Northern Ireland is recognised for its commitment to developing world-class innovative technology for the aerospace, defence, security and space sector. It has a vibrant and rapidly growing space industry, founded on a strong engineering heritage and backed by robust research competence, collaboration, world-leading academic institutions, and integral manufacturing capabilities, skills and experience.

The UK Space Agency is strongly supportive of efforts to grow the existing space capabilities in Northern Ireland through collaboration, knowledge exchange, innovation and skills development. This directory outlines the current expertise within Northern Ireland and showcases the region as a key player in the development of UK products and services for the global space sector.

“The UK’s ambitious target to capture 10% of the global space economy by 2030 requires contributions from all regions of the UK to deliver innovative solutions in the up-stream and down-stream segments of the space sector, with one relying on the other in order to be successful. This regional approach to UK growth is supported by ESA Business Applications and Space Solutions which seeks to grow the space capability in Northern Ireland, the UK and Europe. This Space Supply Chain Directory showcases the expertise and capabilities in Northern Ireland to respond to the growing demand for space-based technologies and services and provides a strong foundation from which further growth can be delivered.”

Pamela Anderson
ESA Business Applications Regional Ambassador – Scotland and Northern Ireland

“The global space economy is growing and evolving rapidly, representing a world of opportunity for Northern Ireland. This directory is an important step towards growing and capitalising on existing and emerging space capabilities. The UK Space Agency is backing these efforts, working closely with partners in Northern Ireland, encouraging collaboration and providing support for technology, innovation and skills. It is clear that the businesses in this directory are well placed to deliver high-quality products and solutions, which will help the UK play a leading role in the new space age.”

Graham Turnock
CEO of the UK Space Agency
Northern Ireland Location and Key Facts

- As part of the United Kingdom it is ideally situated between Europe and the U.S.
- Population – over 1.8 million
- Three airports – daily flights to European business centres and Great Britain
- Modern road and rail network
- 100-gigabyte per second transatlantic link between Northern Ireland, Europe and North America
- The highest availability of superfast broadband in the U.K.
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- Centre for Competitiveness
- Cyber Guarded
- MF Logistics
- MiTech Design
- Morson Projects
- Mydas Recruitment
- NISO – Northern Ireland Space Office
- PING Handling
- Quality Blue
- RTA

### Downstream Applications and Services
- 123INSIGHT – QMS Insight
- 3DEO
- AMF
- Analytics Engines
- Cyber Guarded
- Kx
- Mallon Technology
- Mydas Engineering
- Secure Broadcast
- Valuechain Technology

### Manufacturing
- 1ADS
- AVX
- Bombardier
- Boyce Precision Engineering
- Brolis
- Causeway Aero
- CCP-Gransden
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- Donite Plastics
- Elite Electronic Systems
- Goudsmit UK
- G.E.E. Precision
- ICONIC RF
- IPC Mouldings
- Kingsbury
- Laser Prototypes
- McGreevy Engineering
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- MiTech Design
- Morson Projects
- Mydas Engineering
- Mydas Recruitment
- NI Precision
- Raptor Photonics
- Resonate Testing
- RW Coatings
- SAM Aerospace
- Springco
- Thales UK
- Warmflow Engineering Co Ltd
- Whiskin Precision Engineering

### Research, Education and Outreach
- Armagh Observatory & Planetarium
- Invest NI
- NIACE
- Queen's University
- Sirius Science
- University of Ulster
overview
QMS Insight Ltd supplies the 123insight MRP software system in Ireland and Scotland. The system includes quotes, sales, purchasing, stock control, subcontracting, scheduling, CRM and invoicing. 123insight has won over a dozen awards since its foundation in 2000, and is suitable for all manufacturers regardless of size.

areas of expertise
- In depth knowledge of Aerospace Sector with 20+ years’ experience in implementing IT solutions
- In depth knowledge of applying IT solutions into a variety of roles
- Stock Management
- Master Production Scheduling
- Lean Business Improvement through application of IT solutions

contact
Drew McCoubrey
telephone
+44 (0) 77 1409 2677
e-mail
drew@qmsinsight.com
web
www.qmsinsight.com
overview
3DEO provides sensor-agnostic visualisation of data relating to real-world events. From survey data for marine, hydrology and mining, to asset tracking and situational awareness, we provide a comprehensive and seamless visualisation to effectively unlock the power of your data and disseminate it via a clear and user-friendly platform.

areas of expertise
- Earth Observation
- 3D visualisation of complex datasets
- Modelling of survey data, both above and below ground as well as under water
- Locating and tracking moving assets
- Modelling fixed assets in 3D to enable rapid ingest and analysis of information
ADS Group Ltd
Airport Road
Belfast
BT3 9DZ

contact
Dr Leslie Orr
telephone
+44 (0) 28 9046 8296
email
leslie.orr@adsgroup.org.uk
web
www.adsgroup.org.uk

core activities
- National Trade Association for the Aerospace, Defence, Security and Space Industries

year established
2010
no. of employees
51-249
annual sales
$1-$5m

overview
ADS is the Premier Trade Organisation for companies in the UK Aerospace, Defence, Security and Space Sectors. Membership is made up of over 1000 UK registered businesses. ADS Northern Ireland represents members in the region and works closely with Invest NI to grow the industry. Farnborough International Limited (FIL), which runs the Farnborough International Airshow, is a wholly-owned subsidiary of ADS Group Ltd.

areas of expertise
- Promotion of the Industry – Improving the image and profile of our industries
- Industrial Policy – Influencing the policy debates of most importance to our industries
- Quality Standards – Supporting UK manufacturing and our industries’ supply chains
- Encouraging investment in technology and innovation
- Providing Member value – Supporting business development opportunities nationally and internationally through trade events and missions
Aerospace Metal Finishers Limited
Unit 3
11 Paradise Avenue
Ballymena
BT42 3AE

overview
AMF is staffed by a handpicked team of people, fully trained and certificated to the highest standards in the metal finishing business. AMF’s mission is to provide a consistent, fast, reliable service supplying a quality finished product that satisfies the customer’s needs and meets with specification requirements. AMF provide its customers with a frequently updated information package ensuring they are aware of the progress of their components through the process.

areas of expertise
- Non-Destructive Testing, Penetrant and Magnetic Flaw Detection
- Anodising, Chromic Acid, Tartaric Sulphuric, Boric Sulphuric and Hard Anodising
- Painting, Primer, Topcoat, Solid Film and Heat Resistant Coatings
- Passivation and Titanium Processing
- Anodising of Titanium

certifications
- NADCAP NDT
- NADCAP Chemical Treatments
- AS9100

approvals
Airbus, Bombardier, Boeing, Safran, Leonardo Helicopters (in progress) and MOOG Aerospace

contact
Roger Smyth
telephone +44 (0) 28 2563 1066
email roger@amfni.com
web www.amfni.com
 overview
Analytics Engines create tailored data and software solutions that enable you and your organisation to quickly and easily adopt data analytics as a central part of your strategy and enable the conversion of your data into actionable insights.

 areas of expertise
- End to End Solutions – We work alongside clients to develop complete data solutions
- Visualisation – We are experts in creating compelling data visuals and solutions that enable meaningful action

 core activities
- Data analytics
- Bespoke software solution development
- Data Infrastructure – Our suite of existing data solution modules enables the rapid deployment of solutions
- Specialism – Our expertise includes data integration, data management, machine learning, AI, analytics and visualisations
- Data Analysis – Our solutions and expertise enable you to produce more accurate and actionable results

 certifications
- ISO 27001 Information Security Standard
- Cyber Essentials Security Certification

---

Data-driven decision making
derived by Analytics Engines

Example shown | MultiLateral
Developed by Analytics Engines
for Coriolis Technologies
overview

The Observatory is the longest continuously operating astronomical research institute on these islands. The Planetarium is similarly the longest established planetarium. AOP remains an international leader conducting, supporting and facilitating world-leading research.

