



GKN AEROSPACE

Capabilities Showcase / 2026

Partnering the Aircraft of the Future



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GKN Aerospace at a glance

GKN Aerospace is the world's leading multi-technology tier 1 aerospace supplier of advanced engine systems and aerostructures. For decades, GKN Aerospace technologies have inspired and industrialised the aerospace industry, combining engineering excellence and technology leadership. GKN Aerospace is listed under its parent company name Melrose Industries PLC (LSE:MRO)



Melrose

Melrose Industries PLC is a global aerospace technology business listed in the UK, with a strong track record of delivering value for both customers and shareholders. Melrose delivers industry-leading aerospace technology through its operating business, GKN Aerospace.

Today we are truly global, with 16,000 employees in 12 countries at 30+ manufacturing locations around the world. All major aircraft and engine manufacturers depend on our cutting-edge technologies. Our engine systems, aerostructures, electrical wiring systems, transparencies, and landing gear enhance the performance of around 100,000 flights daily.

Our mission: to be the most trusted and sustainable partner in the sky

GKN Aerospace is putting environmental sustainability at the heart of our business. By working closely together with universities, knowledge institutes, suppliers and customers, we aim to lead the industry in developing technologies that rapidly decarbonise aircraft, while innovating to help build the next generation of aircraft.

Aerospace

GKN Aerospace in numbers

 30+
Sites

12 
Countries

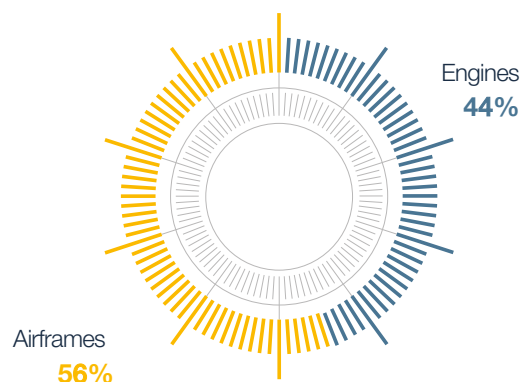
16k 
People


£3.6bn
Sales in 2025

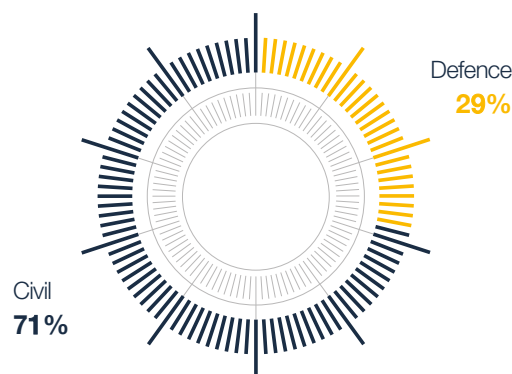

Net Zero in
2050


On Board
90%
of aircraft made today

Sales by division



Sales by market



Figures as of December 2025

Our Differentiators

/ Aerospace Industry Leadership

World-class Aerospace Engines and Airframes divisions.

/ Innovative technology and R&D

We are at the forefront of aerospace trends and technology, enabling our customers to build and operate smart innovative sustainable and affordable aircraft and engines with our advanced solutions.

/ Operational excellence

Operational excellence starts with all our employees, because together we are GKN Aerospace.

/ Global Footprint

A global network of 30+ sites and an international workforce of 16,000 skilled employees across the globe.

/ Sustainability strategy and commitments

Committed to achieving a more sustainable future of flight supported by ethical and transparent governance practice.

Two market-leading aerospace divisions



Engines

GKN Aerospace is a world-leader in engine systems and a design partner for the world's most successful aircraft engines. It is uniquely positioned to both enhance today's engines and develop the next-generation of more efficient propulsion systems.



Airframes

Our advanced, lightweight aerostructures expertise and deep customer relationships enable us to deliver breakthrough developments. We collaborate and act as a trusted partner in everything we do today and we look beyond immediate market requirements, as we push the boundaries to shape a sustainable future for the aerospace industry.

Markets and solutions

GKN Aerospace is the leading global tier one aerospace supplier for the majority of the world's aircraft manufacturers. From lightweight aerostructures to smart engine systems, from wiring systems to landing gear, and from ice protection systems to transparencies, GKN Aerospace is the original aerospace innovator.



Markets and so



Engines



**Civil
Airframe**



**Defence
Airframe**



Aerostructures



**Propulsion
Systems**



**Aftermarket
services
and MRO**



**Electrical Wiring
Interconnection
Systems**



Transparencies



Landing Gear

olutions



Engines

We support our customers in delivering world-leading, sustainable propulsion solutions. Our innovative engine systems offer significant improvements in performance and fuel consumption.

