kitting.

The Groups latest acquisition is a well-established UK composite organisation that offers manufacturing of components from Carbon fibre, Glass fibre and Aramids.

As a supplier into some of the world's most dominant brands of the Defence and Aerospace sectors, Tritech Group have forged strong and lasting partnerships built on superior quality and total reliability when it comes to investment casting and added value capabilities



What is your role within the company?

I am responsible for the Marketing of Tritech Group's expansive range of services and capabilities including organisation of events and exhibitions.

My role also encompasses Industry Analysis, Project Introduction the Development of new Business to support the strategic growth of the Group.

Why did you attend Farnborough Airshow?

Farnborough Air Show is an important event in the calendar, providing the most diverse range of exhibitors from core sectors of the aerospace industry.

Our attendance allowed us the opportunity to showcase our services and capabilities to both new and existing customers and Tritech's affiliations with Aerospace Wales & Welsh Government ensured us a fantastic rate compared to stand alone exhibiting costs.

What were you promoting at Farnborough?

Our attendance at Farnborough focused on the latest addition to our family of vacuum furnaces.

The third vacuum furnace is installed at our Wrexham facility, a fully commissioned Retech Model EQ50kg 650/850 offering high quality cast components from a comprehensive range of air melted materials and vacuum melted super alloys.

With a melt temperature up to 1700°C and capacity up to 50kg (higher is possible by special arrangement) with maximum mould dia in excess of 650mm & maximum mould height in excess of 860mm, this impressive capability supports our position as manufacturing leaders of Aerospace & Defence components to some of the biggest industry giants.



How successful was Farnborough for Tritech Group?

The excellent location and design of the stand allowed great footfall throughout the week and the opportunity to meet with both new and existing customers.

We held many successful meetings during the event and identified significant opportunities valued at £5m +. The Business Development Team are now liaising with contacts made to progress sales orders in the various customer markets.

Would you go again with Wales?

Absolutely! The support received from both Aerospace Wales & Welsh Government is invaluable to the growth of our business. I cannot recommend the uptake of membership highly enough.

Tritech Group,

Bridge Road North, Wrexham Industrial Estate, Wrexham, LL13 9PS

Tel: +44 (0) 1978 661 111

Email: sales@tritechgroup.co.uk

www.tritechgroup.co.uk

WOMEN IN AVIATION

WOMEN IN AVIATION AND AEROSPACE CHARTER

A pledge for gender balance
across aviation and aerospace

The UK's aviation and aerospace sectors are making a commitment to work together to build a more balanced and fair industry for women by launching a Charter for Women.

The Department for Business, Energy and Industrial Strategy and the Department for Transport welcomes the initiative that recognises more needs to be done to greater enhance the gender balance in the sectors. Organisations that sign up to this Charter are committing to be the very best at driving diversity and inclusion within their sector and providing fair opportunities for women to succeed at the highest levels.

The Charter reflects the aspiration to see gender balance at all levels across aviation and aerospace. A balanced workforce is good for business – it is good for customers and consumers, for profitability and workplace culture, and is increasingly attractive for investors.

The Charter:

- ▲ Commits organisations to supporting the progression of women into senior roles in the aviation and aerospace sectors by focusing on the executive pipeline and the mid-tier level;
- ▲ Recognises 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
- ▲ Requires organisations to publicly report on progress to deliver against any internal targets to support the transparency and accountability needed to drive change.

My organisation commits to promote gender diversity by:

- ▲ Having one member of our senior executive team who is responsible and accountable for gender diversity and inclusion;
- ▲ Setting internal targets, where appropriate, for gender diversity in our senior management;
- ▲ Publishing progress annually against any targets in reports on our website;
- ▲ Having an intention to ensure the pay of the senior executive team is linked to delivery against any internal targets on gender diversity and inclusion.

Aerospace Wales encourages all our member companies to sign up and support the charter.

ARMED FORCES COVENANT

AEROSPACE WALES IS PROUD TO BE A SIGNATORY OF THE ARMED FORCES COVENANT



The Armed Forces Covenant is a promise from the nation to those who serve or who have served, and their families, which says we will do all we can to ensure they are treated fairly and not disadvantaged in their day-to-day lives.

The Armed Forces Covenant relies on the people, communities, and businesses of the UK to actively support it in order to make a difference. The government is committed to supporting the Armed Forces community by working with a range of partners who have signed the Armed Forces Covenant. The Covenant brings together the government, businesses, local authorities, charities and the public in order to support those who serve.

