

Northern Ireland Aerospace



Northern
Ireland



Front cover image courtesy of Bombardier Aerospace Belfast - A220 Wing - designed, developed, manufactured and assembled in Northern Ireland.

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Northern Ireland Aerospace

A leading aerospace region

Northern Ireland is a global leader in aerospace technology. It has a dynamic, rapidly growing international aerospace industry founded on a strong engineering heritage and rich in knowledge, skills and experience.

Major aerospace corporations depend on Northern Ireland's reliable supply chain to provide quality high value-added products and services cost-effectively and on time using excellent logistical services.

Airbus, Boeing, Bombardier, Embraer, BAE Systems, Spirit AeroSystems and GKN Aerospace are among the OEMs and Tier One firms currently working with Northern Ireland Aerospace.

International investors successfully operating in the region include Rockwell Collins, Bombardier, Magellan and Thales.

Why Northern Ireland?

Northern Ireland Aerospace is a \$1.4bn industry and is one of Europe's leading aerospace regions in revenue terms, with over 90 companies employing over 10,000 people.

These companies are engaged at the leading edge of advanced aerospace design and manufacturing. Every major commercial aircraft programme depends on structures, components and expert services from Northern Ireland.

Northern Ireland Aerospace offers:

A reliable supply chain with expertise in key technologies including

- Precision machining
- Composites design and manufacturing
- Advanced metal forming

- Seating and interiors
- Design and stress
- Tooling design and manufacturing

Opportunities for right sourcing

- Major ongoing company investment in technology, people and R&D to support expanding production rates
- Proven ability to ramp up quickly - companies have successfully doubled output in two years
- Ability to support new programmes
- Established, successful supply chain quality system – SC21
- Focus on reducing cycle times and driving improvement through lean and innovation in the production system
- Increasing supply chain collaboration
- Low risk, culturally compatible environment

Approvals and accreditations

- Northern Ireland companies hold internationally recognised aerospace approvals and accreditations including AS9100, ISO9001 and NADCAP

Access to a highly educated and skilled workforce with a strong work ethic

- World-class universities and an extensive network of further education colleges provide excellent academic and vocational training
- 77% of high school graduates (post A-level) go on to further and higher education, compared to a UK average of 71%

- Northern Ireland candidates consistently outperform those from other UK regions at GCSE & A-level examinations
- In a recent international survey, Northern Ireland was described as an 'educational superpower' scoring top in primary math education in Europe and 6th in the world
- Northern Ireland has one of Europe's youngest populations – 55% of the population is under the age of 40

Close networking between industry, government and academia

- Strong partnership between academia, industry and government drives skills development in the region
- Regular communication between companies, universities and government departments ensures that courses meet industry needs
- Skills conversion programmes have been created to expand the talent pool

Access to and support from government

- Aerospace has been identified as a priority sector in Northern Ireland's Programme for Government
- The UK government and industry have committed a total of \$3.9bn for aerospace research from 2013 to 2026, to be delivered through the Aerospace Technology Institute (ATI)

Cost efficient location

- Corporation tax rate of 19%, with a commitment to reduce to 12.5%, the joint lowest in Western Europe.

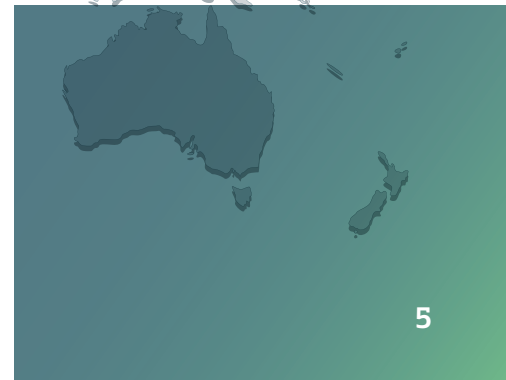
Northern Ireland

Location & Key Facts



Northern Ireland is part of the United Kingdom

- Ideally situated between Europe and the U.S
- Population – 1.8 million
- Three airports – daily flights to European business centres, Great Britain and the U.S
- 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





ADS Group Ltd

Core Activities

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

Year Established

2010

Employee Number

51 - 249

Annual sales

\$1 - \$5m

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 & missions



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www.amfni.com

Aerospace Metal Finishers provides a turnkey package of testing and metal services for the Aerospace Sector.

Areas of expertise:

- Harness testing and electrical conductivity testing of raw materials
- Non-destructive testing including both magnetic and fluorescent dye immersion
- Treatment processing anodizing, chromic, sulphuric, hard, boric-sulphuric & tartaric-sulphuric, titanium pickle, passivation of steel, conversion coating of aluminium
- Paint processing, including prime undercoat and top coat processing
- Parts identification processes



Aerospace Metal Finishers Ltd

Core Activities
Non-Destructive Testing and Finishing Material Treatments for the Aerospace Industry

Year Established
2002

Employee Number
51-249

Annual sales
\$1-\$5m

Certifications
NADCAP Chemical Processing,
NADCAP NDT, AS 9100,
ISO 9001:2015

Approvals
Bombardier Aerospace, Airbus UK & Germany,
Boeing, Safran Aircelle, MOOG, Thales

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BALLYMENA
BT42 3AE



ALL METAL SERVICES

All Metal Services Ltd

Core Activities

Raw material and supply chain management

Year Established

1974

Employee Number

<50 (at Belfast)

Annual sales

\$10m+

Certifications

ISO 9001:2008

AS 9100

AS 9120

Approvals

Bombardier Aerospace, MOOG,
Airbus, Agusta Westland,
BAE Systems Military,
BAE Systems Civil (regional)

Contact

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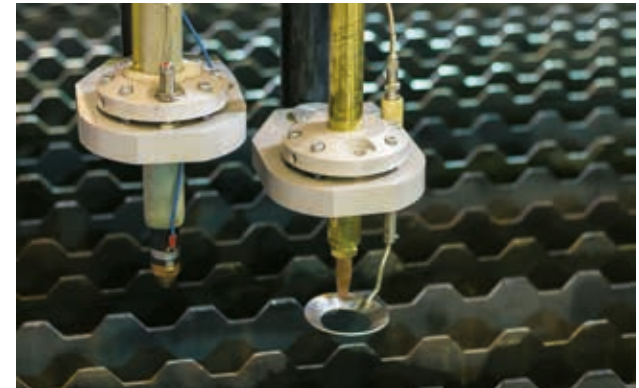
Unit D Sydenham Business Park
22 Heron Road
BELFAST
BT3 9LE

All Metal Services is the largest, independent raw materials service provider to the Aerospace & Defence industries.

All Metal Services offers total supply chain management systems for the aerospace and defence sectors.

Areas of expertise:

- Material management solutions
- Plate and bar cutting service, offering cut to size billets
- Stocks of aluminium, steel, titanium and alloys
- Five UK and four international sites



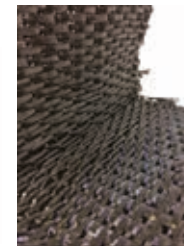


www.axis-composites.com

Axis Composites Ltd has a primary goal to commercialise 3D woven Carbon Fibre preforming, research and advanced manufacturing techniques.

Areas of expertise:

- The company's focus is on all aspects of modern composite technology
- Assisting and collaborating with clients in the design and development of labour saving 3D woven Preforms
- Production of technically advanced structural composite components
- Manufacturing solutions and development programmes to produce advanced composites for a broad spectrum of industries. These include Aerospace, Automotive, Ballistic, Construction, Mass Transport, Medical, Marine, Renewable Energy and Sports



Axis Composites Ltd

Core Activities

- 3D weaving of textile composites
- 2D weaving of technical textiles
- RTM moulding

Year Established

2010

Employee Number

<50

Annual sales

<\$1m

Contact

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and Engineering Centre (NIACE)
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BT3 9EF



Belfast Aircraft Stress Engineers Ltd

Core Activities

Engineering Design & Development including stress analysis

Year Established

2000

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

AS9100

BS EN ISO 9001:2015

SC21 Bronze

BASE has been providing engineering solutions to the European and US Aerospace market since 2000. BASE is renowned for airframe structural design and analysis, serving many of the biggest names in aerospace and defence and designing structures in both metallic and in composite materials to solve challenges of safety, cost and delivery.

Areas of expertise:

- Analysis and light weighting of aeronautical structures
- Specialising in design and analysis of metallic and composite structures
- Product design of structures and systems using Catia V4/V5
- Finite Element Analysis simulation using MSC Nastran/Patran
- Niche analysis capabilities including: durability and damage tolerance, vibration and flutter analysis and impact



Contact

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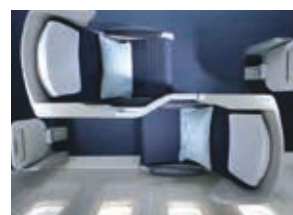


www.beaerospace.com

B/E Aerospace designs, develops and manufactures a broad range of products for both commercial aircraft and business jets.

Areas of expertise:

- Aircraft cabin seating
- Lighting systems
- Oxygen systems
- Food & beverage preparation and storage equipment
- Cabin interior reconfiguration, programme management and certification services



B/E Aerospace UK Ltd

Core Activities

Aircraft Seating

Year Established

1987

Employee Number

250+

Annual sales

\$10m +

Certifications

AS9100

ISO 9001

ISO 14001

ISO 50001

ISO 22301

OHSAS 18001

Approvals

Boeing, Airbus, Sukhoi

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Belfast Metropolitan College

Core Activities

Training
Consultancy
Manufacturing

Year Established

1906
Rebranded Belfast
Metropolitan College 2007

Employee Number

250+

Approvals

TWI Certification Ltd Centre,
under the Certification Scheme
for Welder Training Organisations
(CSWTO), and delivering a wide
range of services to industry

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BT1 1HS

Belfast Metropolitan College provides expertise in traditional machining, CAD/CAM, aerodynamics, foundry practice, materials science, welding process development and coding.

Belfast Metropolitan College provides education for Northern Ireland's leading aircraft manufacturer and is currently delivering training in aircraft maintenance aligned to Part 66, in conjunction with the Ulster Aviation Society.

Areas of expertise:

- Design for manufacture
- Advanced composite manufacturing techniques and training
- Computer numerically controlled manufacturing processes
- Aerodynamic analysis
- Destructive and non-destructive material testing





www.blueeagleprecision.com

Blue Eagle Precision specialises in precision components for the aero-seating market offering:

- Precision engineering capabilities up to five axis milling work
- A wide range of metals and plastics such as stainless steel, aluminium, tufnol and nylon
- A range of aluminium seat legs, arm rests and other seat parts
- Machine prototyping, manufacture and tooling
- Mould work including three-dimensional mould production vacuum and injection

Areas of expertise:

- 3, 4 and 5 axis machining capabilities
- Rapid response facility
- CMM inspection
- Openmind-hypermill software and mastercam X7



Blue Eagle Precision Ltd

Core Activities

Precision Engineering

Year Established

1999

Employee Number

<50

Annual sales

\$5-\$10m

Certifications

ISO 9001

AS 9100



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BOMBARDIER

www.uk.bombardier.com

Bombardier

Core Activities

Design and manufacturing

Year Established

Established as Short Brothers in 1908

Employee Number

250+

Annual sales

\$10m +

Certifications

EASA Part.21.G Production Organisation Approval

EASA Part.21.J Design Organisation Approval

EASA Part.145 Maintenance Repair and Overhaul

Approval

Approvals

AS9100 Quality System Aerospace

AS9110 Quality System

ISO 14001:2015 Environmental

Management System

NUCAP/Nadcap

Contact

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Bombardier's Belfast operation is the largest investor in Northern Ireland and the largest manufacturing company, with a total workforce of around 4,000. It specialises in the design and development of complex composite and metallic structures, including wings, engine nacelles and fuselages and has a comprehensive after-market support business.

Areas of expertise:

- Design, manufacture and assembly of major primary aircraft structures
- Research and Development
- Advanced composites technology
- Maintenance, repair and overhaul
- Precision machined parts



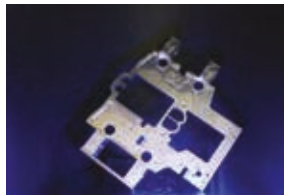


www.boyceprecisionengineering.com

Boyce Precision Engineering is a precision machining company established in 2006. Key markets include aircraft interiors where Boyce's partnership approach is key to providing optimum solutions for exacting customer requirements.

Areas of expertise:

- 5 Axis/3 Axis hard metal machining
- Jigs and fixtures
- High quality cosmetic machined components for aircraft furnishings
- Flexibility for rapid response
- Full CMM capabilities



BOYCE PRECISION ENGINEERING LTD

Core Activities

- 3 Axis CNC Milling
- 5 Axis CNC Milling
- 4 Axis Turn Milling

Year Established

2006

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

- AS9100
- ISO 9001 2008
- SC21 Bronze

Approvals

- Thompson Aero Seating
- B/E Aerospace

Contact

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Bradfor Ltd

Core Activities
Manufacturing

Year Established
1996

Employee Number
51-249

Annual sales
\$5-\$10

Certifications
AS9100
ISO9001
Investors in People Bronze Award

Approvals
B/E Aerospace Kilkeel,
Winston Salem, Leighton Buzzard

Bradfor manufactures seat covers, diaphragms, pull straps and life vest pouches for local and international aerospace companies that manufacture aircraft seats for prestigious airlines. Bradfor also has a skilled team to upholster literature pockets and armcaps.

Areas of expertise:

- Pattern digitising
- Manufacture of aircraft seat coverings
- In-house product development to meet customer specifications
- Upholstery of literature pockets



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Causeway provide full service design, manufacture and assembly of aircraft galleys, monuments and cabin ancillaries for commercial or VIP fixed wing or rotary aircraft. In house design, attention to detail and agile programme managers ensure delivery on time, on specification and on budget. No matter the scale of your project, Causeway has the experience, supply chain and expertise to deliver.

Areas of expertise:

- Proprietary range of modular reconfigurable galleys
- Galley refurbishment and reconfiguration
- Capacity for client structure build to print offload
- Small batch production of narrow body and wide body galleys
- Design and stress services & programme management



Causeway Aero Group Ltd

Core Activities

Design, Manufacture and Assembly of Aircraft Galleys, Interior Monuments and Ancillaries

Year Established
2016

Employee Number
<50

Annual sales
<\$1m

Certifications
AS9100 – pending
SC21 – pending

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CCP Gransden
ADVANCED COMPOSITES

CCP Gransden Ltd

Core Activities

The design and manufacture of composite and thermoplastic products

Year Established

Group: 1893

Employee Number

<50

Annual sales

\$5-\$10m

Certifications

OHSAS 18001:2007

ISO 14001:2015

ISO 9001:2008

AS9100

SC21 Bronze award

Approvals

Rockwell Collins, Bombardier Aerospace, Thales

CCP Gransden is a leading specialist composite and thermoplastic manufacturer with over 100 years in business. It provides clients with enhanced manufacturing flexibility through one of the UK's largest selection of in-house composite manufacturing processes. CCP Gransden supplies components and final assemblies for Aero Structures, Aircraft Interiors, Defence and Automotive Sectors.