AOP has developed conferencing facilities to offer state-of-the-art, multi-screen, high-definition facilities in a unique and historic science-based environment.

areas of expertise

- Front-line astronomical research, primarily in Solar System Science, Solar Physics, Stellar, Galactic and extra-Galactic Astrophysics;
- Undertaking collaborative research with a range of national and international science and technology organisations globally;
- Providing advice / guidance on scientific and technical matters to these and other scientific institutions and companies;
- Promoting, inspiring and educating the public in, the astronomy space science and astronomical heritage fields;
- Providing state-of-the-art conferencing facilities, incorporating immersive visualisation within a unique and historic science-based, heritage environment.

certifications

AOP plays a full role in the international astronomical community, for example serving on committees of bodies such as the Science and Technology Facilities Council (STFC), the Royal Astronomical Society, the Royal Irish Academy, the International Astronomical Union (IAU) and the International Planetarium Society (IPS), assessing grant and research proposals on behalf of external funding agencies and reviewing scientific papers and editing international academic journals.

Armagh is also a member of the international consortia involved with the GOTO (Gravitational-wave Optical Transient Observer) optical, LOFAR (LOw FRequency Array) radio and the CTA (Cherenkov Telescope Array) gamma-ray telescopes.

approvals

AOP is approved for access to telescope time on international facilities, including the Dunn Solar Telescope at Sacramento Peak Observatory, the New Solar Telescope at Big Bear Solar Observatory, the Mopra radio telescope in Australia, the ESO Very Large Telescope and various spacecraft missions (such as SoHO, SDO, Hinode, Stereo, Swift, XMM-Newton and the Hubble Space Telescope).

Academic staff obtain research grants from a wide range of grant awarding bodies (e.g. the STFC, the Royal Society, the Leverhulme Trust, British Council etc.) and, through the organisation’s membership of the UK SALT Consortium (UKSC), have access to the 11-metre diameter Southern African Large Telescope (SALT) located at the Sutherland Observatory, South Africa.
AVX Ltd
5 Hillmans Way
Coleraine
Co Londonderry
BT52 2DA

overview
AVX Ltd is a manufacturer and supplier of advanced electronic components and interconnect, sensor, control and antenna solutions with 29 manufacturing facilities in 16 countries around the world. The N. Ireland facility is qualified to manufacture and develop ceramics capacitors which are approved by ESA, NASA and Mil space authorities.

areas of expertise
- AVX is fully qualified with the ESA, NASA and DLA Land and Maritime space authorities
- The AVX N. Ireland site encompasses a start of art production facility utilising nano material technology
- AVX has been supplying into the global aerospace market from the 1980s to ExoMars rover

core activity
- The AVX Ltd N. Ireland manufacturing and development facility focuses on multi-layer ceramic capacitors for the automotive, industrial and aerospace global market sectors

certifications
- IATF 16949
- ISO 9001
- ISO 14001

approvals
- ESCC 3009
- ESCC 3009041
- ESCC 3001
- MIL PRF 32535
- NASA S311P838
- ESCC 3012
- IECQ CECC

contact
Michael Conway
telephone +44 (0) 28 7034 0672
mobile +44 (0) 78 5060 4657
email michael.conway@avx.com
web www.AVX.COM

year established
1979
no. of employees
250+
annual sales
$10m+

web
www.AVX.COM
Bombardier Belfast is a premium aerostructures partner, providing end-to-end solutions through a broad range of capabilities. It specialises in research, design, manufacture, assembly, structural testing and after-market support of complex composite and metallic aerostructures, including wings, fuselages and engine nacelles. Focused investment of over £2.7bn in innovative technologies has led to the development of advanced IP materials that can be repurposed for the space industry. Bombardier Belfast has the capabilities and technologies to manufacture launch providers, payload fairings and inter-stage adaptors.

**Areas of expertise**
- End to end solutions: design, test, manufacture, assembly and aftermarket support
- Design Integration: team includes design, stress, powerplant and systems, materials and processes, tooling and manufacturing
- Advanced Composite Manufacture: centre of excellence for the design and manufacture of complex composite components
- Supply Chain Integration: extensive experience in managing a global supply chain
- Aftermarket Services: Specialist in structural repair and overhaul of complex composite and metallic Aerostructures

**Certifications and approvals**
- NADCAP
- EASA Part.21.G
- Part.21.J
- Part.145
- OHSAS 18001
- ISO9001
- AS9100
- AS9110
- Investors in People
- LEED Accreditation Gold Standard
- AEO approval and Export control program
- ISO14001: 2015 Environmental Management Systems
- 2019 MacRobert Award for UK engineering innovation for the A220 advanced composite wing
Boyce Precision Engineering Ltd
16 Charlestown Drive
Portadown
Co. Armagh
BT63 5GA

contact
Aaron Furphy
telephone
+44 (0) 28 3888 1415@email
aaron@boyceprecisionengineering.com
web
www.boyceprecisionengineering.com

core activities
- CNC 3 and 5 Axis Milling
- CNC Turning and Turn-milling

year established
2006
no. of employees
<50
annual sales
$1-$5m

overview
BPE are a flexible and dynamic SME, specialising in the manufacture of precision machined components for high value manufacturing sectors, such as: Aerospace, automotive, defence, space and pharmaceutical. BPE have fostered a culture of innovation and investment in the latest technologies to meet and exceed the needs of their clients.

areas of expertise
- CNC 3 and 5 Axis Milling
- CNC Turning and Turn-milling
- Hard Metal Machining
- Supply Chain Solutions
- High precision component machining

certifications
- AS9100 Rev D
Employing cutting edge technologies, BPS Ltd., develop and manufacture next-generation products, from NIR to SWIR and beyond. BPS Ltd’s targeting, designation and surveillance solutions are in the hands of international customers such as police armed response units and elite special forces allowing them to remain undetected when engaging hostile targets at longer ranges and in unfavourable conditions.

Areas of expertise:
- Production of semi-conductor lasers
- GaSb/SOI photonic integrated circuits
- Fast Prototyping
- Bespoke laser module designs for OEM applications
- Volume manufacturing capability

Certifications:
- ISO 9001

Approvals:
- Registered UK Defence Contractor
Causeway Aero Ltd
Unit 2 Ballinderry Business Park
58 Ballinderry Road
Lisburn
BT28 2SA

contact
Peter Hinds
telephone +44 (0) 77 4814 8922
e-mail pete.hinds@causeway.aero
web www.causeway.aero

core activities
- Airframe Structures and Aircraft Interiors
- Engineering Design – metallics and composites
- Programme Management
- Supplier Management
- Subcontract Manufacture and Assembly

overview
Causeway Aero Ltd offers a One-Stop-Shop Solution to customers from Engineering Design and Analysis, through to Supply Chain Management and Assembly. Unlocking the potential within the supply chain, Causeway’s rapidly growing business will help deliver, develop and supply Lightweight Structures all under AS9100 RevD. On-Time, On-Spec and On Budget.

areas of expertise
- Design – Lightweight Composites, Metals
- Statics, Dynamics, Shock, Vibration, Impact, Materials Simulation

Test support – Test plan development, management and reporting
- Subcontract Manufacture – Highly skilled local supply chain management
- Assembly – Full assembly, tooling, jig and fixtures

certifications
- EASA Part 21 G (Race Completions Ltd – Group Company)

approvals
- AS9100 Rev D
CCP Gransden
17 Moss Road
Ballygowan
Co. Down
BT23 6JE

overview
CCP Gransden is a composite part manufacturer. With an advanced (Out of Autoclave) manufacturing cell, CCP Gransden offers design for manufacture and a wide range of capabilities. These include thermoset prepreg or resin infusion including HPRT, continuous fibre reinforced thermoplastic composites with single stage overmoulding and 7 Axis filament winding.