Markets

Markets

Civil Engines

We are a super tier one provider of high performance structural and rotating engine components. Based on our diverse range of capabilities and close partnerships with major aero-engine OEMs, we lead the industry in fabrication of advanced engine structures, cases and frames. We provide tailored repair and overhaul services, supporting our customers around the world, and also offer electric wiring solutions for propulsion systems.

Defence Engines

We are the OEM and Type Certificate holder of the RM12 engine powering the Gripen C/D fighter. That includes design, development, manufacture, assembly, certification, maintenance, repair, overhaul and technical product support. GKN Aerospace also provides the technical product support and MRO for the Gripen E RM16 engines of the Swedish Air Force. We work closely with our customers to ensure low cost operation and flight safety. We also provide components for a wide range of military fighter engines, such as the F100, F135, F404 and F414.

Launcher Engines

We have participated in the European Ariane launcher programme from its outset, with the production of the thrust chambers for the Viking and Vulcain rocket engines. Today GKN Aerospace's involvement is continuing, we supply the turbines and the nozzle of the Ariane 6 rocket.

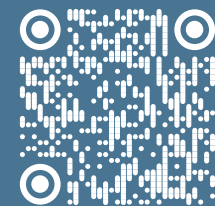
Industrial Gas Turbines

We are also experts in industrial gas turbines, where we design and make parts and provide overhaul and repair services.



Products and capabilities

- / Fan Statics
- / Rotatives
- / Turbine Statics
- / Compressor Statics
- / Military Systems
- / Parts Repair

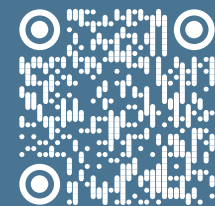


Read more
about our engine
capabilities here.

Solutions

World leading engine capabilities

GKN Aerospace is a super Tier One provider of both structural and rotating engine components, subsystems and modules with a broad range of capabilities and close strategic partnerships with all the major OEMs and tier one suppliers, including General Electric, Pratt & Whitney, Rolls-Royce, Safran Aircraft Engines and MTU.



Read more
about our engine
capabilities here.

Products and capabilities

/ Whole Engine Competence

/ Fan Statics

- Fan cases (metallic and composite)
- Fan frames
- Compressor structures
- Fan OGVs
- Core engine ducts

/ Fan Rotatives

- Fan blades
- Shafts

/ LP Compressor

- Compressor blades and vanes
- Blisks
- Compressor rotors

/ Extended Exhaust

- Turbine frame structures
- Fixed guide vanes
- Nozzle and plug

/ Space Propulsion

/ Fuel Pump Turbines

/ Rocket Exhaust Nozzles

/ Additive Fabrication

Our capabilities have been, and continue to be, developed through constant investment and innovation. We have developed our partnerships taking full design responsibility for both aerodynamic and mechanical design. We offer technology solutions that can reduce the weight of metallic engine parts by up to 15%, thanks to optimised load path design and aerodynamic duct design. Our laser welded fabricated structures replace single piece castings. Our welded concepts also integrate additive manufacturing (AM) and utilise manufacturing process modelling to enable extremely light weight designs.

GKN Aerospace specialises in cold and hot structural parts, and is one of the world's leading independent suppliers of light-weight engine frame structures.

Our offer is focused on four engine modules:

Fan statics

We have developed the compressor structures for engines such as Trent 900 and Trent XWB, the Pratt & Whitney PW1000 geared turbofan and for GEnx.

We lead the market in the design and production of fan containment and non-containment cases in titanium, aluminium, alloy and composites.

Fan rotatives

GKN Aerospace is a market leader in metallic fan blade manufacture, supplying all the major aero-engine OEMs.

We manufacture a broad range of rotating aero-engine products including both fan hubs and metallic fan blades, composite fan spacers and spinners. We are the world's largest non-OEM provider of fan blade repair services.

Low-Pressure (LP) compressor

We have designed and tested sub-scale LP compressor modules using in-house aerodynamic, aeromechanic and mechanical design tools. We have extensive manufacturing experience in compressor rotors and blisks.

Extended turbine exhaust

We have developed the turbine exhaust structures for engines such as the Pratt & Whitney PW1000 Geared Turbofan, Engine Alliance GP7000 and the GEnx. Our optimised welded concepts are 10-15% lighter than other comparable solutions.