Areas of expertise:

- In-house design capability using the latest 3D Experience Platform (CATIA V6) offering prototyping services, component design and tooling design
- Research and Development strategic partnering, offering commercial and co-founded R&D services for advanced composites and thermoplastics
- Advanced composite processing and manufacturing. Press forming, Single-Stage Injection over-moulding, HPRTM, Filament Winding, Compression Moulding, Pre-Preg Layup, Waterjet cutting and CNC machining
- Project management from inception to completion on customer projects, including sub-contracting and outsourcing services



Contact

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Centre for Competitiveness (CforC) is a membership based, Not for Profit, organisation which focuses on all key areas of Continuous Improvement. CforC provides a range of training, facilitation and recognition services across all sectors. The key partners in service delivery are EFQM, ADS, Global Federation of Competitiveness Councils and COTRI.

Areas of expertise:

- Facilitation of Improvement Programmes (in a range of sectors)
- Recognition schemes (European and National)
- Innovation (Capability Assessment and Recognition)
- Training and Education



**Centre for
Competitiveness**

Core Activities

Training and Education
Facilitation of Improvement Programmes
Recognition (EFQM European Excellence
Recognition and ADS Aerospace SC21)

Year Established

1989

Employee Number

<50

Annual sales

< \$1m

Certifications

EFQM Committed to Excellence

Approvals

ILM Approved Centre, EFQM Country
Partner for Northern Ireland and Ireland,
ADS Strategic Partner for Northern Ireland and
Ireland, Country Partner for COTRI (China
Outbound Tourism Research Institute Northern
Ireland and Ireland).

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BT3 9DT



Clinty Regen Ltd

Core Activities

Chemical Processing & Crystallisation
Chemical Regeneration

Year Established

1997

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

IPPC licence
ISO 9001
ISO 14001
ISO 18001

Approvals

Bombardier Aerospace

Clinty Regen provides cost effective and environmentally-friendly chemi-milling solutions to reduce chemical purchase and waste streams whilst increasing plant output. Clinty assists companies to reduce waste, increase process control, efficiencies and profits through better practices.

Areas of expertise:

- Regeneration of caustic waste
- Recycling of aluminium hydrate for water treatment
- Reducing disposal costs
- Reducing environmental costs



Contact

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CM Precision Components specialises in CNC machining of small-medium sized batches of component parts. CM Precision prides itself on quality, efficiency and response times.

Areas of expertise:

- Sub assembly of parts and components
- Quality control
- Quick turn-around



CM Precision Components Ltd

Core Activities

Component part manufacturing

Year Established

2007

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

ISO 9001:2000

Approvals

Bombardier Aerospace

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Copas Technologies Ltd

Core Activities
Manufacturing

Year Established
2006

Employee Number
<50

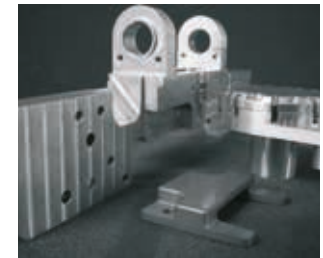
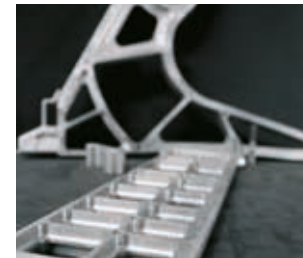
Annual sales
\$1-\$5m

Certifications
ISO9001
AS9100
SC21 - pending

Copas Technologies Ltd specialises in manufacturing precision engineered components for the aerospace market. Copas Technologies offers quality engineered parts together with a Rapid Response and Rework service. It has multiple DMG 5 Axis machines and Doosan CNC milling machines.

Areas of expertise:

- 5 Axis machining
- 3 Axis machining
- Rapid response service
- Rework service
- CAD/CAM engineering support
- CMM & camera based inspection



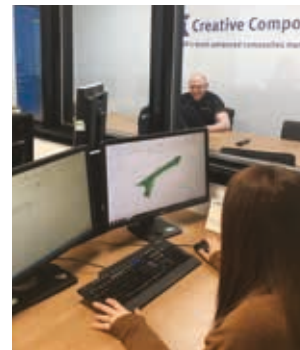
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Creative Composites is the UK's most advanced composites manufacturer, at the leading edge of what can be achieved with composites, supplying innovative products for demanding applications through outstanding engineering design, unrivalled manufacturing capability and first class customer service, across a variety of industries including aerospace, automotive, mass transit and off-highway.

Areas of expertise:

- Better design – highly-skilled in-house engineering team delivers component design from concept to production to ensure products are optimised for performance and cost
- Better manufacturing – operates from a purpose-built 140,000 sq.ft facility with the latest compression moulding technology robotics, 5-axis CNC centres and state-of-the-art painting and top-coating facilities
- Better service – offers dedicated account management, excellent delivery performance, highest quality standards, and flexibility to meet demanding customer schedules
- Specialists in compression moulding, RTM and hand-laminating
- Extensive knowledge of advanced composites



Creative Composites Ltd

Core Activities

Design and manufacture high quality composites components

Year Established

2000

Employee Number

51-249

Annual sales

\$10m +

Certifications

- ISO 9001
- ISO 14001
- ISO 18001
- ISO/TS 16949

Approvals

Thales

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Crossen Engineering Ltd

Core Activities

Metal Forming & Fabrication
Press tool and Injection Mould Tool Manufacture
Production Plastic Injection Moulding
Production Metal Pressing
CNC & EDM Machining

Year Established

1975

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

AS 9100

Approvals

Bombardier Aerospace,
Thales, B/E Aerospace,
Chromalloy & Seal Dynamics

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Crossen Engineering's unique metal forming techniques reduce the weight and cost of components such as engine air seals. Other products and services include:

- MRO lipskin repair segments
- Pressed, high temperature alloy components for aero engines
- Specialist metal forming processes and reverse engineering
- Press tool and injection mould tool design and manufacture
- Pressed metal and moulded plastic components

Areas of expertise:

- Press & Mould Tool Design
- Fabrication - Presswork
- Tool Making - Mould Tools
- Tool Making - Press Tools
- CNC Machining & EDM Machining



Cunningham is the market leader in providing clever protective industrial textile covers for the aerospace industry. Protecting high value assets with unique ground breaking covering solutions. A range of standard items and also bespoke projects are a speciality to Cunningham.

Areas of expertise:

- Moisture vapour engine bags
- Ground support equipment covers
- Engine maintenance protective covers
- Aircraft stair bellows
- Maintenance lean mats
- Engine covers



Cunningham Covers Ltd

Core Activities

Clever protective covers for the safeguarding of high value aviation parts, engines and machines

Year Established

1969

Employee Number

51-249

Annual sales

\$5-\$10m

Certifications

ISO 9001: 2015

Approvals

Queen's Award for Enterprise 2017

Contact

Peter Smith

E: peter@cunningham.com

T: +44 (0) 28 7964 2638

W: www.cunningham.com

Address

Glenshane Industrial Park

Tobermore Road

MAGHERA

BT46 5DR



Cuthbertson Laird Group

Core Activities

Electrical Test Equipment

Year Established

1980

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

ISO 9001

Laird Group has supplied the leading test instruments to the UK Market and is well established as one of the best known technical distributors in Ireland and throughout the UK.

Cuthbertson Laird Group has a diverse customer base that includes Utilities, Facilities Management, Aerospace Industry, Rail, Education, Communications, Manufacturing, Pharmaceutical and it also supplies individual electricians and contractors directly.

Its Ireland branch, based in Belfast, offers Sales, Repair, Calibration and Hire of Test and Measurement Equipment manufactured by all the major brands including Megger, Fluke, FLIR, GE Druck, Testo, Chauvin Arnoux, Radiodetection, T&R Test, MK Test and many more, with the capability for the Repair and Calibration of Electrical, Temperature, Pressure, HVAC, Safety, Airflow, Power Quality and Thermal Imaging equipment etc. It offers excellent standard turnaround times usually 1-2 days and same day turnaround if necessary.



Areas of expertise:

- Specialists in test and measurement instrumentation
- First class technical support and demonstrations available
- Calibration services including electrical, pressure, temperature and metrology
- Authorised approved distributor and service centre for all leading manufacturers
- The company offers a huge selection of locally stocked instruments at a competitive price

Contact

Nick Compton

E: Belfast@cuthbertsonlaird.co.uk

T: + 44 (0) 28 9083 0302

W: www.cuthbertsonlaird.co.uk

Address

Unit 4 River Park

Black Water Road

NEWTOWNABBEY

BT36 4TZ



www.datum-design.com

Providing innovative tooling and production solutions for primary structure composites to global OEMs. Multi-faceted tooling capability supported by in-house developed design knowledge. Capability to provide first article build prior to shipping on first article build support. We also manufacture certified lifting and handling equipment, assembly fixtures and various other ground support equipment.

Areas of expertise:

- Tool design
- Tool manufacture
- Components
- Prototyping
- Consultancy



Datum Tool Design Ltd

Core Activities

Aerospace tool design, tool manufacture, consultancy, thermal and structural analysis, component manufacture

Year Established

1996

Employee Number

<50

Annual sales

\$5-\$10m

Certifications

ISO 9001

ISO 14001

AWS APPROVED WELDERS

Approvals

Bombardier Aerospace, Airbus, GKN, Thales, AVIC-COMAC

Contact

Michael Maguire

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T: +44 (0) 28 9756 1015

W: www.datum-design.com

Address

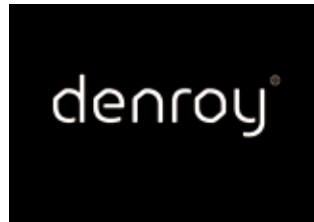
Unit 1, Factory 1, McGrath Buildings

Lissue Industrial Estate

Lissue Walk

LISBURN

BT28 2SU



Denroy Plastics Ltd

Core Activities

Plastics Injection Moulding and associated assemblies

Year Established

1972

Employee Number

51-249

Annual sales

\$10m +

Certifications

AS/EN 9100, SC21 Gold
ISO 9001:2008
ISO 13485:2003 (BSI MD515263)
UL QMMY2 E210290, FSC-C001684
BS8555 Phase 4 Environmental

Approvals

Airbus, BAE Systems, Bombardier
Aerospace, GKN, Spirit AeroSystems,
CTRM, TATA, Triumph USA, Thales,
Chemring

Contact

Jim Knowles
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T: +44 (0) 28 9127 7564
W: www.denroy.com

Address

Balloo Drive, Balloo Industrial Estate
BANGOR
BT19 7QY

Denroy Plastics is a leading supplier of injection moulded components and associated assemblies to various industrial sectors. With on site design capabilities, mould tool manufacture and a range of 35 injection mould presses, the company offers a complete work package from project management to dispatch to point of use.

Areas of expertise:

- Product design assistance using CATIA V5 and Pro E software
- In house tooling capabilities – manufacture of new tooling and repair of existing tooling
- Component manufacture – machine range 5t to 900t presses including 2 shot moulding
- Specialist in processing PEEK, Fortron, Ultem along with standard material grades
- Advice on metal conversion for weight / cost saving offered





www.derryprecisiontools.co.uk

Derry Precision Tools is a privately owned precision engineering organisation with a long established history of partnering with Aerospace, Automotive, Oil & Gas, Power Generation and Pharmaceutical companies. A global supplier it specialises in complex engineering processes, surface finishing and advanced cleaning solutions for the manufacture / sub-assembly of machined components.

Areas of expertise:

- 3, 4 and 5 axis precision machining employing world-leading equipment & associated technologies
- Advanced cleaning solutions
- Sub-assembly & test
- Surface finishing: including anodising, blasting, alocrom & passivation
- Full supply chain management



Derry Precision Tools

Core Activities

Precision Machining, Surface Finishing & Advanced Cleaning

Year Established

1972

Employee Number

<50

Annual sales

\$5-\$10m

Certifications

AS9100
BS EN ISO 9001:2015

Approvals

Full range of aerospace customer specific approvals

Contact

Gerry Doherty
E : gerry@derryprecisiontools.com
T : +44 (0) 28 7128 8006
W : www.derryprecisiontools.co.uk

Address

18 Balliniska Road
Springtown Industrial Estate
DERRY
BT48 OGL



DHL Global Forwarding (UK) Ltd

Core Activities
International Freight Forwarding and Logistics

Year Established
1969

Employee Number
250+

Annual sales
\$10m +

Certifications
ISO 9001:2008 (Quality)
ISO 14000:2004 (Environment)
SC21 Bronze, Certified AEO

Approvals
DHL works with many Aerospace companies, including local, national and international

Contact
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W : www.dhl.co.uk

Address
Unit 6, New Cargo Building
Belfast International Airport
BELFAST
BT29 4GB

DHL is the global market leader in the logistics industry and it is expert in international express, air and ocean freight, road and rail transportation. A global network composed of more than 220 countries and 315,000 employees worldwide, DHL offers customers superior service, quality and local knowledge to satisfy their supply chain requirements.

Areas of expertise:

- Aerospace and defence sector logistics
- International ocean freight forwarding
- International air freight forwarding
- Project cargo





www.donite.com

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.

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



Donite Plastics Ltd

Core Activities

Industrial Thermoforming
Toolmaking
CNC and Fabrication

Year Established

1981

Employee Number

<50

Annual sales

\$1 - \$5m

Certifications

ISO 9001:2015

Contact

Stephen Kissick
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T: +44 (0) 28 9263 9995
W: www.donite.com

Address

8 Station Road
SAINTFIELD
BT24 7DU



Dontaur Engineering Ltd

Core Activities

Manufacture of aerospace components and assemblies from ferrous & non-ferrous metal using CNC machines

Year Established

1976

Employee Number

51-249

Annual sales

\$10m +

Certifications

AS 9100:2016

ISO 9001:2015

SC21 Silver Award

Approvals

Airbus, Bombardier Aerospace,
GE Aviation, Thompson Aero Seating

Dontaur Engineering is a premier supplier of detailed components, assemblies & kits in line with the requirements of the AS9100:2016 Aerospace Standard. Based on many years of expertise, working within the aerospace industry, Dontaur has concentrated on innovative machining techniques which maintain consistent quality of the highest standards.