areas of expertise
- Thermoplastic composites – High performance polymers incl PEEK / PEI /PAEK, fast cycle time, recyclable, good joining properties
- Overmoulding – Enables detail, eg ribs, fasteners etc and part count reduction
- Thermoset composites- snap cure resins for high volume, high FST tolerant resins
- Filament winding – tubes, spars, pressure vessels or complex shapes

certifications
- ISO 9001, 14001 & 18001
- AS9100
- SC21 Bronze

approvals
Thales
Centre for Competitiveness Ltd
Catalyst Inc
Innovation Centre
Queens Road
Belfast
BT3 9DT

Centre For Competitiveness

overview
The Centre for Competitiveness is a not-for-profit membership organisation. Its mission is to support the development of an internationally competitive economy in Ireland. The Centre has a portfolio of strategic international partnerships to ensure that its services to clients are at the leading edge in competitiveness principles and practices.

areas of expertise
• Operational Excellence – supply chain productivity improvement in the aerospace, defence, space and security sectors
• Innovation Excellence – assessment and accreditation against European Foundation for Quality Management framework
• Digital Transformation – current state assessment and development of roadmap for strategic transformation
• Smart Grid Ireland – strategy and technology for sustainably digitising, decarbonising and decentralising energy supply and consumption

certifications
• ADS Strategic Partner Ireland – SC21 Operational Excellence and Competitiveness and Growth
• EFQM National Partner Organisation Ireland – Management Model 2020
COPAS
Binnian Enterprise Park
Kilkeel
Co Down
BT34 4AX

overview
COPAS consistently delivers world class engineering excellence, cost effectively by optimising advanced production technologies, driven by a highly skilled responsive team.

Our experienced CAD/CAM engineering and quality departments, will assist and liaise, to ensure that your components are expertly programmed, produced and quality checked to exacting standards, AS9100 – 100% CMM as required.

We have extensive capacity in 3, 4 and 5 axis milling in hard and soft metals, with advanced technologies.

certifications
- AS9100
- ISO9001
- SC21

NEW – fully automated hard metal centre of excellence, delivering optimum accuracy and value. COPAS operates 24/7

- COPAS manufactures precision engineered components in:- Aluminium – Hard Metals – Plastics
- Post machining finishes are available in:- Silver Plate – Bead Blasting – Anodising – Powdered Coated
Cunningham Covers Ltd
Glenshane Industrial Estate
Tobermore Road
Maghera
BT465DR

overview
Cunningham’s capabilities in the design and manufacturing of clever protective covers are the foundation of their success in being a trusted supplier to the MRO and ground support sector.

Exporting to over 40 countries Cunningham work in all sectors and supply everyone from large multinationals to individuals. Cunningham Covers protect high value assets from vapour, UV corrosion, sand, dust, scratching and deterioration, all important for the storage and care of aircraft, engines, spares and associated ground support equipment.

areas of expertise
- MVP engine bags
- Engine cowling covers
- Ground support covers
- Engine lean mats
- Engine covers
- Stairway belows
- Cart/luggage handling covers
- Protective transport covers
- Side cover for cargo boxes
- Turbine blade protectors
- Thermal cargo blankets
- Cargo containment covers
- Safety nets

certifications
- ISO9001:2015

approvals
- Member of ADS, Queens Award for Enterprise 2017
CyberGuarded, a trademark of IT Guarded Ltd, is a UK National Cyber Security Centre (NCSC) approved Penetration Testing and Auditing company, providing network infrastructure and application security auditing services to assist organisations strengthen their Cyber security posture.

As vendor independent Cyber Security Specialists there is no conflict of interest.

Core activity:
- Cyber Security Testing and Auditing Services
- NCSC Certified

Areas of expertise:
- HMG Cyber Security Standards
- International Cyber Security Best Practice
- Information Assurance
- Cyber Breach Response
- Cyber Forensics

Certifications:
- UK National Cyber Security Centre (NCSC)
  Certified CHECK Penetration Testers

Approvals:
- NCSC Cyber Essential Plus Certification Body
Denroy Plastics Ltd
Balloo Drive
Balloo Industrial Estate
Bangor
BT19 7QY

Denroy Plastics Ltd
Denroy Plastics is a leading supplier of injection moulded services and assemblies to the aerospace / defence sectors. Offering the latest CAD technology, 34 moulding machines, a variety of post moulding services and an extensive tooling facility, Denroy offers clients a complete project management package from conception through to full volume production.

areas of expertise
- Specialists in injection moulding of high-grade engineering polymers such as PEEK, PPS and Ultem
- In-house design team to assist with concept design and material selection

Specialists in light weighting of components by converting from metal to polymer
- Variety of 3D printing machines capable of manufacture in high grade polymers
- SC21 Gold Award winner emphasising the Company ethos of exceptional quality and delivery in full every time

certifications
- AS9100

approvals
Bombardier, Airbus, Thales, BAE SYSTEMS, Triumph, Spirit, GKN and CTRM.
**Donite Plastics LTD**  
8 Station Road  
Saintfield  
Ballynahinch  
County Down  
BT24 7DU

**Manufacturing**

**contact**  
Stephen Kissick  
telephone  
+44 (0) 28 9263 9995  
email  
stephen@donite.com  
web  
www.donite.com

**overview**  
Donite Plastics is a leading specialist in heavy gauge industrial thermoforming in Northern Ireland.

It specialises in the design of bespoke trays, tote box inserts for transport of components in a range of environments.

**core activities**  
- Industrial Thermoforming  
- Toolmaking  
- CNC and Fabrication

**year established**  
1981  
**no. of employees**  
<50  
**annual sales**  
$1-$5m

**areas of expertise**  
- Thermoformed plastics manufacture for aerospace, automotive, industrial and energy  
- 5-axis CNC trimming and tool making  
- Bespoke transport trays for optimisation of production lines  
- Plastics fabrication  
- Sub-contract manufacture and assembly

**certifications**  
- ISO 9001:2015
Elite Electronic Systems Ltd
Lackaboy Industrial Estate
Enniskillen
Co. Fermanagh
BT74 4RL

contact
James Cooke
telephone +44 (0) 28 6632 7172
e-mail jcooke@elitees.com
web www.elitees.com

core activities
- PCB Assembly
- Cable and Wiring Assembly
- Complete System Integration
- Bespoke Product Testing
- Electronic Design
- Supply Chain Management
- Worldwide Logistics

year established 1986
no. of employees 200+
annual sales $10m +

overview
Established since 1986 in Enniskillen, Co. Fermanagh, Northern Ireland – Elite is a leading provider of Contract Electronic Manufacturing Services to a diverse customer portfolio of innovative and successful companies in Ireland, UK and internationally. We employ over 200 people in 120,000 sq. ft. of manufacturing space and utilise state-of-the-art equipment to provide complete turnkey manufacturing, excellent quality and flexible scheduling. For additional capacity, a fresh approach or a solution to a new manufacturing challenge please contact us for advice or with a proposal.

space sector activity
Elite have significant experience of complex hardware manufacturing and offer excellent capabilities including 3D solder paste inspection, 01005 SMT component placement, X-ray BGA inspection, Automated Optical Inspection and XJTAG testing. Committed to continuous improvement and a combination of investment in equipment and training of our personnel – Elite aim to partner with market leading organisations for mutual benefit.

customers
Elite’s client base consists of those operating in military, medical, power generation, automotive, industrial, telecoms and consumer markets. Elite manufacture electronics for portable defibrillators, airport access control and even power supplies that have been used in CERN’s Large Hadron Collider.
G.E.E. Precision
Green Energy Engineering Ltd
198a Lurgan Road
Dromore
Co Down
BT25 1HL

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email
jeff@geeltd.org
web
www.geeprecision.org

overview
G.E.E. Precision is a quality-focused precision engineering company specialising in the supply of complex precision components and sub-assemblies to the Aerospace Industry. We support this sector with a comprehensive range of engineering services encompassing mechanical design, reverse engineering, precision component CNC machining, assembly and rapid prototyping, assisting at all levels of the manufacturing process.