Businesses and charitable organisations who wish to demonstrate their support for the Armed Forces community can sign the Covenant. Organisations can make a range of written and publicised promises to set out their support to members of the Armed Forces community who work in their business or access their products and services.

The level of support will depend on the size and nature of the organisation, but typically includes policies that: encourage reserve service; support employment of veterans and service spouses/partners; give the Armed Forces community a fair deal on commercial products and services.

More than 800 businesses and charities to date have signed an Armed Forces Covenant, and that number continues to grow.

Aerospace Wales encourages all our member companies to sign up and support the covenant.

CONGRATULATIONS

CONGRATULATIONS TO OUR GOOD FRIEND PAUL MCKINLAY

Congratulations to our good friend Paul McKinlay, Head of the Airbus wing manufacturing plant at Broughton and Airbus UK Senior Vice-President, who has been named a Fellow of the Royal Academy of Engineering in recognition of his “outstanding and continuing contribution” to the engineering profession.



Paul is one of only 50 leading engineers globally to receive the honour this year. Airbus at Broughton were a founder member of Aerospace Wales when it was established in 2002 and Paul, his predecessor Brian Fleet and Steve Thomas, Government Affairs Executive, have been highly supportive of the Forum. More recently, Helen Swift, Public Affairs Manager, Space, based at the Newport facility, has been elected as an Aerospace Wales Ambassador. Katherine Bennett, Senior Vice President Airbus UK, has recently been appointed as a member of the Welsh Government's Ministerial Advisory Board. We are grateful for the support we receive from the Airbus team and are delighted that Paul has received recognition for the broader contribution that he and other Airbus leaders make to the aerospace and engineering communities.

CONGRATULATIONS TO AEROSPACE WALES MEMBER, SOLVAY

Solvay, who has inaugurated its state-of-the-art manufacturing centre for aerospace structural adhesives and surfacing films in Wrexham, North Wales. Together with the existing plant in Havre De Grace, US, this investment broadens Solvay's footprint and strengthens its leadership position.



The opening ceremony for the new centre at the Wrexham facility was attended by the Welsh Government's Cabinet Secretary for the Economy, Ken Skates, Aerospace Wales Operations Director, Rachael Blackburn and Ben Moore of Solvay who is also an Aerospace Wales ambassador.

The centre is purpose-built, automated, supported by robotic and digital systems. This step-change in the manufacturing process optimises the production and supply chain security of aerospace structural adhesives, surfacing films and lightning strike protection for composite structures.

Solvay, headquartered in Brussels has 26,800 employees in 61 countries. They employ 200 people in Wrexham in its carbon fibre composites division and the new centre will create 50 new jobs.

CONGRATULATIONS

CONGRATULATIONS TO ELECTROIMPACT

Congratulations to Electroimpact on their acquisition of Mechanical and Industrial Systems Department of SPIE in Toulouse.



"Electroimpact is excited to announce our acquisition of the Mechanical and Industrial Systems Department of SPIE in Toulouse, France. This addition to our global team will be known as Electroimpact France. It includes more than 40 talented engineers and supporting individuals with interesting projects underway and more on the horizon. All of EI look forward to supporting and learning from our new team members while we expand our presence in Europe and enhance our ability to serve all our customers."

Electroimpact will now have a direct presence in this major aerospace centre where Airbus employs 23000 people and has five final assembly lines - two for the A320 Family; one each for the widebody A330, A350 XWB and A380. Electroimpact UK will work closely with the new subsidiary to assist with integration into the company.

Further congrats to Electroimpact

Ethan Davies, 22, who works for Electroimpact UK Ltd, in Hawarden, was named VQ Learner of the Year – Higher. Last year, the company was named VQ Employer of the Year and its UK manufacturing lead, Matthew Booth, won the VQ Trainer of the Year Award.



The VQ Learner – Higher Award recognise learners who clearly demonstrate progression and excellence in vocational studies and have made considerable achievements in their field.

Through hard work and continuous learning, Ethan is focussed on becoming a role model for young apprentices. He has blossomed through vocational education and matured into a key member of staff at Electroimpact UK Ltd. Vocational qualifications are important to the economy, companies and individuals, as they deliver the trained, talented employees that businesses are crying out for and ensure young people have the skills needed to succeed in education and work.

CONGRATULATIONS MAGELLAN AEROSPACE

on being named Wales' Large Employer of the Year



Congratulations to Wrexham based Aerospace Wales member, Magellan Aerospace, on being named Wales' Large Employer of the Year at the prestigious Apprenticeship Awards Cymru held at the Celtic Manor Resort, Newport on November 9.