Areas of expertise:

- Edgecam Part Modeller & Edgecam Solid machinist
- Catia V5 R2015
- DMU Enovia V5-6 R2015
- 3, 4 and 5 axis milling, multi axis turning, grinding, thread rolling & assembly
- Full CMM inspection capabilities



Contact

Nigel Hicklin

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Address

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BALLYMENA
BT42 3AZ

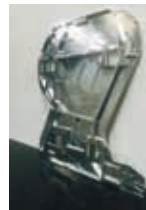
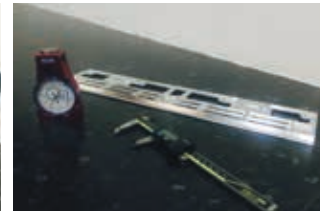
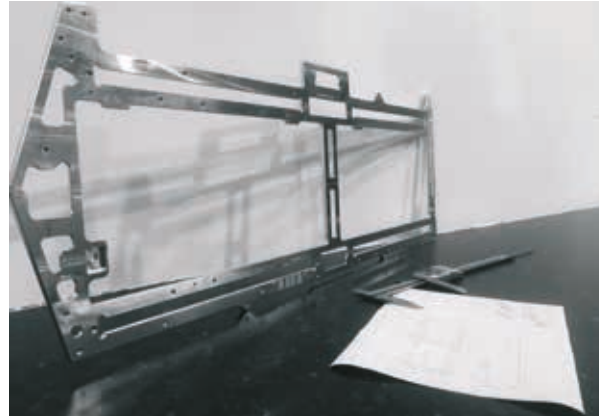


www.doranengineering.com

Doran Precision Engineering specialises in the manufacture of precision components for the aerospace, medical devices and motorsport industries. Doran Precision delivers to the high standards expected in today's market and offers batch production work, rapid response and rework services.

Areas of expertise:

- 20+ years manufacturing precision components for the aerospace industry
- 3 axis CNC machining and 5 axis UMC machining
- Faro Arm Gage for full product inspection
- Excellent rapid response lead times
- Excellent reworking facilities



Doran Precision Engineering

Core Activities

Precision Engineering

Year Established

1992

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

ISO 9001:2015

SC21 Bronze

Approvals

B/E Aerospace,

Thompson Aero Seating

Contact

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T : +44 (0) 28 4372 2975

W : www.doranengineering.com

Address

Unit 4

84b Dundrum Road Industrial Estate

NEWCASTLE

BT33 0IN



EIRTECH AVIATION COMPOSITES LTD

Core Activities

Maintenance
Repair
Overhaul

Year Established

2018

Employee Number

<50 -

Annual sales

\$1 - \$5m

Approvals

EASA Part 145: Reference: IE.145.074
C3 Comms and Nav
C6 Equipment
C8 Flight Controls
C20 Structural

Contact

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W : www.eirtechaviation.ie

Address

Units 8 – 10 Pinebank
Channel Commercial Park
Queen's Road
BELFAST
BT3 9DT



www.eirtechaviation.ie

Eirtech Aviation Composites Ltd offers the repair and overhaul of composite components on commercial aircraft including flight controls, nacelles, wing to body fairing and overhead bins.

Eirtech Aviation Composites Ltd is a sister company of Eirtech Aviation Services Ltd based in Shannon, Ireland.

Areas of expertise:

- Composite Repair
- Nacelle Repair & Overhaul



Electronic Automation Engineers offers a specialised service, providing bespoke or predefined Automation System design and integration of machinery/manufacturing systems.

EAE continuously innovates, develops and evolves with technology to offer clients the integral cutting edge to stay ahead of the ever changing manufacturing demands of today's and tomorrow's world.

Areas of expertise:

- Temperature uniformity – test to meet aerospace requirement specifications required by AMS 2750 issue E and Baerd Gen 007
- System accuracy / data acquisition – (IF) factory development to make machine control smarter and more versatile
- Automation design and build
- Integration of unique aerospace production line startups
- Systems support and aftersales assistance



ELECTRONIC AUTOMATION ENGINEERS LTD

Core Activities

Machine design & build, Automation intergration, Thermal uniformity surveying, SLA / MTC support

Year Established

2008

Employee Number

<50

Annual sales

\$1 - \$5m

Certifications

ITAR Approval for BAE Systems / Lockheed Martin

Approvals

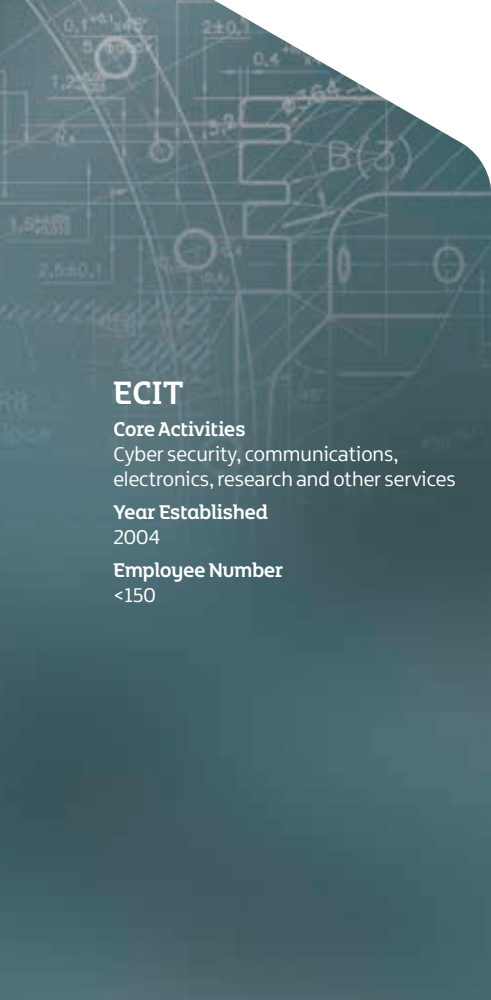
Bombardier Aerospace, Airbus, BAE Systems – F35 Lighting Strike 2, Thales

Contact

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T: +44 (0)28 9182 0034
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Address

The Innovation Centre
Northern Ireland Science Park
Queen's Road, Queen's Island
BELFAST
BT3 9DT



ECIT

Core Activities

Cyber security, communications, electronics, research and other services

Year Established

2004

Employee Number

<150

Contact

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T: +44 (0) 28 9097 1700
W: www.ecit.qub.ac.uk
www.csit.qub.ac.uk

Address

ECIT, Northern Ireland Science Park
Queen's Road, Queen's Island
BELFAST
BT3 9DT



The ECIT Institute was established to commercialise world-class research and expertise in a variety of enabling digital communications technologies at Queen's University Belfast. ECIT hosts the Centre for Secure IT (CSIT) (which is the UK's national Innovation and Knowledge Centre (IKC) for cyber security) and also the Centre for Wireless Innovation (CWI).

Areas of expertise:

- Physical Unclonable Function (PUF) – a technology that can provide device authentication, providing a trust anchor and the potential for traceability of parts
- Cyber Security, Cyber Physical Systems and Critical National Infrastructure/SCADA security
- Antenna Design. L-Band, Ku-Band and Ka-Band Research and Development capability
- 5G and beyond future wireless communication capabilities



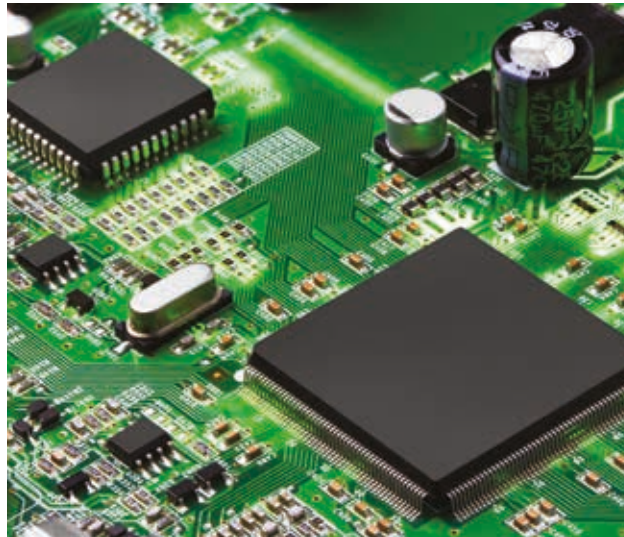


www.elitees.com

Elite Electronic Systems is a leading provider of sub-contract electronic manufacturing services, to a diverse customer portfolio of innovative and successful companies in the UK, Ireland and internationally. Employing over 200 people in 70,000 sq. ft. facility, Elite utilises state-of-the-art equipment to provide complete turnkey manufacturing, excellent quality and flexible scheduling.

Areas of expertise:

- PCB assembly for aerospace, medical, security, telecoms and consumer markets
- Cable assembly for power generation, off highway vehicles and heavy plant
- Complete system integration
- World class people, plant & processes
- Tailored customer solutions including configuration, order fulfilment and engineering support



Elite Electronic Systems Ltd

Core Activities

Electronic Manufacturing

Year Established

1986

Employee Number

51-249

Annual sales

\$10m+

Certifications

ISO9001:2015

ISO13485:2012

Contact

Damian McCusker

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T: +44 (0)28 6632 7172

W: www.elitees.com

Address

Lackaboy Industrial Estate

ENNISKILLEN

BT74 4RL



EURO-COMPOSITES® S. A.

Core Activities

Production and processing of composite structures and assemblies

Year Established

1985

Employee Number

250+

Annual sales

\$10m+

Certifications

Airbus Group (Oct. 1985), Boeing 8-124 (Spring 1987), Boeing D1-4426, Boeing 5317, ISO 9001 & SAE AS 9100, ISO 14001 (in progress), NADCAP, IRIS, EASA 21 Part G, EASA Part 145, EASA 21 Part J (in progress)

Approvals

OEM's and First Tiers worldwide

Contact

Tony Wilson

E : tonyw675lt@icloud.com

T : + 44 (0) 78 4139 0434

W : www.euro-composites.com

Address

Scottish Provident Building

7 Donegall Square West

BELFAST

BT1 6JH

The EURO-COMPOSITES® Group is a Global Player within the international aviation industry, delivering high-quality and sophisticated honeycomb composite materials:

It offers ready-to-assemble parts and structures formed and / or milled composite parts, panels, laminates, and honeycomb core materials.

Areas of expertise:

- Nomex, Kevlar and Glass Fibre honeycomb producer
- Machined honeycomb parts for structural applications (heat formed)
- Delivery of sandwich panels with honeycomb core for interior applications
- Delivery of machined and assembled (with integrated reinforcements, edge and core filler and inserts) sandwich panels
- Parts and assemblies of monuments for lavatories, galleys, crew rest compartments etc
- Autoclave capacity for 3D parts





www.exactgroupni.com

Exact CNC is a specialist service provider with over 70,000 sq ft of precision engineering workspace, specialising in CNC composite trimming and Preparation, Priming and Finished Spraying, of composite aerospace parts. It is also dedicated to rapid response manufacturing/machining of precision CNC parts for aircraft interiors. It supplies moulds in model board/aluminium, offers full CNC design/programming for aerospace parts and manufactures production lines for aerospace facilities.

Areas of expertise:

- CNC Composite Trimming
- Composite Part Preparation
- Composite Part Finishing
- Rapid Response CNC machining
- Production line manufacturing and CNC machining for Aerospace industry
- Full Supply Chain Management including special processes
- Sub Assembly of parts and components
- 2/3/4/5/7/9 axis machining/ turning



Exact CNC

Core Activities

CNC Composite Trimming, Composite Preparation, Composite Finishing, CNC Rapid Response Machining, Production Line Design/ Manufacture, Clear Chemical Coating, Powder Coating and Inserting

Certifications

ISO 9001
AS 9100
SC21 Pending

Contact

Richard Hughes
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W : www.exactgroupni.com

Address

7-9 Craigmore Mill Industrial Estate
Craigmore Road, NEWRY
BT35 6JR



Fleet Maintenance Ireland Ltd

Core Activities
Engineering

Year Established
2010

Employee Number
<50

Annual sales
\$1-\$5m

Approvals
Bombardier Aerospace,
SDC & Datum Design

Fleet Maintenance Ireland Ltd is a commercial engineering company manufacturing specialist transport systems for the aerospace and commercial vehicle industry.

Areas of expertise:

- Heavy engineering (transport)
- Hydraulic systems



Contact
Mark McAlinden
E: mark@fleetmaintenance.co.uk
T: +44 (0) 28 3834 8915
W: www.fleetmaintenance.co.uk

Address
Annesborough Industrial Estate
LURGAN
BT67 9JD



www.genesis-aerotech.com

Genesis is a disruptive technology aerospace company with one of the most highly skilled and capable development teams in Europe. With specialists in all aspects of aircraft design, stress, aerodynamics, systems and flight control software. Genesis is currently working on a highly unique new Rotorcraft. CAP1220 approval has been secured for flight testing the prototype.

Areas of expertise:

- Rotary aircraft design, development, prototyping and testing
- Fixed wing aircraft design, development, prototyping and testing
- CFD analysis
- Design and stress services
- Turnkey prototype development



Genesis Aerotech Ltd

Core Activities

Design, Prototyping, Testing and Development of Disruptive Technology Aerial Vehicles

Year Established

2017

Employee Number

<50

Annual sales

<\$1m

Contact

Michael Rice

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W : www.genesis-aerotech.com

Address

5K Weaver's Court

BELFAST

BT12 5GH



The Gill Corporation Europe, Ltd., A Gill Company

The Gill Corporation Europe Ltd

Core Activities

Development of composite sandwich panel constructions, Build-to-Print fabrication of detailed composite panels

Year Established

1986

Employee Number

<50

Annual sales

\$5-\$10m

Certifications

EASA Part 21 Subpart G
AS 9100
ISO 9001

Approvals

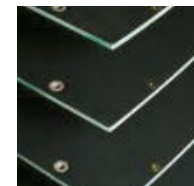
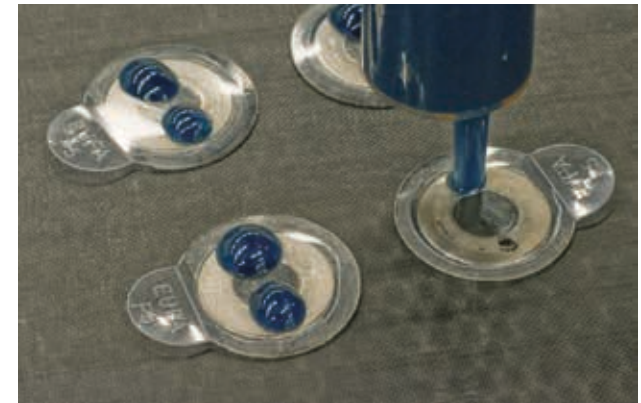
Airbus, Akka Technologies, Aernnova (Embraer), Bombardier Aerospace, Gulfstream, IAI Aerospace Industries, Irkut Corporation, B/E Aerospace, Textron & others

The Gill Corporation Europe Ltd (TGCEL) specialises in low-cost detailing of composite sandwich panels to provide fully detailed floors, sidewalls, bulkheads, ceilings, stowages and shelf assemblies.

Working closely with its USA parent company, TGCEL offers bespoke sandwich panel constructions to OEMs and delivers complete ship-set packages and spares worldwide.

Areas of expertise:

- Development of new sandwich panel constructions
- Import of electronic model data to support CNC production
- "Cut & Fold" fabrication of complex composite assemblies
- EASA Form 1 release of parts & kits direct to assembly/repair lines
- Stockist of Gillfab® and Gillab® flooring and cargo liner composite materials



Contact

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W: www.thegillcorp.com

Address

23 Enterprise Road
BANGOR
BT19 7TA

Goudsmit UK is an established sub-contract manufacturer supplying quality engineered components into a range of industries. With an established network of logistic partners, backed up with years of experience, Goudsmith UK adds value to clients' supply chain by project managing product requirements from early design stage through to delivery or warehousing.