areas of expertise
- Production of high-quality precision components and assemblies
- Multi-axis CNC Milling and Complex Mill Turn capacity
- Full multi-axis CADCAM programming capabilities
- Quality Control systems, Problem solving, Rapid delivery and Kanban Analytics
- Customer focused and solution driven organisation

certifications
- AS 9100: Rev D
- ISO 9001: 2015
Goudsmit UK
10 Cromac Place
The Gasworks
Belfast
BT7 2JB

contact
Michael Lyness
telephone
+44 (0) 28 9027 1001
email
michael@goudsmit.co.uk
web
www.goudsmit.co.uk/

overview
Part of the Goudsmit Group of companies founded in 1959, the group has over 60 year’s experience in the design, manufacture and supply of magnets and magnetic assemblies. Alongside magnets, Goudsmit UK expanded into new areas, including plastics, metals and assemblies. Operating globally, supplying into sectors such as automotive, aerospace, oil and gas and medical.

areas of expertise
- Assembly and design
- Sub-contract manufacturing
- Project management
- Extensive logistic management
- Material resource planning on customers behalf

certifications
- ISO 9001
- AS 9120B
- IATF 16949

core activities
- Permanent magnets
- Magnetic Assemblies
- CNC Machining
- Polymer Engineering
- Injection Moulding
- Die Casts
- Extrusions
- Pressings

year established
1998
no. of employees
<50
annual sales
$5-$10m
**ICONIC RF**

**contact**
Andrew Patterson  
telephone  +44 (0) 28 9590 2860  
mobile  +44 (0) 79 7456 1480  
email  andrew.patterson@iconicrf.com  
web  https://www.iconicrf.com

**year established**  2017  
**no. of employees**  <50  
**annual sales**  <$1m

**overview**
ICONIC RF is a highly experienced business delivering higher performance GaN and GaAs MMICs to the worldwide market. Its products are used in Satellite, Aerospace and Defence and mm-wave 5G telecommunications markets. The company supplies high power discrete GaN transistors and specialises in high performance power amplifier MMICs through mm-wave frequencies.

**areas of expertise**
- Innovative GaN and GaAs MMIC products for microwave and mm-wave applications
- High power discrete GaN transistors for operation to 14 GHz
- Custom MMIC development specialising in high performance power amplifiers to mm-wave frequencies
- Advanced microwave and mm-wave characterisation and device modelling
- Rapid prototyping service with die assembly facilities and production automatic wire bonding

**core activity**
- Microwave and mm-wave GaN and GaAs MMIC products
- Discrete GaN power transistors
- Custom MMIC development
- RF and microwave characterisation and modelling
- Rapid prototyping

**certification**
- ISO9001:2015 pending
**overview**
Invest Northern Ireland is the economic development agency for Northern Ireland. It promotes inward investment and trade opportunities from an extensive local and international office network. It supports business development, helps to increase productivity and exports, attracts high quality inward investment and seeks to stimulate a culture of entrepreneurship and innovation.

**areas of expertise**
- Economic development of Northern Ireland through attracting new inward investment and supporting Northern Ireland companies in increasing export sales
- Employment grants, to support job creation
- Market development assistance, to support exports
- Pre and post-employment training assistance, to support skills development
- Research and Development grants, to support new product development and innovation
- Investment in VC and Loan Funds, to support local start-ups and high potential growth companies
- Property search and selection
IPC Mouldings’ parts and assemblies travelled with 900 million airline passengers in 2018. A Northern Ireland based supply chain partner in aircraft interiors delivering 2.5 million parts annually with average Q&D performance of 99.6% sustained since 2013, IPC has wide moulding capabilities and specialises in high quality, low volume production.

**Areas of expertise**
- Product whole life management from DFM through to aftermarket
- Single source supplier for tooling, production and assembly

**Core activities**
- Mould tool design and manufacture, CNC machining, injection moulding using high performance engineering polymers and value add assemblies
- Tooling optimised during DFM stage, transparent communication to identify and minimise risk to product manufacturability
- Early identification of opportunity to convert machined to moulded parts
- Extensive experience in processing structural, flame retardant, lubricated, conductive and coloured engineering thermoplastics

**Certifications**
- ISO9001:AS9100
- SC21 Gold

**Approvals**
Collins Aerospace

**Contact**
Graeme Bennett  
Telephone +44 (0) 28 9336 6696  
Email graemebennett@ipcmouldings.com  
Web www.ipcmouldings.com

**Manufacturing**
- Year established 1994  
- No. of employees <50  
- Annual sales <$1-$5m
Kingsbury
Unit 6 – The Legacy Building,
The Northern Ireland Science Park
Titanic Quarter, Queens Road
Queens Island, Belfast
BT3 9DT

contact
Martin Blakely
telephone
+44 (0) 74 6848 5602
email
m.blakely@kingsburyuk.com
web
www.kingsburyuk.com

overview
Kingsbury are a solution provider delivering high quality milling, turning, grinding and additive machinery solutions.

Kingsbury’s wealth of expertise means they do not just sell machines, they are able to collaborate with our customers to create solutions tailored to their unique needs.

core activities
- Precise, high quality milling, turning, grinding and additive machinery solutions. Backed by unrivalled technical expertise, product knowledge and industry experience

areas of expertise
- 3 to 6 axis milling machine solutions
- Turning solutions for complex and/or high volume production
- High accuracy grinding solutions
- Additive solutions based on powder bed technology
- Full automation solutions based around machining processes

Kingsbury
Engineering Excellence.

Kingsbury
Unit 6 – The Legacy Building,
The Northern Ireland Science Park
Titanic Quarter, Queens Road
Queens Island, Belfast
BT3 9DT

Manufacturing

Kingsbury
Unit 6 – The Legacy Building,
The Northern Ireland Science Park
Titanic Quarter, Queens Road
Queens Island, Belfast
BT3 9DT

Manufacturing
core activities

Kx technology sets performance benchmarks for the analysis of vast quantities of data, both realtime and historic. Kx comprises the kdb+ database, with its highly efficient 800kb footprint, and an enterprise layer designed to maximise analytic performance while providing vital functions such as security, control and visualisation. This platform enables the rapid development of applications and new solutions, either by our customers or partners across financial and industrial sectors.

overview
First Derivatives is a leading provider of software and consulting services to some of the world’s largest finance, technology, space and energy institutions. Our Kx technology addresses the most demanding data challenges our clients face. Find out more about our development and operations at www.kx.com.

areas of expertise
- High performance, high volume data capture, processing and storage
- Flexible visualization and querying capabilities via BI dashboards
- Rapid insights into streaming, in-memory and on-disk and remote sensing data
- Small technology footprint enabling edge and in-orbit processing
- Integrated programming toolkit enabling rapid customization and development of new functionality and analytics

approvals
European Space Agency, Airbus, NASA Frontier Development Lab, Thales and European Southern Observatory
Laser Prototypes (Europe) Ltd
4 Prince Regent Road
Belfast
BT5 6QR

contact
Campbell Evans
telephone
+44 (0) 28 9070 6940
e-mail
campbell@laserproto.com
web
www.laserproto.com

overview
LPE is a production Additive Manufacturing (AM) company. They produce repeatable quality production parts in a range of plastic and metal alloys from qualified machines which are capable of producing consistent mechanical properties. This is complemented with a fully equipped machine shop which includes 5-Axis CNC machining, EDM, fully instrumented furnaces and CMM.

areas of expertise
- 3D Metal Printing – Titanium, Aluminium and Stainless steel
- Production AM Parts – Qualified machines, in-house furnaces and 5 Axis machining
- Quality – First Article Inspection reports, full material traceability and process control documents
- Diversity of available materials – Wide range of materials including lightweight plastics and metals
- AM Experts – Longest established AM bureau in UK and Ireland with 28 years experience.