Military Engines - Whole Engine Competence

We hold the Type Certificate for the RM12 engine for the Gripen fighter. The Gripen was developed for the Swedish Air Force and is used by the air forces of Sweden, South Africa, Thailand, Hungary and the Czech Republic. The engine is a single engine adapted derivative of General Electric's F404-engine. GKN Aerospace also provides the technical product support and MRO for the Gripen E RM16 engines.

Space Propulsion

GKN Aerospace has participated in the European Ariane launcher programme since its launch and produced the thrust chambers for the Viking rocket engines. On the Vulcain 2 rocket engine we manufacture the nozzle extension and turbines.

GKN Aerospace also manufactures the Ariane 5 main engine frame, one of the most complex structural systems of the Ariane 5 launcher.

Today we manufacture the turbines and nozzle for the Ariane 6 rocket.



Engines Repair Solutions

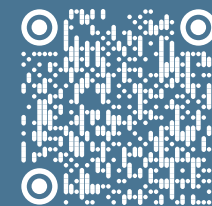
At GKN Aerospace, we specialise in world-class MRO services for aircraft engines and components. With centres of excellence across Europe, USA and Asia, we offer tailored repair and overhaul solutions that prioritise speed, quality, and reliability.

Minimising downtime is critical for operators of both aircraft engines and industrial gas turbines. Our global presence and independent repair capabilities allow us to work closely with customers worldwide to develop solutions that meet their unique operational needs, whether for fan blades, structural cases, platforms, or full engine MRO.

We offer a comprehensive range of repair solutions for aircraft engines, with a global network that ensures timely and high-quality services across multiple regions.

As a leader in fan blade and static case repair and overhaul, we service a wide range of engine types that dominate industry volume. We proudly support over 500 customers worldwide.

/ Contact us at:
RepairSolutions@
GKNAerospace.com



Read more
about our MRO
services here.



San Diego, USA

**GKN Aerospace Centre of Excellence
Airfoils & Rotatives**

- / Facility Size: ~150,000 sqft
- / Capacity: 72,000 units per year
- / Wide body & Narrow body
Engine Component MRO
- / Services:
 - Metallic and composite fan blade repairs
 - Platform and filler repairs
 - Fan Disc and IBR repairs



Johor, Malaysia

**GKN Aerospace Centre of Excellence
Airfoils & Fan Components**

- / Facility Size: 100,000 sqft
- / Capacity: 35,000 - 45,000 units per year
- / Narrow body Engine Component MRO
- / Services:
 - Metallic and composite fan blade repairs
 - Platform repairs
 - Metallic and composite cone and fairings repairs



Trollhättan, Sweden

**GKN Aerospace Centre of Excellence
Structural Cases, IGT Engine Overhaul
& Field Service Support**

- / Facility Size: 480,000 sqft
- / Component MRO and full engine sustainment
- / Design and Repair Development Complex structures
- / Expertise:
 - Cases and structures
 - Full engine MRO - Military and Industrial Gas Turbines
 - On-site service teams for immediate support
 - 24/7 technical assistance and troubleshooting
 - Access to lease and exchange engines to keep you operational

GKN Aerospace MRO Key Figures



3 sites
USA, Europe & Asia



600
Employees



One
Stop Shops



500+
Customers



15+
Engine Programs



80,000+
Repaired parts/year



Civil Airframe

GKN Aerospace develops, builds and supplies an extensive range of advanced aerospace systems, components and technologies—for use in aircraft ranging from leading single-aisles to wide body aircraft, business jets and urban air mobility solutions.

Narrow body

As one of the world's leading global tier one suppliers in the Aerospace industry, GKN Aerospace designs and manufactures products and systems for A220, A320 (both ceo and neo) and B737 (and MAX) narrow body aircraft. Main areas of product responsibility are aerostructures, wiring systems, transparencies and ice protection systems.

Wide body

GKN Aerospace has established a strong position in the wide body market supplying a broad base of innovative solutions to A330, A350XWB, B777 and B787 platforms.

Regional Jets, Business Jets

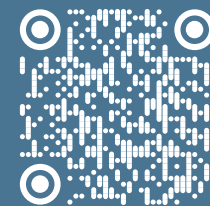
GKN Aerospace uses its world-leading capability in design and manufacture of aerostructures, propulsion systems and wiring systems for business jets and regional jets. This has resulted in long-term relationships with key customers like Cessna, Gulfstream, Hondajet and Dassault.