Areas of expertise:

- Magnets & magnetic assemblies
- Polymer parts
- Pressed parts
- CNC machined parts
- Die castings & extruded parts

Pressed Parts



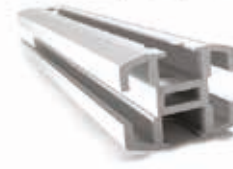
Polymer Engineering



Magnetic Products



Extruded Parts



CNC Machining



Goudsmit UK Ltd

Core Activities
Manufacturing, Precision Engineering,
Magnets & Magnetic Assemblies

Year Established
1998

Employee Number
<50

Annual sales
\$5-\$10m

Certifications
AS9100
AS9001
TS16949

Contact

Dean McClements
E: dean@goudsmit.co.uk
T: +44 (0) 28 9027 1001
W: www.goudsmit.co.uk

Address

10 Cromac Place
BELFAST
BT7 2JB



Green Energy Engineering Ltd

Core Activities

Supply of complex precision manufactured components and sub-assemblies

Year Established

2006

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

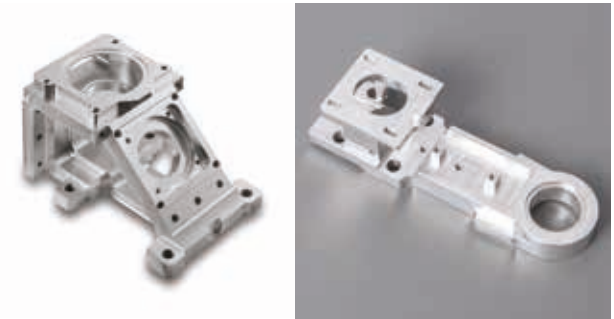
AS 9100

ISO 9001 : 2015

G.E.E. Precision is a quality-focused precision engineering company specialising in the supply of complex precision components and sub-assemblies. It supports industry 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 CAD/CAM programming capabilities
- Manual turning, manual milling, sawing, drilling & a range of fabrication equipment
- Quality control systems, problem solving, rapid delivery & Kanban analytics



Contact

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T : +44 (0) 28 3882 0043

W : www.geeprecision.org

Address

198a Lurgan Road

DROMORE

BT251HL



www.hexhorus.com

Hex Horus LTD exists to protect against the malicious, nefarious and terrorist use of drone application. It specialises in the holistic approach Counter-Unmanned Aerial Systems (C-UAS) from initial consultation right through to sustaining C-UAS operations.

Areas of expertise:

- Consultation – Threat evaluation, site vulnerability and on-site consultation
- Resourcing – Agnostic, impartial selection, integration and implementation of C-UAS solutions
- Operations – Design, deliver and sustain C-UAS operations
- Training – Design, deliver a modular training package



Hex Horus Ltd

Core Activities
Defence & Security

Year Established
2017

Employee Number
<50

Annual sales
<\$1m

Approvals
ADS Membership
Drone Platform And Counter-
Drone Special Interest Group

Contact

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W : www.hexhorus.com

Address

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1 Perimeter Way
BALLYKELLY
BT49 9JT



IconicRF Ltd

Core Activities

RF & Microwave MMIC design
MMIC assembly and prototyping
Measurement services - 67 GHz
Flexible product supply models

Year Established

2017

Employee Number

<50

Annual sales

<\$1m

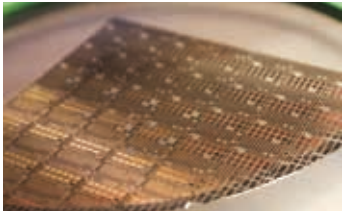
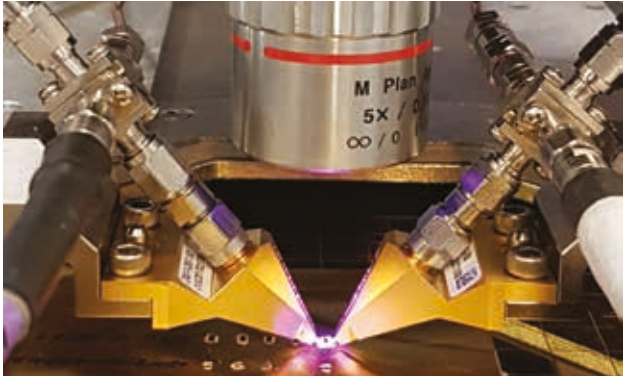
Certifications

ISO9001:2015 pending

iconicRF is an experienced radio frequency engineering team offering advanced product development, measurement and prototyping services to the Satellite, Aerospace, Defence and 5G Telecoms sectors worldwide. The company specialises in the use of advanced waveform engineering for developing high performance GaN and GaAs MMIC products.

Areas of expertise:

- GaAs and GaN MMIC design
- MMIC packaging and module development
- Advanced RF & Microwave characterisation
- Satellite, Aerospace and Defence MMICs
- Front End Modules for 5G Telecommunications



Contact

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M +44 (0) 79 7456 1480
W :www.iconicrf.com

Address

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Forthriver Business Park
385 Springfield Road
BELFAST
BT12 7DG



www.ipcmouldings.com

IPC Mouldings is a supply chain excellence partner from concept to completion offering a range of skills and services from mould tool design and manufacture to production injection moulded parts using advanced engineering polymers.

Areas of expertise:

- Mould tool design, optimisation and manufacture. Servicing, modification and TPM programme for customer mould tools
- Injection moulding using advanced engineering polymers and processing techniques
- Product optimisation, metal replacement and weight reduction
- Value add (assemblies), secondary ops (pad printing / plating / media blasting / CNC machining)
- SMI with low lead times, Kanban managed inventory



IPC Mouldings

Core Activities

Toolmaking and injection moulding

Year Established

1994

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

ISO 9001

AS 9100

Approvals

Rockwell Collins

Contact

Joanne Liddle

E: joaneliddle@ipcmouldings.com

T: +44 (0) 28 9336 6696

W: www.ipcmouldings.com

Address

Unit 19Y Kilroot Business Park

CARRICKFERGUS

BT38 7PR



jhe
SOLUTIONS

www.jhesolutions.com

jheSOLUTIONS Ltd

Core Activities

Providing manufacturing, business, skills and productivity solutions

Year Established

2015

Employee Number

<50

Annual sales

<\$1m

jheSOLUTIONS provides two decades' experience in the aerospace and defence industries to organisations seeking to develop manufacturing, quality, business systems, skills or productivity. Support and bespoke solutions can be delivered through consultancy, interim management or non-executive director support.

Areas of expertise:

- Manufacturing & quality solutions support
- Business support & development activities
- Interim management / non-executive director
- Skills / productivity development – supporting inclusive growth



Contact

Mark Huddleston

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T: +44 (0) 28 9181 8128

M: +44 (0) 77 3637 3543

W: www.jhesolutions.com

Address

FE10A Sketrick House
Jubilee Road
NEWTOWNARDS
BT23 4YH

Rainey Engineering Solutions is a wholly owned subsidiary of the Mapal Group supporting the aerospace industry in Ireland. Rainey has an in-house design, manufacturing and regrind facility allowing it to respond to fast lead times for new and modified tools. Rainey has strong expertise in composite machining techniques.

Areas of expertise:

- Machining of composite materials in conjunction with Mapal
- In-house design and manufacture of round shank tools
- In-house regrind capability
- Supply and technical back up for lubbering advanced drilling equipment
- Technical distributor including tool management through vending solutions



John Rainey & Son Ltd

T/A Rainey Engineering Solutions (Mapal Group)

Core Activities
Design, manufacture and distribution of Precision Cutting Tools, Lubbering advance drilling equipment, supply service and tool development

Year Established
1929

Employee Number
<50

Annual sales
\$1-\$5m

Certifications
ISO9001:2015

Contact
Eamonn Orchin
E : Eamonn.orchin@rainey.co.uk
T : + 44 (0) 28 9266 9233
W : www.mapal.com

Address
8a Enterprise Crescent
Ballinderry Road
LISBURN
BT28 2BP

Juno Composites Ltd

Core Activities

Design, development and manufacture of advanced composite sheet, plate and paneling products

Year Established

2011

Employee Number

<50

Annual sales

<\$1m

Contact

Dr Saul Buchanan

E: saul@junocomposites.com

T: +44 (0) 28 9532 0123

W: www.junocomposites.com

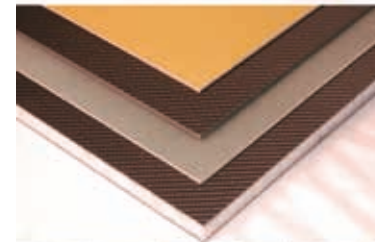
Address

25 Talbot Street
Cathedral Quarter
BELFAST
BT1 2LD

Juno Composites, utilising its proprietary advanced composites technology, is a leading manufacturer of premium decorative structural fibre reinforced composite products within the UK and Ireland. Juno Composites also manufactures and stocks the UK and Ireland's largest range of structural advanced composite sheet, plate and paneling products. Juno's products are used in multiple industry sectors such as automotive, marine, construction and aerospace for applications including; wall, ceiling, floor panels and coverings that require light weight, stiff, strong, tough, wear resistant, environmental resistant and decorative characteristics.

Areas of expertise:

- Decorative structural product range capable of mimicking real life materials such as wood, marble, stone, brick, ceramic tiles or any other custom high resolution graphic
- Manufacturing of advanced composites utilising liquid moulding processes that employ a wide range of constituent materials such as carbon fibre, aramid, glass, basalt and eco fibre reinforcements
- Assistance in the design, development and introduction of customised product solutions into their customers' new and existing applications
- Performance guaranteed products that come with a technical datasheet





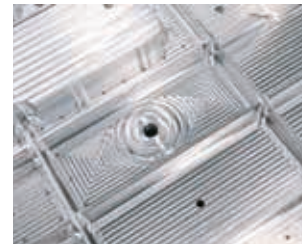
www.jwkane.co.uk

JW Kane is at the forefront of technology in machining and is dedicated to the continuous improvement of its manufacturing and service delivery processes. It offers:

- Machining of titanium, aluminium and steel
- Multi axis machining with part sizes ranging up to 4m
- Sub-assembly of parts and components

Areas of expertise:

- World class machining capabilities
- Manufacturer of complex parts such as nacelle hinge and latch beams
- Full supply chain management process including special processes
- Continuous improvement
- New Product Introduction



JW Kane Precision Engineering Ltd

Core Activities

CNC Milling Aerospace Components

Year Established

1984

Employee Number

51-249

Annual sales

\$10m +

Certifications

AS 9100

ISO 14001

OHSAS 18001

SC21 Silver

Approvals

Airbus, Bombardier Aerospace,
Safran, B/E Aerospace, GE Aviation,
Thales, Premium Aerotec

Contact

Damian McArdle

E: damian@jwkane.co.uk

T: +44 (0) 28 3833 3991

W: www.jwkane.co.uk

Address

1 Charlestown Crescent
Charlestown Road Industrial Estate
PORTADOWN
BT63 5ZE



Kuehne + Nagel Ltd

Core Activities

International Freight Forwarding /
Overland / Contract Logistics

Year Established

1890

Employee Number

250+

Annual sales

\$10m+

Certificates

AEO certified
ISO 9001 (Quality)
ISO 14001 (Environmental)

With approximately 76,000 employees at more than 1300 locations in over 100 countries, the Kuehne + Nagel Group is one of the world's leading logistics companies. Its strong market position lies in the seafreight, airfreight, contract logistics and overland businesses, with a clear focus on providing IT-based integrated logistics solutions.

Areas of expertise:

- International air and sea logistics
- Overland logistics
- Contract logistics
- Aerospace and Defence
- Integrated Logistics



Contact

Paul Bannon
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T : +44 (0) 28 9037 2800
W : www.kuehne-nagel.uk

Address

Unit 3 Fortwilliam Business Park
Dargan Road
BELFAST
BT3 9LZ



www.kx.com
www.firstderivatives.com

Kx is a leader in high-performance, in-memory computing, streaming analytics and operational intelligence. Its Kx for Space solution is a complete software platform for aggregating vast and diverse big data sets from multiple sources of remotely sensed information. This enables optimised and efficient on-the-ground decision-making, as well as innovative commercial and societal applications.

Areas of expertise:

- Real-time monitoring of assets with alert capabilities, coupled with machine learning for predictive maintenance to reduce costs and improve reliability
- Comprehensive library of time-based aggregation functions support analytics, reports and alerts on streaming and historical data
- Historical data analysis and cross comparison on, for example, command & corresponding control messages beyond specified threshold limits
- In-built capacity for “edge computing” - enabling in flight pre-processing and compression of data
- HTML Dashboards provide rich visualisation and query capabilities on results across multiple devices



Kx (A division of First Derivatives PLC)

Core Activities

Big Data Specialists
Software Provider
Capital Markets Consultancy

Year Established

Kx: 1993
First Derivatives: 1996

Employee Number

250+

Annual sales

\$10m +

Approvals

Airbus, NASA FDL, European Space Agency, ESO

Contact

Robert Hill
E : Rhill1@kx.com
T : +44 (0) 79 2927 8501
W : www.kx.com
www.firstderivatives.com

Address

3 Canal Quay
NEWRY
BT35 6BP



Laser Prototypes (Europe) Ltd

Core Activities

Additive Manufacturing
Stereolithography, Selective Laser Sintering of both plastic & metal
Vacuum Casting, RIM Moulding
5 axis CNC machining

Year Established

1991

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

ISO 13845:2012
ISO 9001:2008
AS 9100

Laser Prototypes was created for the sole purpose of using additive manufacturing (AM). Over 40% of the AM parts produced are used for direct production parts or tooling. The company has 5-Axis CNC machining capabilities so it can provide a total customer rapid response solution.