approvals
- ISO 9001 and ISO 13485
Mallon Technology Ltd
Union House
Union Place
Cookstown
Co. Tyrone
BT80 8NP

overview
Mallon Technology is an Irish SME that specialises in the provision of Geospatial solutions and downstream Earth Observation data services. Driven by the needs of our customer and underpinned by our expertise, the solutions we offer are focused on providing a comprehensive and quality driven service.

areas of expertise
- Geospatial project management, data preparation, capture, analysis and reporting
- Pre and Post Processing of Optical and SAR Satellite imagery
- Time Series and Change Detection Analysis - observing geographical features, identifying and tracking change over time
- Feature extraction and mapping output
- Atmospheric Correction and Masking for data accuracy

certifications
- ISO 9001:2015
- ISO 27001:2013

contact
Marion Murphy
telephone
+44 (0) 28 8676 1800
email
marion.murphy@mallontech.com
web
https://www.mallontech.com/

core activities
- Geospatial Services
- Remote Sensing / Earth Observation services
- GIS Application Development
- Software Development
- Document Capture

year established
1995
no. of employees
51-249
annual sales
$1-$5m
McGreevy Engineering Ltd
Maryland Industrial Estate
Ballygowan Road
Belfast
BT23 6BL

overview
McGreevy Engineering specialises in precision machined components, with internal engineering capabilities to support 5-axis milling and multi axis turn mill machine tools. The company utilises advanced manufacturing technologies in a lean environment, producing products from materials including Titanium, Inconel and Aluminium. McGreevy Engineering has AS9100 certification and SC21 Bronze accreditation.

areas of expertise
- Machining in 3 and 5-Axis, up to 3m, including vertical and horizontal capability
- NC code developed and produced using Mastercam
- Ability to turn up to 1m diameter and 3m length, using 2-axis turning machines
- Prototyping to high tolerated oil and gas products, in a range of materials
- Further capabilities include; CMM, Grinding, Fabrication and Assembly

certifications
- Full AS9100 Rev D and ISO9001:2015 approval (2221/AS)
- BRONZE Supply Chain 21 (SC21) approval (proven OTD > 90% and quality > 98%)

approvals
- Thales, Bombardier, Dornier Seawings and Thompson Aero Seating

Mr Aaron McGreevy
+44 (0) 28 9044 8755
aaron@mcgreevyengineering.co.uk
www.mcgreevyengineering.co.uk
McKenzies (NI) Ltd
McKenzies (Aluminium) Ltd
76-86 Duncrue Street
Belfast
BT3 9AR

core activities
- Metal Recycling
- Aluminium Foundry
- Recycling Solutions

year established
1998

no. of employees
51-249

annual sales
$10m +

contact
Stephen Russell
Head of Strategy and Development
telephone
+44 (0) 78 0362 6280
email
stephen.russell@mckenziesni.com
web
www.mckenziesni.com
overview
MF Logistics is proud to have established a solid and flourishing reputation within the Irish distribution market. With over 40 years of experience we offer competitively priced, time sensitive distribution packages and associated services to a comprehensive database of customers covering all areas of industry.

areas of expertise
- UK to Ireland Road freight
- Europe to UK / Ireland transportation
- Abnormal load capabilities
- 4PL Management

contact
Matt Hitchen
telephone
+44 (0) 19 2576 1565
e-mail
matt.hitchen@mflogistics.co.uk
web
www.mflogistics.com

core activities
- Transport and Logistics
- Road Freight and Airfreight

year established
1968
no. of employees
51-249
annual sales
$10m +

MF Logistics UK Ltd
Albion Park
Warrington Road
Glazebury
WA3 5PG
MiTECH DESIGN LTD
Quaker Buildings
80A High Street
Lurgan, Craigavon
Co. Armagh
BT66 8BB

overview
MiTECH DESIGN LTD is an independent design business providing innovative tool design solutions and consultancy to the Aerospace, Defence and Automotive sectors with aspirations to move into the Space sector. At MiTECH Design, we specialise in tooling design and tool compensation for process induced distortion for composite parts.

tool design expertise
- Zero-Splice / One-Piece Nacelle / Composite Barrel / Multi-Piece Mould Tooling
- Tooling compensation (Spring-back) for process induced distortion in composites
- Innovative Tooling Solutions for producing hollow stiffened composite parts and structures
- Autoclave and Out of Autoclave (OoA) Mould Tools – Invar, Steel, Aluminium, Master Models and Composite Cure Tools
- RTM and RTI Tooling, Compression Mould Tooling

core activities
- Novel Tool Design Solutions and Consultancy (Composites and Metallics)
- Composite Distortion Analysis and Compensated Tooling Geometry
- Conceptual Design, Feasibility and Trade Studies

Sub-Assembly and Assembly Jigs / Fixtures, Trim / Drill and Vacuum Fixtures
CNC and In-Line Boring Fixtures

capabilities
- Tooling Engineering and Tool User Manuals
- R&D, Feasibility Studies and Trade Studies
- New Product Development
- Project and Tool Manufacturing Management
- CATIA V5 and CATIA V6 (3D Experience Platform)
- Conceptual Design, 3D Modelling and 2D Drafting
- Turn-Key Tooling Solutions, Design, Manufacture and Supply

approvals
- LMAT
- BOMBARDIER
- CCP GRANSDEN
- SPINTECH LLC / SMART TOOLING

contact
Arron Magill – Managing Director

phone
+44 (0) 77 1616 8092

email
arron.magill@mitech-design.com

web
www.mitech-design.com

year established
2018

no. of employees
<50

annual sales
<$1m
Morson Projects offers design, development and manufacturing services to the world’s leading military and commercial aerospace organisations. From lightweight composite structures to complete systems integration, Morson Projects’ engineers work independently, or in partnership with our client’s project delivery teams, to provide comprehensive support throughout design, development, manufacturing and in service.

**areas of expertise**
- Software Development
- Systems Engineering and Integration
- Structural Design and Analysis
- Tooling Design and Manufacture
- Through Life Support

**certifications**
- ISO 9001
- AS 9100
- ISO 27001
- ISO 45001
- ISO 14001
- Cyber Essentials Plus

**approvals**
- EASA Part 21J – EASA.21J.652
- EASA Part 145 Approval
- Achilles UVDB Verified
**overview**

Mydas Engineering is an Aerospace Engineering and Offload Company established in 2000 working with aerospace primes and tier 1 organisations. We can offer placement of engineers in your organisation or offloading of engineering work at our locations. In addition Mydas Engineering can offer you a bespoke, integrated support option, which is outside the traditional offload model.

**areas of expertise**

- Design Engineering
- Tooling
- Stress Engineering
- Manufacturing Engineering

**approval**

- Part 145 (in progress with partner organisation)

**core activities**

- Offload design, stressing and manufacturing
- Placement of engineers on site at client premises

**year established**

2000

**no. of employees**

<50

**annual sales**

<$1-$5m

**contact**

Richard Lennon

telephone

+44 (0) 28 9145 0107

email

richard@mydas-engineering.com

web

www.mydas-engineering.com
Mydas Recruitment Ltd
Sketrick House
Jubilee Road
Newtownards
Co.Down
BT23 4YH

contact
Richard Lennon
telephone
+44 (0) 28 9182 3992
e-mail
richard@mydasrecruitment.com
web
www.mydasrecruitment.com

core activity
- Bespoke recruitment solutions for the aerospace and space sectors
- Offload design, stressing and manufacturing

overview
We are a specialist engineering and technical recruitment consultancy servicing the aerospace, space and manufacturing sectors. We supply engineers to many of the primes and their supply chain associates.

areas of expertise
- Sourcing, head hunting, interviewing, provision of permanent and contract staffing, innovative staffing solutions
- Design Engineering
- Tooling
- Stress Engineering
- Manufacturing Engineering

year established
1993
no. of employees
<50
annual sales
$5-$10m

certification
- REC Certified

Mydas Recruitment Ltd
Sketrick House
Jubilee Road
Newtownards
Co.Down
BT23 4YH
overview
N.I. Precision Ltd are a quality and technology driven precision engineering business specialising in the manufacture of precision machined components for the Aerospace, Defence, Medical and Space Industries.