Urban Air Mobility & Sub-Regional Electric Aircraft

The development of urban air mobility and sub-regional all-electric aircraft is a game-changer. In the quest for more environmentally friendly aviation, GKN Aerospace is proud to bring its wealth of experience in design and certification, as well as technology leadership, to shape the next generation of sustainable aircraft with new business models and faster time-to-market. Key customers include Archer Aviation, Joby Aviation, Supernal, and Vertical Aerospace.

Products and capabilities

- / Composite and metallic aerostructures
- / Machined Parts
- / Wing fixed trailing edge
- / Wing Spar
- / Fuselage panels
- / Empennages
- / Composite winglets
- / Composite flaps
- / Thermoplastic floor panels
- / Electrical wiring interconnection systems
- / Ice protection systems
- / Transparencies



Read more
about our civil
capabilities here.



Defence Airframe

With our innovative technologies and our unique global network, we are positioned to strengthen the Trans-Atlantic industrial base and, thereby provide deterrence through production.



Markets

Products and capabilities

- / Composite and metallic aerostructures
- / Tails and aft section
- / Electrical wiring and interconnection systems
- / Landing gear
- / Canopy
- / Ice protection systems
- / Large-scale Additive Manufacturing
- / Missiles
- / Efficiency and sustainability
- / High Volume production
- / From development, BTP/DA/BTR to serial production and best calls industrialisation skills

Fixed wing

We ensure that customers have our cutting edge solutions available wherever and whenever they need it. Our portfolio ranges from the Eurofighter Typhoon to the F-35 and from SAAB Gripen to the world's most advanced six-generation fighters.

Vertical Lift

GKN Aerospace's position as a global technology leader in aerostructures, EWIS and landing gear, is meeting the needs of medium and heavy lift platforms as well as transport and combat rotorcraft. Our involvement ranges from Chinook and Apache to the NH90. As a consortium partner in the NH90 partnership, we manufacture the composite tail, landing gear and door of the NH90, the most successful European helicopter.

Space

Our breakthrough technologies in additive manufacturing, lightweight composites and smart engine systems are used in the manufacturing of engine launch structures and engine components.

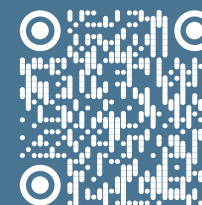
Our reliable systems and components range from aerostructures, and electrical wiring systems to engine components. GKN Aerospace is ready to provide solutions for customers and their programmes around the globe.

Un-Crewed

We are a key supplier for Unmanned Aerial Vehicle (UAV) and Remotely Piloted Aircraft System (RPAS) programmes. The market and technology leadership of GKN Aerospace in advanced aerostructures, EWIS and lightweight technologies has demonstrated to be a strong fit with the requirements of the UAV OEMs. For Market leader GA-ASI we design and build composite landing gear and the composite tail for the MQ-9B SkyGuardian®.

Missiles

GKN Aerospace is a leading manufacturer of lightweight reusable and more affordable missile canisters, Missile structural components and EWIS. Leveraging a long history of manufacturing high-quality sustainable components for manufacturers like Raytheon and Lockheed Martin, our lightweight re-useable missile canisters are manufactured through a unique efficient process of filament winding followed by vacuum infusion. Supporting high volume production and with dedicated production cells. From prototyping development to serial production and best calls industrialisation skills.



Read more about
our defence
capabilities here.



Aerostructures

GKN Aerospace is the global Tier One Aerostructures supplier to 90% of today's major civil aircraft. Our innovative, lightweight technology supports our customers in creating the next-generation of industry-leading aircraft.

We provide empennages, wing structures, fuselages and components for major platforms ranging from helicopters to business jets and from advanced fighter aircraft to the most used single aisle aircraft and the largest passenger planes in the world. With lightweight composites, additive manufacturing and innovative high-speed machining technologies we help to reduce emissions and weight on the aircraft and enhance passenger comfort.



Gulfstream G650 empennage

Wing Spars & Fixed Trailing Edges

We leverage our unique and extensive expertise across primary and secondary structures, components, control surfaces and systems in conjunction with core assembly and integration skills to deliver leading and trailing edge assemblies ready to be plugged into our customers' wing assembly lines.

Fuselages

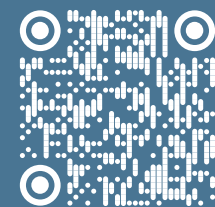
We are engaged in the design, development, certification, manufacture and assembly of metal and composite fuselage structures for rotary and fixed-wing aircraft including military fighters and transport, commercial and general aviation platforms.