Areas of expertise:

- Short production runs of plastic and metal using additive manufacturing
- Tooling, jigs and fixtures made using additive manufacturing
- Complex machined parts and tooling that requires 5 axis CNC technology
- Short production runs of investment casting utilising AM



Contact

Campbell Evans
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W: www.laserproto.com

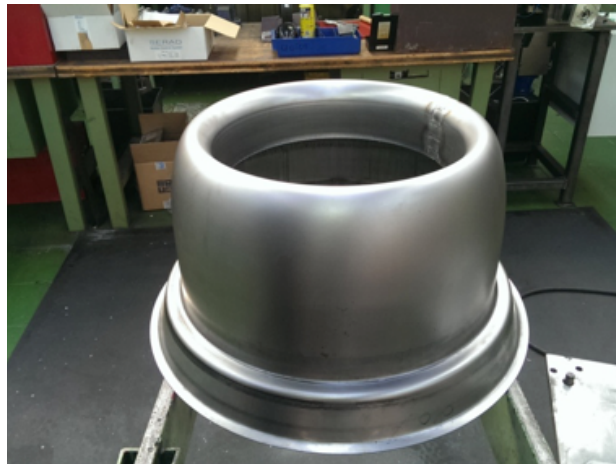
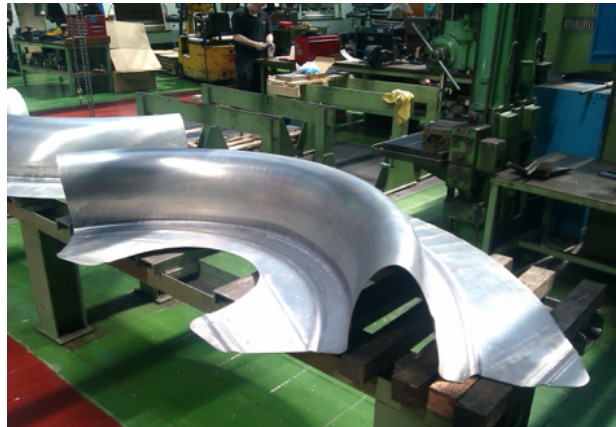
Address

4 Prince Regent Road
BELFAST
BT5 6QR

LenisAer develops innovative forming processes for lip skins and sheet metal components within the aerospace industry utilising its ADaPTIVE Technologies (Advanced Design and Processing Techniques in Virtual Environments) approach. LenisAer's innovative technologies offer both production and operational savings with significant potential for reduction in fuel burn.

Areas of expertise:

- Component integration, reducing processing costs and improved part quality
- Ability to produce an extended Natural Laminar Flow (NLF) lip skin
- Facility to fabricate unique lip skin repair sections
- Development of commissioned solutions from initial conceptual design through to production
- Proven international track record



LenisAer Ltd

Core Activities

Design of lip skin manufacturing processes

Year Established

2010

Employee Number

<50

Annual sales

<\$1m

Contact

Dr Michael Ludlow
E: m.ludlow@lenisaer.com
T: +44 (0) 7969 705941
W: www.lenisaer.com

Address

31 Grey Castle Manor
BELFAST
BT6 9QT

Magellan Aerospace (Greyabbey) Ltd

Core Activities

Precision engineering

Year Established

1964

Employee Number

51-249

Annual sales

\$10m +

Certifications

ITAR, AS9100 – GB99/50891 +
ISO14001 – GB07/71965

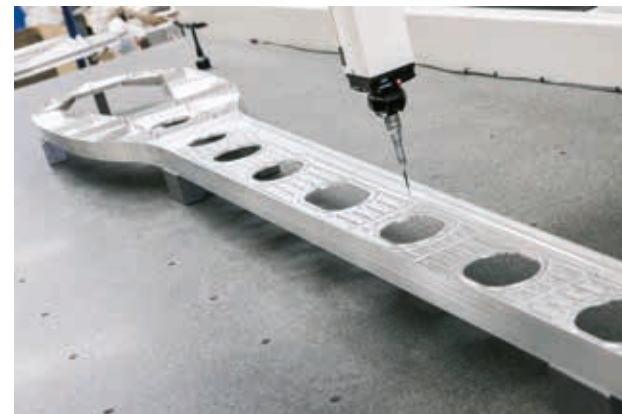
Approvals

Airbus, Bombardier Aerospace,
BAE Systems, Agusta Westland,
GKN Aerospace, Spirit Aerosystems

Magellan Aerospace develops and produces complex and integrated products and services that bring value to customers, serving the civil aerospace and defence markets across the globe. Magellan primarily supplies machined components for airframes, engine nacelles, landing gear and flight controls to the UK and global aerospace industry from its Northern Ireland facility.

Areas of expertise:

- 5-axis precision milling in soft metal – specialising in 0.5 to 4m components
- Engineering / CNC programming
- Supply chain management
- Continuous improvement and Lean Manufacturing
- Access to Magellan global expertise, resources and capabilities



Contact

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T : +44 (0) 28 4275 8231
W : www.magellan.aero

Address

11 Tullykevin Road
GREYABBAY
BT2 2QE

Marlborough Engineering provides precision engineering and fabrications for the global engineering and manufacturing market. Marlborough provides innovation, value, quality and skills solutions. It machines aluminium, stainless steel, copper, brass, invar and mild steel, providing value, quality and skills to its clients.

Areas of expertise:

- Special purpose machinery
- Precision machining and inspection (with the option of KanBan supply)
- High quality precision fabrication (50,000 square feet of manufacturing)
- Meeting specific customer requirements
- Project Management



Marlborough Engineering Ltd

Core Activities

Marlborough Engineering supplies precision metal components to a diverse set of applications from high performance scientific cameras to oil rigs and aeroplanes

Year Established

1986

Employee Number

51-249

Annual sales

\$5-\$10m

Certifications

ISO 9001 EN 1090

Welding/Inspection Certificate

Approvals

AWS, CSWIP, CWI, DIN EN ISO 3834

Contact

Mark O'Kane

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W: www.marlborough-eng.com

Address

67 Sydenham Road

BELFAST

BT3 9DJ

McAuley Precision Ltd

Core Activities

Precision Machining, Metal Forming
and Tube Bending

Year Established

1997

Employee Number

51-249

Annual sales

\$10m +

Certifications

ISO 9001

ISO 14001

OHSAS 18001

AS 9100

SC21 Bronze

Approvals

Bombardier Aerospace SB/VC/387

McAuley Precision provides a component manufacturing service for aerospace, oil and gas and transportation sectors. Operating from a 74,000 sq ft modern facility, McAuley exports its products to the UK and Asia. Using the latest CNC machining centres and CAD/CAM software, McAuley provides both high quality components and service levels.

Areas of expertise:

- Precision machining – turning, mill/turn, 3 axis milling (1000x600), 5 axis milling (350 dia)
- Tubular manipulation
- Punching, folding and welding
- Sheet metal fabrication
- Assembly



Contact

Richard Williams

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T: +44 (0) 28 2766 6646

W: www.mcauleyengineering.co.uk

Address

21 Ballymena Road

BALLYMONEY

BT53 7EX



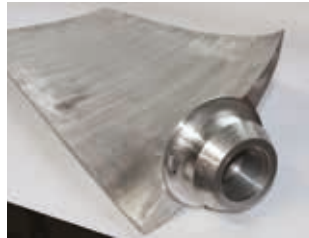
www.mcgreevyengineering.co.uk

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.

Areas of expertise:

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



McGreevy Engineering Ltd

Core Activities
CNC Machining

Year Established
1980

Employee Number
<50

Annual sales
\$1-\$5m

Certifications
AS 9100
SC21 Bronze Award

Approvals
Magellan Aerospace, Thompson Aero Seating, RTA International, Bombardier Aerospace, Thales, B/E Aerospace, Datum Design

Contact
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W : www.mcgreevyengineering.co.uk

Address
Maryland Industrial Estate
Ballygowan Road
BELFAST
BT23 6BL



McKenzie's (NI) Ltd

Core Activities
Metal Recycling

Year Established
Incorporated 1998

Employee Number
<50

Annual sales
\$10m+

Certifications
ISO 9001 and 14001 (Larne)

Approvals
IPPC – Environmental Permit
(McKenzie's Aluminium)

McKenzie's (NI) Ltd is a metal recycling company specialising in the recycling of aluminium from the aerospace industry in Northern Ireland . This has significant financial and environmental benefits for our clients as the material is processed and re-manufactured at our Aluminium Melting Plant in Larne , reducing the carbon footprint and supporting the circular flow of income within the local supply chain.

Areas of expertise:

- A business model which delivers transparency, reliability and integrity
- Service levels associated supporting the aerospace industry which are tailored to individual company requirements
- Collaboration across all stakeholders including local government and academia
- Significant capital investment in plant and equipment supporting operational efficiency
- The manufacture of aluminium ingots from recycled aluminium sourced in Northern Ireland



Contact
Stephen Russell
E : stephen.russell@mckenzieisni.com
T : +44 (0) 78 0362 6280
W : www.mckenzieisni.com

Address
76-86 Duncrue Street
BELFAST
BT3 9AR



www.mflogistics.com

MF Logistics is proud to have established a solid and flourishing reputation within the Irish distribution market. With over 30 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
- 4PL Management



MF Logistics UK Ltd

Transport and Logistics
Road Freight and Airfreight

Year Established
1968

Employee Number
51-249

Annual sales
\$10m+

Approvals
Bombardier Aerospace

Contact

Colin McCullough
E : colin.mccullough@mflogistics.co.uk
T : +44 (0) 19 2576 1560
W : www.mflogistics.com

Address

Mallusk Way
MALLUSK
BT36 4AA



Mo Team Ltd

Core Activities

Turnkey Machine Builder - Automation

Year Established

1997

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

Machinery Safety CE

Mo Team has international engineering expertise in various industries including equipment test and certification, electronics manufacturing, IT and telecoms, brewing and drinks packaging and dairy. Mo Team specialises in plant equipment automation, utilities, energy efficiency, carbon footprint reduction, manufacturing IT, strategic capital investment, performance optimisation, cost saving and value engineering.

Primary development interests include machinery safety, turnkey automation, renewables technologies and technical composites.

Areas of expertise:

- Turnkey automation
- Machine building
- Machinery/safety & CE
- PLC Servo Drives Instrumentation RFID
- Process control engineering



Contact

Rob Moran

E: rob@moteam.co.uk

T: +44 (0) 77 6444 8808

W: www.moteam.com

Address

11E Chapel Road

CRUMLIN

BT29 4LY



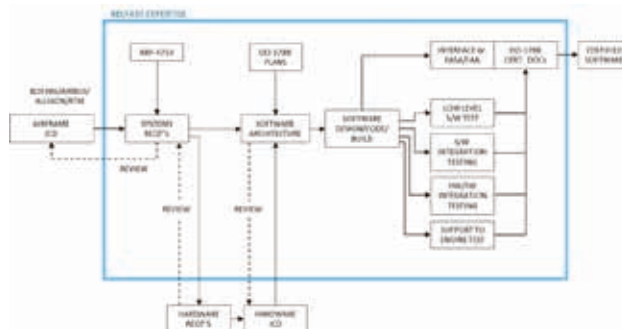
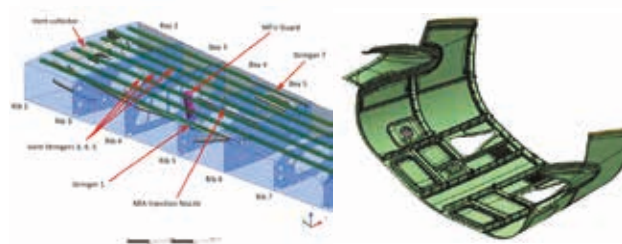
www.morson.com/projects/

Morson Projects provides cost effective, multi-disciplined project management, engineering and design services to clients across a variety of industrial sectors. In Aerospace, Morson Projects has developed extensive experience in the design and analysis of aircraft structures and safety-critical software development.

Clients within this sector include Rolls-Royce, Leonardo, Airbus, Bombardier Aerospace and BAES.

Areas of expertise:

- Safety-critical, real-time, embedded software and applications
- Structural optimisation and FE analysis
- Composite design and analysis
- Aerospace and marine systems
- Tooling-design and manufacture



Moyfab Tool Company Ltd

Core Activities

Manufacturing, precision sheet metal and machining

Year Established

1994

Employee Number

51-249

Annual sales

\$5-\$10m

Certifications

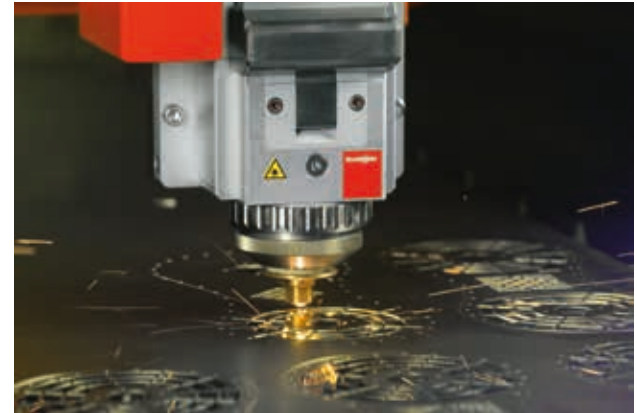
ISO 9001-2008

AS9100

Moyfab Tool specialises in laser cutting and folding of sheet-metal and CNC machining for the aerospace sector. Components are manufactured in house using the very latest fibre laser cutting and multi axis sheet-metal bending technology.

Areas of expertise:

- Laser cutting of aerospace materials, including aluminium, stainless and titanium
- Precision folding of highly complex sheet-metal, using the latest in multi-axis press brakes
- CNC multi-axis press brakes, programmed off-line, with MES scheduling
- CNC machining and mill turning
- Fully equipped in house tool room for jigs and fixtures



Contact

Raymond Fitzpatrick
E: raymond@moyfab.com
T: +44 (0) 28 4716 3602
W: www.moyfab.com

Address

12 Bog Road Atticall
KILKEEL
BT34 4HL

MOYOLA

Precision Engineering

www.moyola.com

Moyola leads the market in the provision of machined and assembled precision components through its commitment to:

- Excellence in customer service levels, particularly delivery and quality
- Cost reduction ethos through engineering excellence
- Innovative material usage including material nesting to drive down input costs
- Close customer cooperation including technical support
- Collaborative solutions
- Technological investments to support new opportunities

Areas of expertise:

- 5-axis detailed aerospace parts up to 3.8m x 2.5m (150" x 100") and high precision tooling and fixturing manufacture
- Range of assembly capabilities including supply of kitting and sub-assemblies
- Large range of 5-axis machines, and mill-turning centres utilising world-leading technologies such as Starrag Ecospeed, Grob and Mazak Integrex solutions
- Expertise in machining a range of materials including aluminium, steel, titanium and other hard metals
- Large team of experienced CAD/CAM engineers and a highly proficient Quality Department utilising multiple CMMs



Moyola Precision Engineering Ltd

Core Activities

World class machining solutions for 5-axis components, kits and assemblies for the civil aerospace, defence and space industries

Year Established

1976

Employee Number

51-249

Annual sales

\$10m +

Certifications

SC21 Gold Award
BS EN ISO 9001-2000 / AS EN 9100

Approvals

Bombardier Aerospace, Airbus, BAE Systems (F35), GE Aviation (Boeing & Airbus), GKN, Thales, Moog (Boeing & Airbus) RLC, Spirit Aerosystems, MBDA

Contact

Mark Semple

E : mark@moyola.com

T : +44 (0) 28 7946 9349

W : www.moyola.com

Address

6-8 Curran Road
CASTLEDAWSON
BT45 8AF

Nacelle Systems Consultancy Ltd

Core Activities

Propulsion Systems Integration
Design & Stress Analysis
Project & Integration Engineering
Qualification & Certification Support