The annual awards are designed to showcase and celebrate the outstanding achievements of learners, employers, tutors and assessors who have excelled in contributing to the development of the Welsh Government's Traineeships and Apprenticeship Programmes.

Jointly organised by the Welsh Government and the National Training Federation for Wales (NTfW), the coveted awards are supported by media partner, Media Wales. The Apprenticeship Programme is funded by the Welsh Government with support from the European Social Fund.

Magellan Aerospace has invested heavily in apprenticeships and developed a dynamic workforce capable of remaining at the forefront of a competitive global industry. Magellan Aerospace (UK) Ltd is a leading design to manufacture supplier of aerospace structural components and assemblies. A tier one supplier to Airbus, Leonardo, BAE Systems, GKN, etc, the division has an integrated design and manufacturing capability that can provide a diverse service of detail kit supply through to class one structural sub assembly.

CONGRATULATIONS TO AEROSPACE WALES MEMBER, GLYNDŴR INNOVATIONS

Congratulations to Aerospace Wales member, Glyndŵr Innovations, on winning a major MoD contract to develop a new innovative reconnaissance system as part of a consortium including Qinetiq (project lead), Airbus and Thales, all of which have a strong presence in Wales.

The contract was awarded by MoD and the UK Defence Solutions Centre (DSC) after the consortium were named among the winners of the MOD and Defence Growth Partnership (DGP)'s Innovation Challenge.

Staff from Glyndŵr Innovations were among guests at an official launch at the Institute of Engineering and Technology last week where the winners were announced.

Glyndŵr Innovations is the commercial arm of Wrexham Glyndŵr University's world-leading research division based at the Optic Technology Centre in St Asaph.

Glyndŵr Innovations' contribution will be its Ultra Lightweight Telescope, Gwylwr (or Watcher), designed to provide HAPS (High Altitude UAVs) with an instrument capable of high resolution ground imaging from as far as 23 km. Qinetiq will provide its SDML system (Software Defined Multipurpose LIDAR), a technology which works like radar, but instead of using radar, uses light. The contract will run for two years, including airborne and shipborne trials.



ACCESS TO THE CONFERENCE FACILITIES AT THE SNOWDONIA AEROSPACE CENTRE

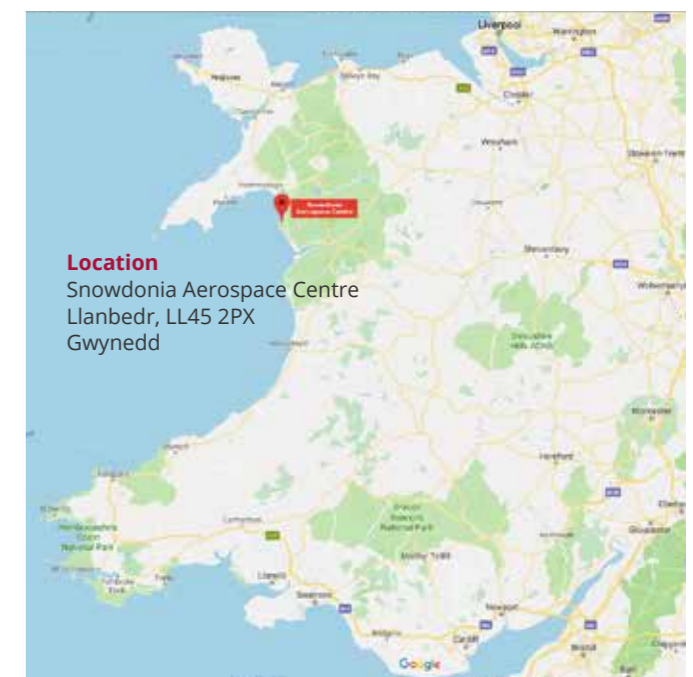
Snowdonia LLP is offering members of the Wales Academic Space Partnership and members of the Aerospace Wales Forum access to the conference facilities at the Snowdonia Aerospace Centre for a minimal contribution of £50, which is designed to help cover management costs (such as cleaning) and electricity.

Access to existing on-site audio visual equipment, such as projectors, is included in the offer, which is in good working order, though SAC LLP (as you might expect at such a low cost) could not be responsible in the event of any equipment failure.

Any additional equipment or services (audio visual, translation, etc) would need to be organised and paid for by the party using the room/s, as would the provision of food and drink.

Interested parties should email an outline of their event, dates, proposed activity, numbers of people, etc, to:

Lee.Paul@snowdoniaaerospace.com and
David.Young@snowdoniaaerospace.com





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