Empennages

We are market leader in large aerostructures for business jets, many of which feature GKN Aerospace's optimised, efficient and cost effective empennages. Innovative lightweight thermoplastic composite solutions are included in each of the tails. Our expertise also includes empennages and aft-sections for rotorcraft like the NH90 and Chinook helicopters.

Nacelles and pylon

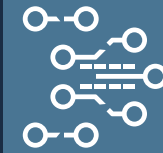
We are responsible for the complete design, development, manufacture, assembly and certification of a number of turboprop and turbofan solutions including engine build unit (EBU) and podding.



Read more
about our
aerostructures
capabilities here.

Electrical Wiring Interconnection Systems

GKN Aerospace's wiring business is recognised as a market and technology leader in electrical wiring interconnection systems (EWIS) for commercial and military aircraft and aircraft engines.



We design, manufacture and support EWIS, electrical panels and boxes to all leading aerospace OEMs including Airbus, Gulfstream, Honda, Honeywell, Leonardo, Lockheed Martin, Pratt & Whitney, Raytheon and Rolls-Royce.

As EWIS systems are affected by almost any configuration change of the aircraft, the efficient management of complex and frequent design changes into production is core to the business. The wiring design and manufacturing system toolset integrates all aspects of wiring system management, including perfect configuration management and continuous monitoring into one powerful online system. We offer our customers a single process across multiple sites, resulting in a consistent quality product that supports each customer's needs over the entire life cycle of their programmes. The proven system is recognised worldwide as best practice in the industry.

GKN Aerospace is responsible for the design and production of the entire Electrical Wiring Interconnection System of the Lockheed Martin F-35 Lightning II and of the Airbus A220.

The international production in strategic regions including Turkey, China, India, the Netherlands, Canada and Mexico enhances affordability, and supports customers with local content, offset and industrial participation.



Solutions

Transparencies

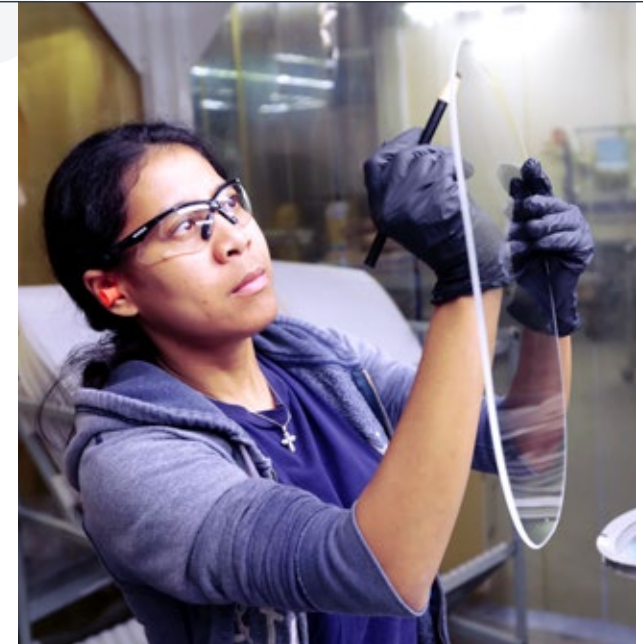
We are a world leader in the supply of transparencies to the military and civil markets with a global reputation for our technologies, patents and proprietary processes in glass, acrylic, polycarbonate and coatings.



Working with our customers to extend the capabilities of aircraft transparencies across both military and civil markets, we jointly develop requirements using our proprietary design and analysis tools and development, testing and certification processes to deliver a fully qualified product - a key differentiator for our transparency business.

Our products are fitted to platforms from supersonic military jets such as the F-35 Lightning II (JSF) and the Eurofighter Typhoon to commercial aircraft such as the Airbus A350 XWB and Boeing 787 Dreamliner. GKN Aerospace Crystal Vue II™ passenger cabin windows are standard fit on many passenger aircraft.

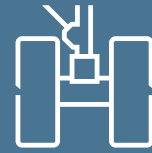
We also provide aftermarket support for a variety of passenger aircraft, business aviation, and special mission aircraft and mature fleets. All our transparency manufacturing sites offer certified repair station services for commercial and military aircraft and provide global support to aircraft operators including offering comprehensive component overhaul and framing services.