With investments in the latest in technology our facility has 3, 4 and 5 axis machining capability for complex components utilising technology from market leading machine tool and auxiliary equipment manufacturers such as Hermle AG, Haas Automation, Haimer GmbH, Lang Technik GmbH and Hexagon Manufacturing Intelligence.

Quality is at the core in all that we do as a business, benefiting from a newly installed temperature controlled inspection facility, equipped with a Hexagon Global S Chrome CMM for high speed, high accuracy inspection with the latest in PC Dimis software.

areas of expertise
- Prototyping
- 3D Design
- Component manufacture
- 3 axis machining up to 3000mm x 1016mm
- 4 and 5 axis machining
- CMM inspection of components up to 3000mm x 1000mm x 1200mm
- Treatments
- Ultrasonic cleaning and heated parts washing
- Aqua/Vapour blasting

certifications
- AS9100D
- ISO 9001:2015
Northern Ireland Advanced Composites & Engineering (NIACE)
Airport Road
Belfast
BT3 9EF

NIACE provides a unique collaborative open-innovation environment for the development of advanced materials and processes, including composites, polymers and 3D printing. It is member based hosting such companies as Bombardier, Collins Aerospace and Thales. NIACE is owned jointly by QUB and UU.

Areas of expertise
- Composites and polymer materials development
- Collaborative Research
- R&D manufacturing facilities
- Test Facilities

Contact
Dave Thompson
Telephone +44 (0) 28 9073 3117
Email Dave.thompson@niace-centre.org.uk
Web www.niace-centre.org.uk

Overview

Core activities
- Composites and polymers development

Year established
2012
No. of employees <50
Annual sales <$1m (N/A – Not-for-profit)
Northern Ireland Space Office
18 Carol Park
Newtownabbey
County Antrim
BT36 6SF

overview
The Northern Ireland Space Office (NISO) acts as a facilitator for the development of the space cluster and capabilities in Northern Ireland. NISO creates opportunities for regional industry, research institutions and government to engage with and benefit from space sector programs with space sector stakeholders across UK, Europe and globally.

areas of expertise
- Consultancy and advise on how to engage, partnering and existing opportunities.
- Facilitation of knowledge exchange with industry and research partners across UK, Ireland, Europe and globally.
- Proposal support and advice.
- Creation of themed workshops relevant to commercial development in the sector.

approvals
- Invest Northern Ireland
- ADS

core activities
- Development of programs and workshops to develop regional space skills, capabilities and activities. ‘Access to space’ events
- Facilitation and initial point of contact for space inward investment
- Space competency match making service to explore opportunities for Northern Ireland Space / European and Global Space Stakeholder engagement

Ancillary Services
- year established
  2011
- no. of employees
  <50
- annual sales
  $1m

contact
Robert Hill
telephone  +44 (0) 79 2927 8501
email  rabhill@hotmail.com
web  www.nispaceoffice.org.uk

overview
The Northern Ireland Space Office (NISO) acts as a facilitator for the development of the space cluster and capabilities in Northern Ireland. NISO creates opportunities for regional industry, research institutions and government to engage with and benefit from space sector programs with space sector stakeholders across UK, Europe and globally.

areas of expertise
- Consultancy and advise on how to engage, partnering and existing opportunities.
- Facilitation of knowledge exchange with industry and research partners across UK, Ireland, Europe and globally.
- Proposal support and advice.
- Creation of themed workshops relevant to commercial development in the sector.

approvals
- Invest Northern Ireland
- ADS
PING Handling Limited
Transit Shed 4 - Cargo Terminal
Belfast International Airport
Aldergrove
BT29 4AB

contact
Jonny McKinney
telephone
+44 (0) 74 0725 7218
email
Jonny.mckinney@pinghandling.com
web
www.pinggroup.co.uk

overview
PING Handling are a bespoke aircraft and cargo handling company, based at Belfast International Airport. PING Handling offer high profile and tailored services, specific to customers exact requirements. ‘Professional’, ‘Innovative’, ‘Neutral’, are all core competencies.

We can offer ‘end to end’ services through our sister company ‘PING Aviation’ giving you the comfort that your service requirements are managed from start to finish.

PING Handling are a young and enthusiastic company and pride themselves in fresh approach to all handling and logistical requirements.

core activities
- Aircraft and Cargo Handling
- IMPORT / EXPORT
- Customs capabilities (ITSF)
- CAA (Dft) Approved Facility with x-ray screening capabilities
- Storage and Transport
- Charters (end to end)

year established
2016
no. of employees
<50
annual sales
$1-$5m

areas of expertise
- Aircraft and Cargo Handling – All types of aircraft and cargo handled (including Dangerous Goods)
- Customs - Import and Export
- Security – X-ray screening of cargo making good for air travel
- General Storage and Final mile delivery
- Parcel Services – Global, EU and Domestic

certifications
- ISO9001
- AEO – Due to complete quarter 1, 2020

approvals
- CAA – secured (Dft listed) facility
- CAA – Approvals to handle all classes of Dangerous Goods
- Authorised Consignee / Consignor with Customs Guarantees
- ITSF – Internal Transit Shed Facility
Quality Blue Ltd
Quality Blue House
Newtownards
BT23 6XA

overview
Quality Blue was formed in 2018 with a focus on using ISO-based QMS and LEAN methods to drive process performance.

Quality Blue operates throughout Northern Ireland, Ireland, UK and Europe, in the following sectors: Aerospace, Defence, Space, Auto, Rail, IT, MedTec, Food Proc. and Business Services.

areas of expertise
- SC21 OE Strategic Partner and Training Partner providing a complete SC21 service
- CQI-IRCA Certified Principal Aerospace Auditor, providing a range of audit and training services
- Delivering a range of QMS support services, supplier audits, Internal audits
- Delivering a range of training courses, tools and methods to drive process performance

core activities
- The provision of Auditing, Training and Consultancy in Quality Management and LEAN Systems, to drive and continually improve process and business performance
- Training and project delivery in LEAN tools and methods, SPC, MSA, FMEA

certifications
- Certified QMS to ISO9001:2015
- CQI-IRCA Certified Principal Aerospace Auditor
- CQI-IRCA Certified Principal QMS Auditor
- CQI-IRCA Certified ISO27001 Auditor

approvals
- SC21 OE Strategic Partner
- SC21 OE Training Partner
- Approved service provider to Bombardier, Collins Aerospace and Thales
- Approved SC21 and ISO / AS91XX service provider for Invest NI
- Approved Practitioner for Benchmark Index®
- NQA Approved Associate Consultant program
- BSI Approved Associate Consultant program
overview
Over the past 20 years, our research engineers have developed space qualified Frequency Selective Surfaces (20-700 GHz) and electronic radiometer calibration switches for remote sensing instruments on EO satellites, Liquid Crystal and Electrochromic based electronically tunable phase shifters and antennas, and thin microwave absorbers suitable for integration into thermal blankets.

areas of expertise
- Retrodirective antennas for satellite broadband ground terminals (L and Ka bands) and for space launch vehicles;
- Liquid Crystal and Electrochromic based electronically tunable phase shifters and antennas;
- Micro-machined Frequency Selective Surfaces (FSS) for space borne remote sensing instruments;
- Electromagnetic absorbers based on resistively loaded FSS (e.g. for suppression of antenna backscatter on a nanosat);
- FSS design and manufacturing challenges for future space science missions.

certifications
- Dr Robert Cahill, Best Innovation Award at the 36th ESA Antenna workshop (2015) and at the 39th ESA Antenna workshop (2018);
- Dr Neil Buchanan, GSMA Mobile World Scholar 2018, Gold Winner for a flat self-steered high gain beam antenna, originally developed to track satellites in real-time, adapted to 5G mm-Wave networks.
A leading developer and supplier of next generation, high-performance digital night vision solutions for land, airborne, and space markets. Raptor offers a range of CCD, EMCCD and SWIR based camera solutions. As well as standard products, Raptor provides custom camera cores and solutions to worldwide Electro-Optics integrators and primes.