Year Established

2005

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

ISO9001

Approvals

General Electric, Parker Hannifin
(Stratoflex and CSS divisions), Rolls Royce
(Deutschland), Bombardier Aerospace,
Meggitt, BAE Systems, UEC / Aviadvigatel

Contact

Michael Thompson
E: michaelthompson@nacellesystems.com
T: +44 (0) 28 9073 6390
W: www.nacellesystems.com

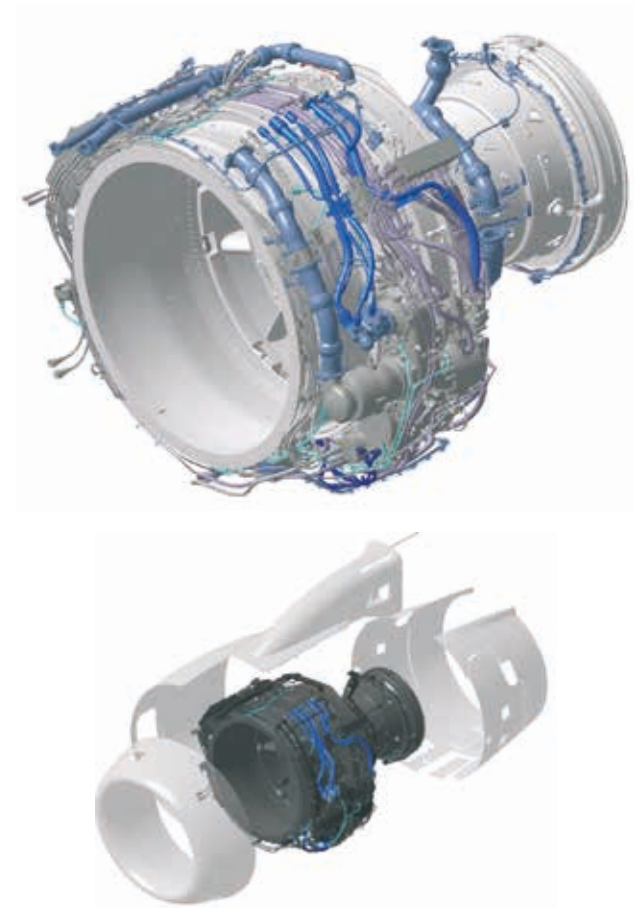
Address

Unit 1 Bridge Technology Park
Carnagat Lane
NEWRY
BT35 8XF

NSC is a specialist in propulsion system integration. With experience covering design, stress analysis, aerothermal/anti-icing analysis, integration management, and qualification/certification capabilities, NSC has a particular focus on EBU. NSC has been retained by Tier One engine manufacturers and OEMs in the development cycle of components and systems through to complete EBU packages. Additionally, NSC has experience in TR, TRAS and Landing Gear engineering.

Areas of expertise:

- Systems design & stress analysis - EBU and related propulsion systems - hydraulics, fuel, ECS
- Anti-Icing, aerothermal and fire zone analysis
- Diverse range of systems including EBU systems, thrust reversers & TRAS, landing gear
- FAR 25 & FAR 33 qualification & certification – analysis and management
- Fluid system component R&D, validation and testing capabilities



Nicholl Engineering's machinery capability ranges from high speed twin pallet horizontal CNC equipment to CNC vertical machinery capable of machining up to 1275 mm. This enables the manufacture of small batch to large batch sizes to suit customer requirements.

Addition of Catia & CMM inspection enables Nicholl Engineering to interpret and inspect to the latest industry driven solid models from production through to inspection.

Areas of expertise:

- Hinges and intercoastals
- Base fitting column control
- Flap hinges and door latches
- Nose and landing gear components
- Flight deck components



Nicholl Engineering

Core Activities

Precision Engineering

Year Established

1985

Employee Number

<50

Annual sales

<\$1m

Certifications

ISO 9001: 2000

AS 9100

Contact

Trevor Nicholl

E : engineering@nichollengineering.co.uk

T : +44 (0) 28 9084 0176

W : www.nichollengineering.co.uk

Address

Building 14, Unit 4, Central Park

NEWTOWNABBEY

BT36 4FS



Nitronica Ltd

Core Activities

Electronic and electrical manufacturing services including PCB assembly, cable harness assembly, electro-mechanical builds, cabinet and panel builds and full product builds

Year Established

2002

Employee Number

51-249

Annual sales

\$10m +

Certifications

ISO 9001

ISO 14001

SC21 Bronze Award (pending)

Contact

Alan Peters

E: alan.peters@nitronica.com

T: +44 (0) 28 9756 6274

M: +44 (0) 78 5074 1326

W: www.nitronica.com

Address

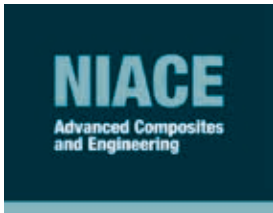
4 Antrim Road
BALLYNAHINCH
BT24 8AN

Nitronica is an experienced provider of actuation and power harnesses, earth straps, bespoke electro-mechanical assemblies, aisle lights and more recently interior mood lighting and reading lights to a range of OEM customers.

Areas of expertise:

- PCB assembly
- Cable harness assembly
- Electro-mechanical assembly
- Cabinet/ panel build
- Full product build





www.niace-centre.org.uk

The Northern Ireland Advanced Composites and Engineering Centre is a technology hub for the research and development of advanced engineering and advanced materials technologies across a range of industrial sectors. The Centre is industry-led and is focused on increasing the technical capability and competitiveness of industry through collaborative working. It provides a link between universities and industry to bridge the gap between fundamental research/initial concepts to commercialisation. NIACE is a member of Composites UK and has links with the HVM Catapult through the National Composite Centre (NCC) and to the IComp, the Irish Composites Centre.

Areas of expertise:

- Advanced engineering technologies
- Advanced composite design and manufacture
- 3D weaving
- Collaborative industrially focused research and development
- Industry and academia consortium brokering



Northern Ireland Advanced Composites and Engineering (NIACE) Centre

Core Activities

Technical support for industry
 B2B collaboration
 Research & Development
 Facilitation of knowledge transfer
 University & Industry linkages

Year Established

2012

Employee Number

<50

Annual sales

<\$1m

Contact

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 E: Dave.thompson@niace-centre.org.uk
 T: +44 (0) 28 9073 3117
 W: www.niace-centre.org.uk

Address

5 Airport Road
 BELFAST
 BT3 9DZ



Northern Ireland
Technology Centre
Insight Applied



QUEEN'S UNIVERSITY BELFAST

www.qub.ac.uk/nitc

Northern Ireland Technology Centre

Core Activities

Industrial collaborative research & development, knowledge transfer & commercial services

Year Established

1968

Employee Number

<50

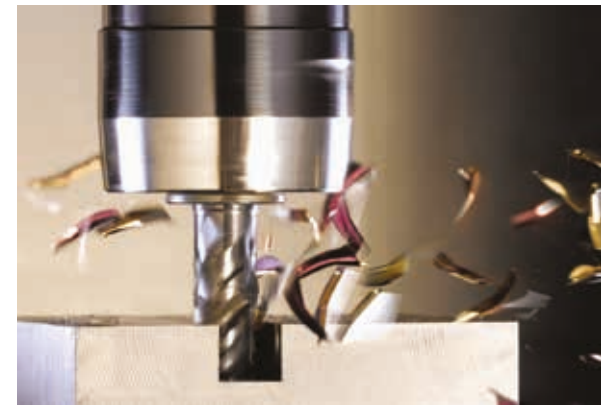
Annual sales

\$1-\$5m

The Northern Ireland Technology Centre (NITC) at Queen's University Belfast is an industry facing research and technology unit aligned to the School of Mechanical and Aerospace Engineering. NITC plays a key role in supporting NI's aerospace supply chain with industrial collaborative R&D and knowledge transfer activities in advanced manufacturing technologies.

Areas of expertise:

- Automated aircraft assembly – robotics, parallel kinematics, metrology, drilling of aerospace material stacks
- Advanced machining - titanium, aluminium, composites, modal analysis, optimisation & simulation
- Digital manufacturing – 3D factory simulation, robotic / machine simulation, additive manufacturing & Industry 4.0
- Advanced metal forming and joining including friction stir / stir spot welding, laser welding & cutting
- Lean thinking – cost modelling, business process



Contact

Colm Higgins

E: c.j.higgins@qub.ac.uk

T: +44 (0) 28 9097 5433

DDI +44 (0) 28 9097 4330

W: www.qub.ac.uk/nitc

Address

Queen's University Belfast
Cloreen Park, Malone Road
BELFAST
BT9 5HN



www.novaprecision.co.uk

Nova Precision is a precision engineering sub-contract manufacturer with over 30 years of experience supporting a wide range of products and global customers.

Areas of expertise:

- Multi-axis CNC machining
- Utilising advanced manufacturing technologies in a lean manufacturing environment
- Alloys, steel, titanium, inconel
- Supply chain management
- Developing strategic partnerships with customers -NPI



Nova Precision Ltd

Core Activities

Precision Machining of aerospace components

Year Established

1998

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

AS9100

AS9001

Approvals

Rolls Royce , Rolls Royce Deutschland

Contact

Liam Haberlin

E : lhaberlin@novaprecision.co.uk

T : +44 (0)28 7192 2000

W: www.novaprecision.co.uk

Address

11 Carrakeel Drive

Maydown Industrial Estate

DERRY

BT47 6UQ



Pinnacle Professional Ltd

Core Activities

Business growth advisory services

Year Established

2018

Employee Number

<50

Annual sales

<\$1m

Pinnacle adds value to its clients through the provision of business growth advisory services across commercial, operational and technical areas.

It believes in:

- Going above and beyond to add value to clients' business
- Continuously expanding its knowledge to better serve clients
- Providing straightforward & reliable advice

Areas of expertise:

- Commercial: Business planning, interim management, change management & implementation, funding strategies, collaborative partnerships, business development
- Operational: Lean manufacturing, operations & resource planning, facility planning & lay-out, new process development & implementation
- Technical: New product development, high value & volume manufacturing strategies, advanced light weight materials, innovation techniques



Contact

Dr Scott King

E : scott.king@pinnacle-ni.com

T : +44 (0) 77 49 11 8523

W : www.pinnacle-ni.com

Address

The Innovation Centre

Queen's Road

BELFAST

BT3 9DT



www.platinum-ni.com

Platinum Precision Engineering specialises in sub-contract machining of complex 5-axis components, using the latest programming software from Open Mind and Mastercam, supporting rapid response requirements. Components machined in aluminium through to titanium. All FAI inspection via CMM. Three pallet loading machines for large batch production.

Areas of expertise:

- 5-axis machining of complex components
- Experts on machining HRSA materials
- Market leading CAM software: Open Mind and Mastercam
- Rapid response service
- On site CMM for FAI



Platinum Precision Engineering Ltd

Core Activities

Sub-contract machining using the latest 3, 4 & 5 axis machine tools

Year Established

2013

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

ISO 9001

Approvals

Bombardier Aerospace, B/E Aerospace, Thompson Aero Seating

Contact

Ross Fleming

E: info@platinum-ni.com

T: +44 (0) 75 3125 5955

W: www.platinum-ni.com

Address

15 Corrigs Road
NEWCASTLE
BT33 0JZ



QMS Insight Ltd

Core Activities

The supply of multi award winning MRP/ERP/CRM software and training

Year Established

2014

Employee Number

<50

Annual sales

<\$1m

Approvals

34 Nominations/Awards in 11 years

QMS Insight is the supplier of the award winning 123insight Manufacturing Enterprise Management Software in Northern Ireland, Ireland and Scotland. It offers a unique award-winning MRP/ERP system for all types or size of manufacturing business.

Areas of expertise:

- Stock control – fully integrated stock control provides clear visibility on all stock
- Job costing – puts the user in complete control of all costs of all parts/BOMS
- Sales/purchasing – full sales and supply chain management providing live information and visibility
- MRP – full master production scheduling provides live information of what to make/buy and when
- Financials – finger on the pulse of the financial performance for business



Contact

Drew McCoubrey
E: drew@qmsinsight.com
T: +44 (0) 28 9332 9148
W: www.123insight.com

Address

11 Greenwood Park
CARRICKFERGUS
BT38 7UW

Quality Blue has a team of consultants each with 20+ years experience. It is focused on using ISO-based quality management systems to drive process performance and has developed a proven approach - the BLUE model. This is a simple yet powerful approach to driving process improvement, performance and effectiveness.

Areas of expertise:

- CQI-IRCA certified principal aerospace auditor
- CQI-IRCA certified principal QMS auditor
- Internal and supplier audits, support and training
- Improved process performance through lean tools and methods
- Consulting and training in all aerospace standards CQI-IRCA certified trainer
- SC21 Lead practitioner and partner
- Partner and Provider of Lean Improvement tools, methods and projects across the island of Ireland



Quality Blue Ltd

Core Activities

Aerospace Consulting and Training
Audit consulting, training and support
Process performance and effectiveness
LEAN methods and tools

Year Established

2018

Employee Number

<50

Annual sales

<\$1m

Certifications

ISO 9001:2015

Approvals

Approved Delivery Partner for all TEC
Transnational AS91XX/ISO9001/aerospace/
AS Standards training courses in Northern
Ireland and Ireland. Approved Benchmark
Index Practitioner

Contact

Dr Adrian Gundy
E: adrian@qualityblue.uk
T: +44 (0) 77 2338 2513
W: www.qualityblue.uk

Address

Quality Blue House,
NEWTOWNARDS,
BT23 6XA



Queen's University Belfast

School of Mechanical and Aerospace Engineering

Core Activities
Research and Education

Year Established
1845

Employee Number
250+

Annual sales
\$10m +

Approvals
All degree programmes are accredited by the Institution of Mechanical Engineers and the Royal Aeronautical Society

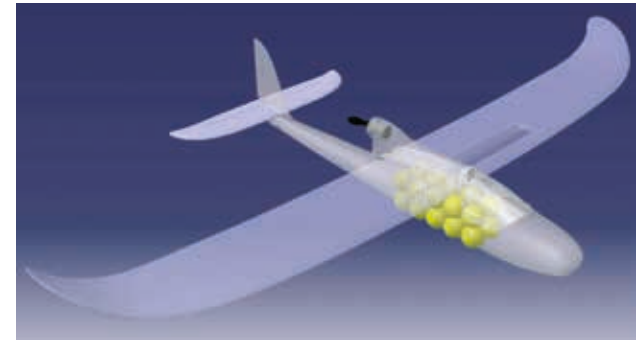
Contact
Professor Brian G. Falzon
E: b.falzon@qub.ac.uk
T: +44 (0) 28 9097 5640
W: www.qub.ac.uk

Address
University Road
BELFAST
BT7 1NN

The School of Mechanical and Aerospace Engineering at Queen's University is rated as one of the top ten mechanical engineering schools in the UK, and is in the top 1% globally. It has a strong background in advanced composite structures, including thermoplastic composites, aerodynamics, automation, digital manufacturing and design methods.