Products and capabilities

- / **Manufacture of passenger cabin windows, windshield/cockpit windows and canopies**
- / **Superior optics – use of CAD technology to remove optical distortion and increase clarity**
- / **Bird impact resistance up to 600 knots**
- / **Shock hazard elimination**
- / **Framing, repair and overhaul, and refurbishment**
- / **Egress (MDC) systems**
- / **OEM licensed**
- / **Part 145 FAA and EASA approved**

Landing Gear



GKN Aerospace's landing gear business specialises in the design, development, manufacturing and MRO of landing gear systems for small- to mid-size aircraft and helicopters. It has full life cycle capabilities including MRO and spares support and an outstanding track record in delivering weight- and cost-efficient landing system designs.

GKN Aerospace designs, manufactures and supports landing gear systems for leading aircraft and system integrators, including Boeing, Northrop Grumman, Lockheed Martin, NHIndustries and General Atomics. Supported platforms include the F-35, Apache AH 64, Bombardier Dash 8 Q400, NH90 multi-purpose helicopter and F-16.

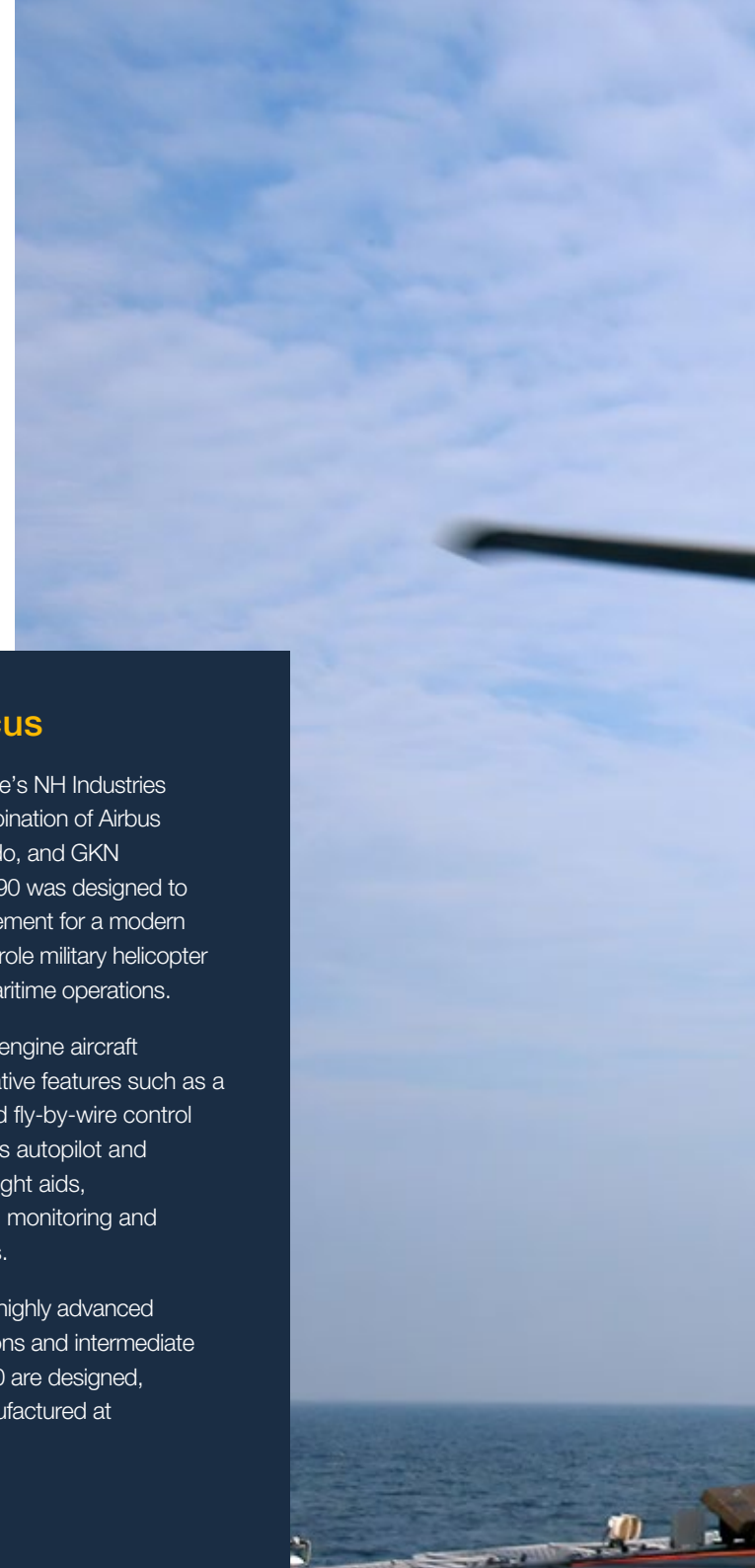
GKN Aerospace is a leading provider of Maintenance, Repair, and Overhaul (MRO) services for landing gear systems ensuring the safety, reliability, and longevity of helicopter landing gear.