Raptor has been involved in several space related projects both on LEO Cubesats and earth-based ground stations for Earth Observation and for laser based data communications. Raptor cameras are currently in payloads on live missions.

Areas of expertise
- Experience and knowhow of sensor technologies, electronics, optics, firmware;
- Complete Turnkey manufacturing to match OEM custom camera requirements;
- SWaP reductions while maintaining highest quality images in terms of contrast and sensitivity;
- Rugged and compact: Designed for EMC and Environmental stress, shock and vibration;
- Cameras designed & manufactured in Northern Ireland, UK.

Certifications
- High Quality: BS EN ISO 9001:2015;
- Quality Workmanship: Class IPCa610, ESD & RoHS Compliant;
- Committed to preventing the use of grey / counterfeit goods as components within our products. All suppliers monitored for compliance with the Conflict Minerals rule, section 1502 of the Dodd-Frank Act (2010).
Resonate Testing Ltd
Unit 1 – Bridge Technology Park
Carnagat Lane
Chancellors Road
Newry
BT35 8XF

Resonate Testing Ltd
Unit 1 – Bridge Technology Park
Carnagat Lane
Chancellors Road
Newry
BT35 8XF

contact
Tom Mallon
telephone
+44 (0) 28 9073 6390
e-mail
TomMallon@TheNacelleGroup.com
web
www.resonatetesting.com

overview
Resonate Testing provides the aerospace and space industries with a unique offering, combining experience, engineering, in house design and fabrication to provide world-class mechanical and environmental testing where bespoke solutions to extreme requirements can be demonstrated.

UKAS accreditation to ISO17025 assures customers that testing is performed to the highest quality standards.

core activities
- Mechanical and environmental testing, combined environmental testing and validation and verification of parts and subsystems

year established
2015

no. of employees
<50

annual sales
$1-$5m

areas of expertise
- Vibration testing
- Environmental testing
- Fire and flammability
- Bespoke test solutions to extreme conditions
- Expert validation and verification, demonstrating compliance with customer requirements

certifications
- ISO17025
- ISO9001

approvals
Bombardier, Collins Aerospace, BAE Systems, Rolls-Royce, UK’s National Composite Centre, Meggitt, Icon Polymers, Zodiac and UEC.
RTA Ireland Ltd.
Unit 2, Kilkeel Business Park
3 Moor Road
Kilkeel
County Down
BT34 4NG

Ancillary Services

core activity
- Sourcing, procurement, warehousing, kitting, and distribution of hardware and components. 3PL/SMI final mile solutions. Mechanical assembly.

overview
RTA provides harmonised hardware, COTS, component, and SMI supply chain solutions, that consolidate supply chains and bills of material to reduce total procurement costs. Component (machined and sheet metal) manufacture is subcontracted to provide extended capacity to cater for quick reaction requirements. Full lot traceability maintained throughout.

areas of expertise
- Sourcing, procurement, warehousing, and stock management of hardware, COTS, and components (including SMI and CFE)
- Supply chain management and sub-contracted manufacturing capabilities including CNC milling, turning, forming and laser cutting
- Kitting to operation sequence using customer BoMs, and delivering just in time to build schedule
- Inspection and first article inspection reporting (FAIRs meet AS9102 requirements)
- Mechanical assembly, including helical wire inserts (Official aerospace distributor for Bollhoff)

certifications
- AS9100
- AS9120
- ISO9001
- SC21 Silver (3years)

approvals
- Bombardier Cat D

contact
Richard Hennity
telephone +44 (0) 28 4176 9800
email rhennity@rtaintl.com
web www.rtaintl.com

year established 1988
no. of employees <50
annual sales $5-$10m
RW Powder Coatings Ltd
46 Hillsborough Road
Comber
Newtownards
BT23 5PW

core activities
- Powder Coating
- Anodising

year established
2010
no. of employees
<50
annual sales
$1-$5m

overview
RW Coatings are a family run leading provider of Aerospace, Automotive, Defence and Architectural Powder Coating and Anodising.

They work to Rapid-Response on a daily basis and pride themselves on quality of product and service.

areas of expertise
- Anodising – Clear / Black / Bright
- Bead blasting, Buffing and Tumbling
- Passivation
- Powder coating – textured / smooth / anti-bacterial / bespoke colour matching
- Environmentally friendly paint removal

certifications
- AS 9100:2016 Rev D
- 9001:2015
- SC21 Bronze

approvals
- Thompson Aeroseating
- IGP Pulvertechnik
- Sherwin Williams
- Akzo Nobel

contact
Caroline Webb
telephone
+44 (0) 28 9044 9310
email
caroline@rwcni.com
web
www.rwcni.com

contact
Caroline Webb
telephone
+44 (0) 28 9044 9310
e-mail
caroline@rwcni.com
web
www.rwcni.com
overview
SAM Northern Ireland is one of the leading players in Northern Ireland, offering competitive manufactured solutions thanks to our unique know-how, advanced machining capabilities and proven track record delivering complex work packages to major Tier 1 players. SAM Northern Ireland has recently been acquired by Singapore Aerospace Manufacture PTE, a large multinational with 2250 employees and turnover of circa £400M.

areas of expertise
- Complex Machining of large aero structures up to 5m in length
- Machining of hard metal components
- Special Processes and surface treatments
- Six sigma process variation reduction studies
- Lean manufacturing

certifications
- AS 9100
- ISO 14001
- OHSAS 18001
- SC21 Silver Award

approvals
Bombardier, Safran, GE Aviation, Airbus and Premium Aerotech.
Secure Broadcast Ltd
Callender Buildings
Callender Street
Belfast
BT1 5HX

Secure Broadcast has developed a world first video technology, which combines multiple layers of data in real-time, enabling individualised videos for each viewer.

Your teams can securely create, upload, distribute and retract on-brand videos to dynamically communicate with internal and external audiences.

A full digital audit ensures the video process is completely compliant with regulation such as GDPR.

overview

Secure Broadcast has developed a world first video technology, which combines multiple layers of data in real-time, enabling individualised videos for each viewer.

Your teams can securely create, upload, distribute and retract on-brand videos to dynamically communicate with internal and external audiences.

A full digital audit ensures the video process is completely compliant with regulation such as GDPR.

core activity

- Video Engagement, Hyper-personalisation and Compliance Technologies

year established

2011

no. of employees

<50

contact

Chris O’Hanlon
telephone
+44 (0) 33 0113 4761
email
chris@securebroadcast.com
web
www.securebroadcast.com

areas of expertise

- Video technology R&D and engineering
- New forms of internal and external engagement with hyper-personalisation at scale
- Ensuring regulatory compliance, including GDPR
- Video storage, management and security

certification

- ISO 27001 certified company
Sirius Science Ltd
18 Carol Park
Newtownabbey
County Antrim
BT36 6SF

Sirius Science specialises in providing high-quality STEM education and outreach services. Focussing on space science and technology, and working in conjunction with Northern Ireland Space Office, we bring our unique 3D shows to schools, festivals and community events, enthusing and inspiring audiences of all ages to explore the universe.

**overview**
Sirius Science specialises in providing high-quality STEM education and outreach services. Focussing on space science and technology, and working in conjunction with Northern Ireland Space Office, we bring our unique 3D shows to schools, festivals and community events, enthusing and inspiring audiences of all ages to explore the universe.