Areas of expertise:

- Modelling of airframe and aero-engine structures
- Modelling of factories and manufacturing processes, including laser beam and friction stir welding
- Composite materials and structures
- Advanced simulation technologies
- Clean energies





A NACELLE GROUP COMPANY

Resonate Testing provides a range of testing services and has developed innovative solutions to deliver multiple condition tests to the aerospace sector. The company works flexibly with its clients to support R&D into new products and materials, through to full certification support, across an international client base.

Areas of expertise:

- Test & certification support to FAA Standards across a range of test types
- Fire testing to aircraft propulsion grade standards with multiple conditions including vibration, airflows, pressures and loads
- High G vibration & shock testing, environmental testing, flammability testing
- Multi-industry engineering test capability across aerospace, space, automotive, transport, electronics and meditech
- UKAS Accredited to ISO17025 Standard covering RTCA DO160, ISO2685, AC20-135. Also ISO9001

www.resonateesting.com



Resonate Testing Ltd

Core Activities

Testing Services including:
Fire Testing to FAA Standards
Vibration / Shock Testing
Environmental Testing
Support to product development and certification

Year Established
2015

Employee Number
<50

Annual sales
\$1-5m +

Certifications
ISO17025
ISO9001

Approvals
Multiple Customer approvals

Contact

Michael Thompson
E : michaelthompson@resonateesting.com
T : +44 (0)28 9073 6390
W: www.resonateesting.com

Address

Unit 1 Bridge Technology Park
Carnagat Lane
NEWRY
BT35 8XF



RLC UK Ltd

Core Activities

Aerospace Mechanical Manufacture,
Assembly & Processing

Year Established

1959

Employee Number

250+

Annual sales

\$10m +

Certifications

Fully Nadcap approved for non-destructive
testing and wet processing
ISO 14001: 2004
ISO 18001: 2007
AS9100: 2008
ISO 50001:2011

Approvals

Full range of aerospace customer
specific approvals

Contact

Paul Coates

E: paul.coates@rlc-group.com

T: +44 (0) 28 9083 4460

W: www.rlc-group.com

Addresses

97 Largy Road, CRUMLIN
BT29 4RT

Global Point Business Park
Corrs Corner, NEWTOWNABBEY
BT36 5PY

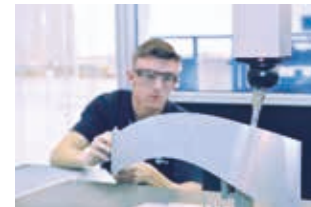
RLC Engineering Group is a world class provider of components & services to the aerospace industry.

With sales of over £90m and over 900 employees, RLC provides innovative solutions to the most challenging product families.

It combines multi-skilled teams of engineers to create manufacturing and supply chain solutions as dedicated, customer and product focused, business units. RLC operates from facilities in the United Kingdom and Singapore.

Areas of expertise:

- Mechanical manufacture
- Processing
- Supply chain management
- Logistics & kitting
- New product introduction





www.rtaintl.com

RTA is a supply chain harmonisation partner providing supply chain and part number consolidation services with an emphasis on delivery, quality, traceability and efficiency into the aerospace sector. Plug & Play value streams allow customers to scale support to balance capacity and production needs, maximising bottom line benefits.

Areas of expertise:

- Sourcing, procurement, warehousing and distribution of aerospace and commercial COTS hardware and components
- Sub-contract machining and sheet metal forming provides increased capacity and ultra-fast turnaround of finished components
- Sub-assembly services consolidate suppliers and part numbers to realise procurement and inventory management cost reductions
- Warehousing and stock management, including Final Mile 3PL and kitting services with full lot traceability maintained
- Production support services, including Kanban and lineside feed stock replenishment



RTA Ireland Ltd

Core Activities

Procurement, Supply Chain Harmonisation (includes sub-contracted machining fabrication), 3PL/Consignment Stock Management, Warehousing, Production Lean Support Services, Small to Medium Sized Mechanical Assembly.

Year Established

1988

Employee Number

<50

Annual sales

\$5-\$10m

Certifications

AS9120, AS9100, ISO9001:2015, SC21 Silver (2 Years), EFQM 4-Star Recognising Excellence/Ni Quality Award Holder

Approvals

Bombardier (Cat D – Distributor), Rockwell Collins (Gold Supplier), Cutting Dynamics Inc. approved supplier, Pilgrim Harp approved supplier, Bollhoff-Armstrong approved distributor

Contact

Richard Henny
E : irsales@rtaintl.com
T : +44 (0) 28 4176 9800
W : www.rtaintl.com

Address

Unit 2 Kilkeel Business Park
3 Moor Road
KILKEEL
BT34 4NG



RW Powder Coatings Ltd

Core Activities

Powder Coating
Anodising

Year Established

2010

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

AS 9100:2016
9001:2015

Approvals

Thompson Aero Seating
Rockwell Collins

RW Coatings is a family run leading provider of aerospace, automotive, defence and architectural powder coating and anodising

It works to rapid response on a daily basis and takes pride in the quality of its products and services.

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



Contact

Caroline Webb
T: +44 (0) 28 9044 9310
W: www.rwcni.com

Address

46 Hillsborough Road
Comber
NEWTOWNARDS
BT23 5PW



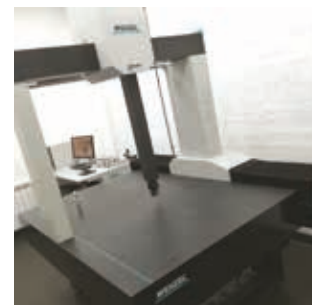
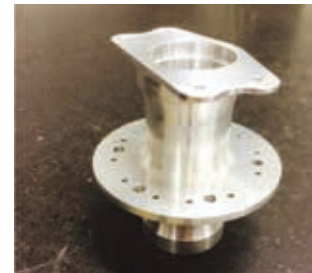
www.smiths-engineering.com

Smiths Engineering Works (NI) Ltd is a specialist engineering company. Through its various divisions, Smiths provides engineering solutions to a wide range of companies from SMEs to multi-nationals.

Smiths Engineering's Precision division utilises the latest CNC technology to produce high quality machined components and continues to invest in the latest programming software.

Areas of expertise:

- Latest multi-axis machining centres, ensuring quality of the highest standard and cost competitiveness
- Highly skilled and flexible workforce enabling Smiths Engineering to provide rapid response to customers
- Robust planning and scheduling procedures
- Design team specialising in component design, on individual parts, sub-assemblies or complete clean sheet design
- Central location allowing access to all major routes, combined with excellent air and road links



Smiths Engineering Works (NI) Ltd

Core Activities

Multi-axis CNC Machining, Manufacture & Assembly of Transmission Products, Fabrication & Sub-Assembly

Year Established

1962

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

ISO 9001:2008
ISO 14001:2015
OHSAS 18001:2007
AS 9100

Approvals

Michelin, Optibelt, Schlumberger, Irish Rail

Contact

Ian Kintrie

E: ian@smiths-engineering.com

T: +44 (0) 28 2564 1621

W: www.smiths-engineering.com

Address

Pennybridge Industrial Estate
BALLYMENA
BT42 3HB



Springco (NI) Ltd

Core Activities

Specialist spring & tube form manufacturer

Year Established

1954

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

SC21 Silver
AS9100
ISO9001
EFQM 4 Star

Approvals

Bombardier Aerospace, Thales, Goodrich, GE Power (Alstom), BAE Systems, Thompson Aero Seating, Sener

Springco is a specialist spring manufacturer with specific expertise in nickel and cobalt alloys. Full range of compression, torsion, tension, wire forms and tubeforms manufactured for aerospace, valve, oil & gas, space and general engineering sectors.

Wide range of stock is held for fast turnaround from complete design to full production supply – with a reliable delivery service.

Areas of expertise:

- Nickel & cobalt alloy
- Specialist spring solutions for all applications and environments
- Design -prototype– production – in all quantities
- Quality products which include in house PMI testing
- Exporting worldwide



Contact

Connor Jordan
E: connor.jordan@springco.co.uk
T: +44 (0) 28 3833 3482
W: www.springco.co.uk

Address

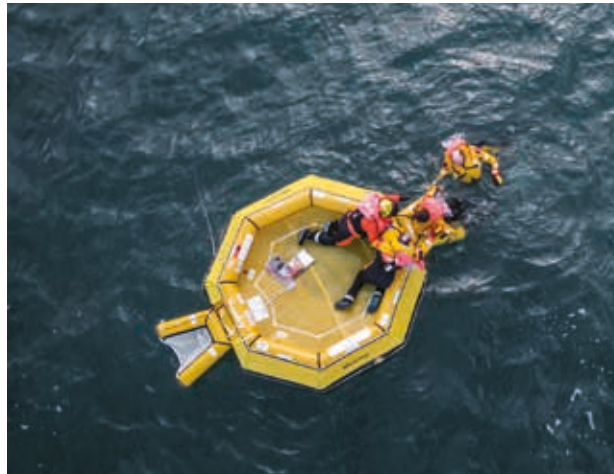
21 Carn Road, Carn Industrial Estate
PORTADOWN
BT63 5WG

Survitec is the world's premier survival technology company with over 90 years' experience as subject matter experts in safety survival equipment.

With over 12 manufacturing sites, 3000 employees and over 600 servicing stations worldwide, Survitec has an unrivalled reputation for innovation and product quality with a market leading position in the design, manufacture and supply of the world's most diversified range of safety and survival equipment. This includes single occupancy and multi-person liferafts, passenger and crew lifejackets, baby flotation cots, survival suits and flight coveralls, advanced medical equipment, beacons, pyrotechnics and complete through-life servicing and maintenance provisions.

Areas of expertise:

- Designed 1st ever commercially available lifepreserver 'Mae West'
- Developed the 1st ever baby floatation cot for infants
- Designed the 1st helicopter specific liferaft, the RFD Heliraft
- Full safety survival solution for virtually any aircraft
- Full engineering and design capabilities
- Complete product manufacture and assembly with testing and qualification
- Global footprint with world's largest after sales service network



Survitec Group Ltd

Core Activities

- Design
- Manufacturing
- Testing & Qualification
- Training
- Servicing & Maintenance

Year Established

1920

Employee Number

250+

Annual sales

\$10m +

Certifications

- ISO 9001:2000
- AS 9100
- ISO 14001

Approvals

FAA, EASA, CAA

Contact

David McCourt
 E: david.mccourt@survitecgroup.com
 T: +44 (0) 28 9030 1531
 W: www.survitecgroup.com

Address

Kingsway, Dunmurry
 BELFAST
 BT17 9AF



Technical Metals Ltd

Core Activities

CNC Machining, Anodising,
Bead Blasting and Passivation

Year Established

1984

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

SC21 Silver
AS9100
ISO9001
EFQM 4star
Nadcap - Pending

Approvals

Thales, Rockwell Collins,
Thompson Aero Seating

Contact

Darren Sales
E : darren.sales@techmetals.co.uk
T : +44 (0) 28 9181 1212
W : www.techmetals.co.uk

Address

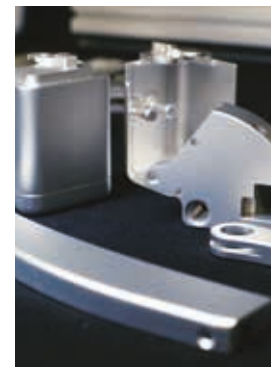
Unit 3 Kiltonga Industrial Estate
NEWTOWNARDS
BT23 4TJ

Technical Metals offers customers a wide range of anodising and surface preparation processes, which include clear, black, bright and half bright anodising, beadblasting, buffing, linishing, clear chem treatment, aluprinting and PMI testing.

Technical Metals provides a quick, efficient, cost effective service to all its customers and takes pride in building relationships that exceed customer expectations.

Areas of expertise:

- Anodising (clear, half bright, bright, black)
- Bead blasting and surface preparation including buffing and linishing
- Aluprinting
- CNC machining
- Passivation



Thales in Belfast is the centre of excellence for missile systems design, development and manufacturing within the Thales group. From its Belfast site, Thales is the world's leading provider of very short range weapon systems for over 60 years.

Areas of expertise:

- Part of the Thales Group – a global company with 65,000 employees and \$19.5bn revenues
- Centre of excellence for weapon systems, design, development and manufacturing
- World leading supplier of very short range weapons systems
- UK leader of Lightweight missile systems
- Northern Ireland leader in R&D and engineering innovation



Thales UK Ltd

Core Activities

Engineering
Manufacturing

Year Established

2000

Employee Number

250+

Annual sales

\$10m +

Certifications

ISO 9001/14001/18001
AS 9100
CMMI Level 11
IIP Gold Award
DAOS
IAMM Level 3

Contacts

Dawn Ross

E : dawn.ross@uk.thalesgroup.com

T : +44 (0) 28 9046 5521

W : www.thalesgroup.com/uk

Address

Alanbrooke Road
BELFAST
BT6 9HB



Thompson Aero Seating

Core Activities

Design, engineering and manufacture of premium aircraft seating

Year Established

2002

Employee Number

250+

Annual sales

\$10m +

Certifications

EASA Part 21G, EASA.AP305,
TCCA Part 145, BSI AS9100
UK.21G2638, EASA Part 145, 814-05,
FM540498, UK.145.01290,
FAA Part 145, EASA 21JAPDOA

Thompson Aero Seating is recognised as a market leader for cutting edge design, engineering and manufacture of premium class, full-flat bed airline seating. Thompson's bespoke solutions maximise passengers' personal space and through intelligent design, optimise every inch of the cabin. On-going exploration of new concepts, materials and technologies ensures that Thompson is always at the forefront of product development and innovation.

Areas of expertise:

- Bespoke product development - high levels of customisation offered
- Turnkey solutions - all products designed, engineered, manufactured and assembled by Thompson in Northern Ireland
- Innovative and efficient seating solutions, maximising passenger comfort and cabin space
- Proven reliability and easy maintenance ensures the lowest total cost of ownership



Contact

Andy Morris

E : sales@thompsonaero.com

T : +44 (0) 28 3833 4000

W : www.thompsonaero.com

Address

51 Seagoe Industrial Estate
PORTADOWN
BT63 5QE



www.thyssenkruppaerospace.com

ThyssenKrupp Aerospace is a subsidiary of the €40 billion international ThyssenKrupp Group. ThyssenKrupp focuses on supplying aerospace raw materials and finished parts logistics to the world's leading aerospace companies and their supply chains. Operating from numerous service centres throughout the Americas, Europe, Africa and Asia Pacific enables ThyssenKrupp to aggregate demand across a single supply chain on behalf of the world's leading OEMs.