NH90 in focus

Developed by Europe's NH Industries partnership - a combination of Airbus Helicopters, Leonardo, and GKN Aerospace - the NH90 was designed to meet NATO's requirement for a modern medium-sized multi-role military helicopter for both land and maritime operations.

The NH90 is a twin-engine aircraft incorporating innovative features such as a full glass cockpit and fly-by-wire control system with four-axis autopilot and advanced mission flight aids, along with on-board monitoring and diagnostics systems.

The tail, cabin door, highly advanced landing gear, sponsons and intermediate gearbox of the NH90 are designed, developed and manufactured at GKN Aerospace.



Solutions



Innovations

GKN Aerospace is the original innovator in the aerospace industry, with over 265 years of industrial heritage and a century of pioneering advancements in aviation.

Innovation in numbers

Our Global Technology Centres are a testament to our commitment to the future. We are making significant investments, collaborating with innovative ecosystem partners, and leveraging government innovation support to introduce the next generation of zero-emissions technology to aerospace markets.

Investing
continuously

in sustainable technologies to
power the Future of Flight

4

Global technology centres

Technology Centres in the UK,
Sweden, the Netherlands and US

90%

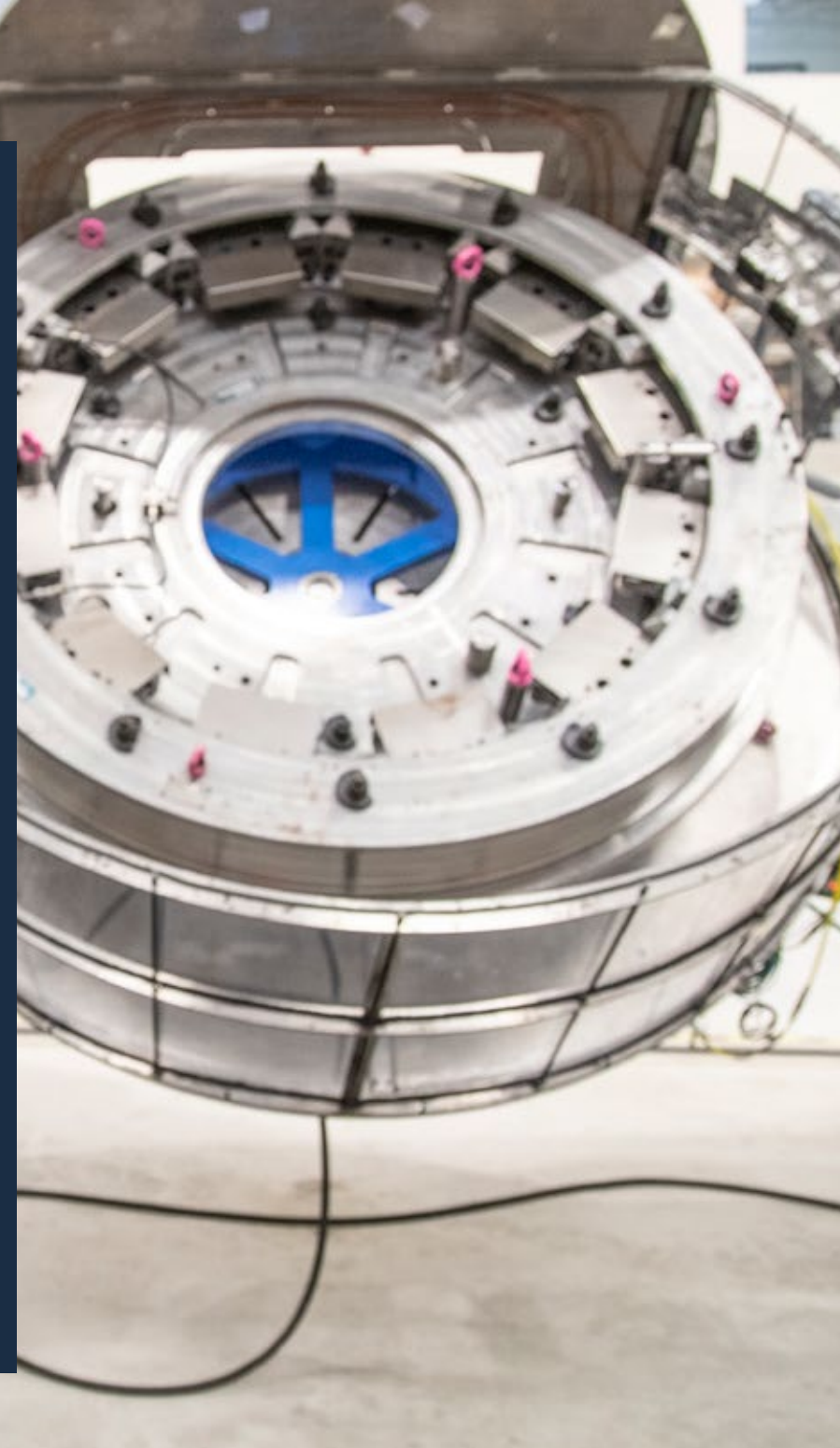
Market reach

Of today's aircraft have GKN Aerospace
advanced technology on board

>650

Global patents granted

Strong protection for our
market-leading technology



Shaping the future of flight

Our deep technology expertise and outstanding customer relationships enable us to design and industrialise breakthrough solutions. We collaborate and act as a trusted partner in everything we do today. And we look beyond immediate market requirements, as we push the boundaries to shape a sustainable future for the aerospace industry.

Additive Fabrication

GKN Aerospace is a leader in additive fabrication, creating lightweight, high-strength parts with unparalleled precision and efficiency. This technology reduces material waste and production time, enhancing sustainability and cost-effectiveness. Our significant investments in additive Centres of Excellence in Sweden, the US and the UK underscore our commitment to innovation. Our advanced solutions address supply chain challenges and promote sustainability, paving the way for next-generation engine and aircraft platforms. Today, we have load-bearing additive components in serial production for major engine and aircraft platforms, including the Airbus A220 and Embraer E195 aircraft. Notably, we've developed the Fan Case Mount Ring for the PW1500G and PW1900G using unique Laser Metal Deposition, minimizing waste, costs, and lead times, and significantly reducing the weight.

World's largest AM cell