**areas of expertise**
- Outreach: Utilising stealth learning to entertain audiences, making space science and technology accessible to all
- Public Engagement: Stimulating interest in the space sector and related industries across the island of Ireland
- Bespoke Outreach Design: Developing novel outreach tools to support meaningful CSR deliverables for companies
- STEM Career Opportunities: Profiling and promoting the wide range of STEM careers in the space sector

**approvals**
Supported by Invest NI and the European Regional Development Fund

**Contact**
Susan Heaney
Telephone: +44 (0) 77 7544 6289
Email: info@siriusscience.co.uk
Web: www.siriusscience.co.uk

**Core activities**
- Space science outreach
- Public engagement
- Bespoke outreach design service

**Year established**
2017

**No. of employees**
<50

**Annual sales**
$1m
Springco are a leading manufacturer in the UK of specialist springs for supply into Space and the Aerospace Sectors. Specialising in Nickel and Cobalt alloys for demanding applications including high temperature and cryogenics, Springco offer design, prototyping and production in any quantity required with a reliable delivery service.

**Areas of Expertise**
- Nickel and Cobalt Alloy specialists
- Specialist Spring Manufacturer for all types of application
- Full Design facility to develop a cost effective solution

**Overview**

Springco are a leading manufacturer in the UK of specialist springs for supply into Space and the Aerospace Sectors. Specialising in Nickel and Cobalt alloys for demanding applications including high temperature and cryogenics, Springco offer design, prototyping and production in any quantity required with a reliable delivery service.

**Core Activities**
- Spring manufacture in wire and strip
- Tubeform manufacture

**Certifications**
- SC21 Silver
- AS9100
- ISO 9001
- EFQM

**Approvals**
Wide range of customer approvals to include Aerospace, Space and Defence Industries.

**Quality Products**
Quality products that include in-house PMI testing
- Exporting experience worldwide

**Contact**
Connor Jordan
Telephone +44 (0) 28 3833 3482
Email Connor.jordan@springco.co.uk
Website www.springco.co.uk

**Manufacturing**
SPRINGCO (N.I.) LTD
21 Carn Road
Carn Industrial Estate
Portadown
BT63 5WG

**Core Activities**
- Spring manufacture in wire and strip
- Tubeform manufacture

**Year Established**
1954

**No. of Employees**
<50

**Annual Sales**
$1-$5m

**Contact**
Connor Jordan
Telephone +44 (0) 28 3833 3482
Email Connor.jordan@springco.co.uk
Website www.springco.co.uk
Thales UK Ltd
Alanbrooke Road
Castlereagh
Belfast
BT6 9HB

overview
Thales is a global technology leader for the Aerospace, Transport, Defence, Digital Security and Space market sectors. We employ over 80,000 people in 68 countries and in 2017 reported revenues of £14 billion. Roughly 25,000 Thales employees are involved in the Group’s technical operations from research to engineering, giving Thales a unique ability to design and deploy equipment, systems and services to meet the most complex requirements. Thales invests in growth through R&D and acquisitions, which saw Thales Group spend €730 million on Self-funded Research & Development in 2016.

In the UK, Thales employs 6,500 people and reported revenues of £1.3bn in 2017. We invest up to £720m in our supply chain, 75% (£575m) of which is sourced from the UK, supporting circa 20,000 jobs across Great Britain and Northern Ireland. As part of our focus on innovation and the development of new technology, we spend over £70m per year in the UK on research and technology. In 2017 Thales in the UK delivered over £560m worth of exports which represented growth of ~120% over four years.

Thales is dedicated to investing in our people and continues to create highly skilled jobs across the UK. We currently employ over 3,500 engineers and circa 350 graduates and apprentices across our 10 key sites. Ensuring continuous development and retention of young members of our workforce is one of our key priorities, as we continue to see an increase our intake each year.

areas of expertise
- Manufacture, Assembly, Integration & Test of Satellite Electric Propulsion Systems
- Manufacture Assembly Integration & Test of Satellite chemical propulsion systems
- Assembly and Test of space mechanisms
Ulster’s Vision is a university with an international reputation for excellence, innovation and regional engagement. Through our core business activities - teaching and learning, widening access, research and technology and knowledge transfer - we have achieved a reputation for developing and sustaining high-quality, regionally relevant provision, with particular emphasis on professional education for professional life.

areas of expertise
- Autonomous Software-Based Systems / AI
- Autonomic Computing (self-managing systems)
- Apoptotic Computing (pre-programmed self-death e.g. avoiding becoming space junk)
- Software Engineering / Reliable / Fault-tolerant / Dependable Systems
- Research / Academic Enterprise / Consultancy / Short Courses / Funding Proposal Development

overview
Ulster University
Jordanstown Campus
Shore Road
Newtownabbey
BT37 0QB

contact
Roy Sterritt
telephone
+44 (0) 28 9036 8198
email
r.sterritt@ulster.ac.uk
web
http://scm.ulster.ac.uk/space/

core activities
- Autonomous Systems
- Consultancy, R&D, Tech Transfer, Short Courses

year established
2002
no. of employees
<50 (Space Software R&D)
annual sales
$1m (Space Software R&D)
Ulster University is Northern Ireland’s civic university grounded in the heart of the community and makes a lasting contribution to society as a whole. We carry out world leading space industry relevant research and will play a key role in driving the space sector forward in Northern Ireland and globally.

areas of expertise
- Advanced materials in particular composites
- Sensing / Internet of things platforms
- Computing / Artificial Intelligence
- Robotics
- Wearable technology
Valuechain Technologies is a global enterprise software business, which provides modular ERP solutions for advanced manufacturing sectors, and supply chain intelligence solutions. Valuechain’s solutions are developed in collaboration with our 500+ SME clients and leading manufacturing companies including Airbus, Bentley Motors and Rolls-Royce, to provide scalable solutions for companies of all sizes.

**Areas of Expertise**
- Aerospace Manufacturing Software to digitalise business operations and ensure compliance with AS9100 and NADCAP

**Core Activities**
- Modular ERP systems for advanced manufacturing companies, to digitalise processes and help companies scale
- Supply chain intelligence software, including supply chain mapping, supplier performance management and supply chain collaboration
- Additive Manufacturing Software to provide full traceability of materials through multiple builds and powder recovery management
- Business Intelligence Software – capturing, analyse and present key business information across
Warmflow specialise in design, manufacturing, fabrication, sub assembly and kitting solutions. Based just outside Belfast in their modern 15,000m² facility Warmflow utilises state-of-the-art manufacturing technologies including PrimaPower punching, sheering, laser cutting, Salvagnini automated panel benders and ABB robotic welding enabling flexible, intelligent, repeatable lights-out production, enhanced efficiencies and reduced lead-times.

**overview**

areas of expertise
- Medium to large production volumes
- Welding – Mig/Tig/Plasma/Seam
- Automated Precision CNC punching/shearing/Laser
- Assembly of parts, components and kits
- Salvagnini Panel Bender

core activities
- Sheet metal punching, sheering, laser cutting and folding
- Sub assembly and full production line manufacturing

 certifications
- ISO9001:2015
- ASME –Section H

**contact**

Johnnie Black  
+44 (0) 28 9262 1515  
jblack@warmflow.co.uk  
www.warmflow.co.uk

**year established**

1982

**no. of employees**

51-249

**annual sales**

$10m +
Whiskin Precision Engineering Ltd provides a component manufacturing service and is a trusted partner to the Aerospace, Medical, Defence, Marine and Automotive Sectors, both locally and globally. We combine the strength of traditional Engineering knowledge with the flexibility of the latest CNC technology, delivering high quality components and service.

Areas of expertise:
- Precision Machining – Turning, Turn / Mill and 3, 4, 5 Axis Milling
- Design and Manufacture of Bespoke Tools, Jigs and Fixtures to the Aerospace Sector
- R&D Projects working as a trusted partner providing a complete solution from Design to Manufacture
- Reverse Engineering using latest CMM technology

Certifications:
- ISO 9001-2015
- AS9100 Rev D Pending
“Northern Ireland is already a dynamic and innovative part of the space sector in the UK. Today, more than at any time in the past, there is a great opportunity for companies in Northern Ireland to leverage their capabilities, processes, technology and applications into a vibrant national and global space sector. This will play an increasingly important part in helping the UK achieve its targets for the growth of the sector over the next ten years.”

Stuart Martin
CEO of the Satellite Applications Catapult