Areas of expertise:

- Quick response to adhoc requests
- Service provision
- Supply chain management
- 3rd party logistics (3PL)
- Tooling management



ThyssenKrupp Aerospace UK

Core Activities

Stock hold, preparation & supply of ferrous & non-ferrous materials into aerospace sector

Year Established

2008

Employee Number

<50

Annual sales

\$10m +

Certifications

SC21 Silver Award, ISO9001:2015, AS9100, AS9120, OHSAS18001:2007, ISO14001:2004

Approvals

Bombardier Aerospace, Airbus, Westland, Thales, BAE Systems, BSI

Contact

Andy Scott

E : andy.scott@thyssenkrupp.com

T : +44(0)28 9184 4100

W : www.thyssenkruppaerospace.com

Address

Kiltonga Industrial Estate, Belfast Road
NEWTOWNARDS
BT23 4TJ

TRIMITE

GLOBAL COATINGS

Weilburger Coatings UK Ltd

T/A Trimite Global Coatings

Core Activities

Manufacturers of powder coatings, wet paints, pre-treatment chemicals and custom aerosols

Year Established

1940

Employee Number

51-249

Annual sales

\$10m +

Certifications

ISO9001

Trimite Global Coatings is a trusted partner for innovation, quality performance coatings and metal treatments. Founded in 1940 Trimite has built its reputation on manufacturing high performance and technologically superior coatings to a broad range of industries including defence, aerospace, plastics and general industrial market sectors

Areas of expertise:

- Wide range of defence & aerospace interior coatings
- Superior batch to batch & cross medium colour continuity
- Full range of repair & retouch options available
- Products are WEE, RoHS & REACH compliant
- Anti-bacterial versions of powders coatings & wet paints available



Contact

Stephen McConnell
E : steve.mcconnell@trimite.com
T : +44 (0) 28 9066 3361
W : www.trimite.com

Address

Falcon Road
Adelaide Industrial Estate
BELFAST
BT12 6RD



Ulster is a university with a national and international reputation for excellence, innovation and regional engagement.

Areas of expertise:

Ulster's research strategy is implemented through a number of powerful, multi-disciplinary research institutes developed with particular focus on key industry sectors/niche market areas:

- Engineering research institute - ERI & Northern Ireland advanced composites engineering centre - NIACE
 - ECRE - composites research
 - AmFoR - advanced metal forming
 - NIBEC - nanomaterials/nanofabrication/clean technologies
- Fire safety engineering (FireSERT)/hydrogen safety engineering (HySAFER)
- Computer science research institute (CSRI)

The 2014 REF results show engineering at Ulster is in the top 20 within the UK as well as being the leading materials research institute in Northern Ireland. Also, 100% of the Institute's research impact is world-leading.



Ulster University

Core Activities

Teaching and learning, widening access to education, research & innovation and technology & knowledge transfer

Year Established

1984

Employee Number

250+

Annual sales

\$10m +

Contact

Dr Alistair McIlhagger
E: a.mcilhagger@ulster.ac.uk
T: +44 (0) 28 9036 6670
W: www.ulster.ac.uk

Address

Cromore Road
COLERAINE
BT52 1SA



United Performance Metals Ltd

Core Activities

Stockists of titanium and high temperature specialty alloys with comprehensive value-added services and supply chain management.

Year Established

1967

Employee Number

<50

Annual sales

\$10m +

Certifications

ISO 9001:2008
AS9100:2009
AS9120 Rev A, PWA 119 1&2
ISO 13485:2003
AS7003, EE02-S-422

Contact

Michael O'Prey
E: moprey@upmet.uk
T: +44 (0) 28 9181 7919
T: +44 (0) 78 2533 0594
W: www.upmet.uk

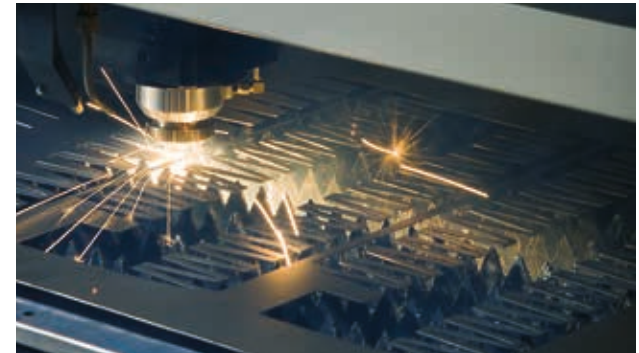
Address

Ballyharry Business Park
6 Berkshire Road
NEWTOWNARDS
BT23 7HH

United Performance Metals stocks titanium, stainless steel, nickel, cobalt and cobalt chrome moly in sheet, coil, plate, bar and forged block in aero grades for customers worldwide. FirstCut+® prefabrication services include water jet cutting, bar sawing, plate sawing and shearing. UPM offers comprehensive supply chain management.

Areas of expertise:

- Specialists in titanium, stainless steel, nickel alloys, cobalt alloys and cobalt chrome moly
- Comprehensive inventory in sheet, coil, plate, bar & forged block
- FirstCut+ processing and prefabrication services
- Same or next day shipment from stock; mill quantities to blanket orders
- Comprehensive supply chain management and quality approvals



Vita Materials produces aircraft seat cushions for the OEM & MRO markets. Its globally unique LongHaul Technologies intelligent air/foam cushions can reduce weight by up to 45%. It also produces rolls of graphite foam/scrim for dress cover manufacturers.

Areas of expertise:

- Covered aircraft cushions direct to line
- Aircraft cushions up to 45% lighter than conventional graphite
- Products for business jets and crew rest areas
- In-house product development to customer specification
- Rolls of graphite/scrim for dress cover manufacturers



Vita Materials Ltd

Core Activities

Technical foam conversion; fabrication and lamination of foam products

Year Established

1964

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

ISO9001

Approvals

Supply products to multiple EASA Part 145 & Part 21 companies and airlines

Contact

Mark Gray
E : mark.gray@vitamaterials.com
T : +44 (0) 7834 740019
W : www.vitamaterials.com

Address

15-18 City Business Park,
Dunmurry
BELFAST
BT17 9GX



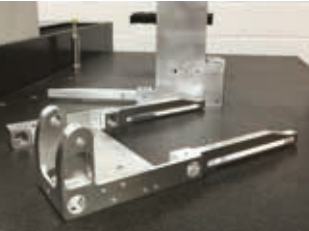
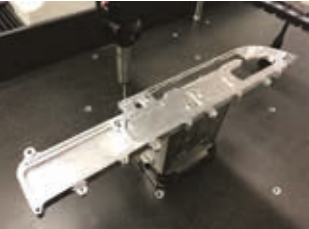
WHISKIN PRECISION ENGINEERING
www.whiskinprecision.com

Whiskin Precision Engineering manufactures high quality precision engineered multi-axis milled and turned components from specialised parts to batch production.

We supply global businesses in aerospace, defence and security sectors. Combining traditional engineering techniques with the sophistication of modern technology it offers a complete engineering service.

Areas of expertise:

- Precision engineering 3 and 5 axis milling, turn/mill capabilities
- Product design and manufacture
- Tool-making
- R&D development
- Batch production



Whiskin Precision Engineering Ltd

Core Activities

Precision Engineering
Jigs and fixtures design and manufacture
Reverse engineering

Year Established
2001

Employee Number
<50

Annual sales
\$1-\$5m

Certifications
ISO 9001:2015
AS 9100 (Targeted for 2019)

Contact

Victor Vaughan
E: victor@whiskinprecision.com
T: +44 (0) 28 9044 9990
W: www.whiskinprecision.com

Address

67B Upper Branial Road
BELFAST
BT5 7TX

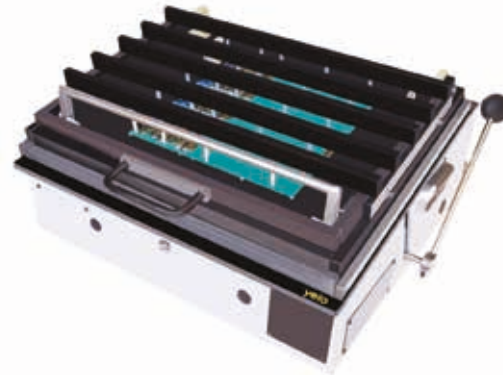


www.yelo.co.uk

Yelo designs and builds electronic test equipment including; PCB bed of nails, testing of sub assembly and final product. Yelo can manufacture bespoke testing equipment for any type of electronic product and recently opened a new 25,000 sq ft facility to expand its manufacturing capability.

Areas of expertise:

- Electronic test equipment
- Bespoke test equipment
- Burn-in and life test
- Test jigs and fixturing
- Test software



Yelo Ltd

Core Activities

Design & manufacture of electronic test equipment

Year Established

1983

Employee Number

<50

Annual sales

\$1-\$5m

Certifications

ISO 9001

Contact

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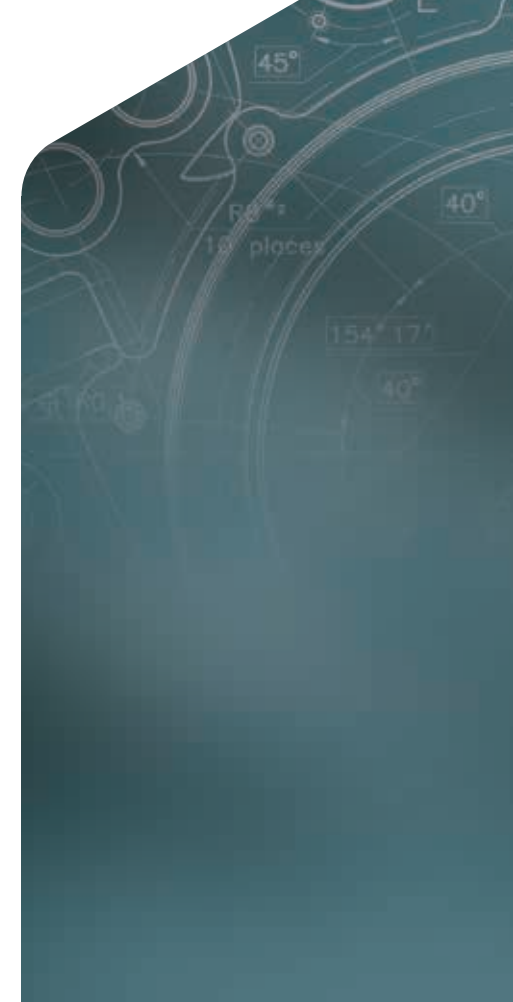
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COMPANY NAME	Composites	Defence	Design & Stress Engineering	Logistics	Materials Supply	Metal Forming	Precision Machining	Interiors	Structures/Wings	Tooling	Treatments	Research/Training	Other
ADS													•
Aerospace Metal Finishers											•		
All Metal Services					•								
Axis Composites	•											•	
Belfast Aircraft Stress Engineers			•										
B/E Aerospace UK								•					
Belfast Metropolitan College												•	
Blue Eagle Precision							•	•					
Bombardier Belfast	•								•				•
Boyce Precision Engineering							•	•					
Bradfor								•					
Causeway Aero Group Ltd			•				•	•	•	•			
CCP Gransden	•												
Centre for Competitiveness													•
Clinty Regen											•		•
CM Precision Components							•						
Copas Technologies							•	•					
Creative Composites	•												
Crossen Engineering						•	•			•			
Cunningham Covers													•
Cuthbertson Laird Group													•
Datum Tool Design	•		•							•			
Denroy Plastics	•									•			
Derry Precision Tools							•						
DHL Global Forwarding (UK)				•									
Donite Plastics								•					
Dontaur Engineering							•						
Doran Precision Engineering							•						
Eirtech Aviation Composites Ltd	•												
Electronic Automation Engineers										•			•

COMPANY NAME	Composites	Defence	Design & Stress Engineering	Logistics	Materials Supply	Metal Forming	Precision Machining	Interiors	Structures/Wings	Tooling	Treatments	Research/Training	Other
ECIT												●	●
Elite Electronics Systems													●
Euro Composites	●												
Exact CNC	●						●	●		●			
Fleet Maintenance Ireland				●						●			●
Genesis Aerotech													●
Goudsmit UK							●						
GEE Precision							●						
Hex Horus													●
The Gill Corporation Europe	●												
IconicRF												●	●
IPC Mouldings							●	●		●			
jheSOLUTIONS													●
John Rainey & Sons										●			
JUNO Composites	●				●								
JW Kane Precision Engineering							●						
Kuehne + Nagel				●									
Kx													●
Laser Prototypes (Europe)													●
LenisAer			●			●							
Magellan Aerospace (Greyabbey)							●						
Marlborough Engineering							●			●			
McAuley Precision						●	●						
McGreevy Engineering							●						
McKenzies (NI)													●
MF Logistics UK				●									
Mo Team	●		●										
Morson Projects			●										●
Moyfab Tool Company										●			
Moyola Precision Engineering							●			●			





COMPANY NAME	Composites	Defence	Design & Stress Engineering	Logistics	Materials Supply	Metal Forming	Precision Machining	Interiors	Structures/Wings	Tooling	Treatments	Research/Training	Other
Nacelle Systems Consultancy			●										
Nicholl Engineering							●						
Nitronica			●									●	
NIACE												●	
NITC												●	
Nova Precision							●			●			
Pinnacle Professional													●
Platinum Precision Engineering							●						
QMS Insight													●
Quality Blue													●
Queen's University Belfast												●	
Resonate Testing												●	●
RLC							●				●		
RTA Ireland				●									
RW Powder Coatings											●		
Smiths Engineering Works (NI)							●						
Springco (NI)						●	●						
Survitec Group								●					
Technical Metals											●		
Thales UK		●	●										
Thompson Aero Seating								●					
Thyssenkrupp Aerospace UK					●								
Trimate Global Coatings											●		
Ulster University	●					●						●	
United Performance Metals					●								
Vita Materials					●			●					
Whiskin Precision Engineering							●						
Yelo													●



www.InvestNI.com

Invest Northern Ireland (Invest NI) is the economic development agency for Northern Ireland. It promotes inward investment and trade opportunities from an extensive local and international office network. Invest NI supports business development, helps to increase productivity and exports, attracts high quality inward investment and seeks to stimulate a culture of entrepreneurship and innovation.

Invest NI offers inward investors one of the most attractive support packages available in Europe. Invest NI's packages of financial support are tailor-made for each individual investment project and a dedicated Invest NI project team will work on the project construction, implementation and post-setup operations as well as an ongoing partnership approach to ensure companies located in the region have successful growth.

Companies operating in Northern Ireland also benefit from a wide range of UK tax incentives such as Patent Box, enhanced R&D Tax Credits, property tax exemptions for manufacturing property and generous capital depreciation allowances.

Financial support can include:

- Employment grants, to support job creation
- Pre and post-employment training assistance, to support skills development
- Research and Development grants, to support new product development and innovation
- Financial investment in the share capital of a company and loans at commercial and concessionary rates, to support business growth
- Market development assistance, to support exports
- Investment in VC and Loan Funds, to support local start-ups and high potential growth companies

Non financial support includes a range of technical and advisory support services in areas such as:

- Property search and selection
- Talent sourcing
- Operating efficiency
- Business development support



Invest Northern Ireland

Core Activities

Economic development of Northern Ireland through attracting new inward investment and supporting Northern Ireland companies in increasing export sales.

Year Established

2002

Employee Number

>250

Contact

Aerospace Team

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