GKN Aerospace now stands at the forefront of additive manufacturing, boasting one of the world's largest AM cell and dedicated centres in Trollhättan, Bristol, and Fort Worth. Our state-of-the-art hubs serve as a beacon of progress in additive manufacturing research and development enabling the production of large-scale airframe and engine structures. Through advanced techniques and materials, we unlock unprecedented possibilities in design, production, and performance.

Lightweight composites

Known for its unique processing possibilities, lightweight properties, and strength, composites are increasingly being used in the aerospace industry to replace various metallic parts. GKN Aerospace is technology leading in breakthrough thermoset and thermoplastic aerostructures reducing the weight of aircraft structures up to 20% compared to traditional solutions.

Next Generation Wing Technology

GKN Aerospace has applied its long-term experience and in-depth knowledge of wing trailing edges and advanced composite technology for Airbus' "Wing of tomorrow" programme and has now delivered composite spar and fixed trailing edge demonstrators. Our technologies are supporting the high-rate, low-cost manufacturing of composite components using large scale Resin Transfer Moulding (RTM) technology. This could result in up to 20% weight savings on wings for large commercial aircraft. GKN Aerospace continues its commitment to advancing sustainable high performance wing technologies through its collaboration with on Airbus' SusWingS development programme, dedicated to creating high-performance wings and environmentally conscious manufacturing processes.

Thermoplastic Composites

Sustainable thermoplastic composites save at least 10% weight compared to traditional materials, and are contributing to reduced carbon emissions. Our R&D programmes are focused on the development of new thermoplastic materials and processes for scalable high volume production of lightweight sustainable components. GKN Aerospace's thermoplastic solutions for rudders, elevators and floorboards are flying on Gulfstream's and Dassault's latest business jets. In collaboration with partners, GKN Aerospace spearheaded the remarkable project that developed the 8-meter-long thermoplastic lower fuselage half-shell for Airbus' Multifunctional Fuselage Demonstrator (MFFD) Clean Sky 2 project.

Emerging Technologies

We are putting sustainability at the heart of our business, both in the way we operate and the technology we develop. We know the biggest impact we can make is by developing solutions which reduce in-flight emissions, contributing towards the industry goal of net zero 2050.



Emerging

Electrification

GKN Aerospace is at the forefront of technology in electrical wiring interconnection systems (EWIS). Through our international research and technology collaboration programs, we are developing High Voltage High Power EWIS to meet the growing electrical demands of hybrid-electric propulsion systems. These advanced systems will drive the future of air mobility vehicles and hybrid-electric regional aircraft.

Hydrogen propulsion Programmes

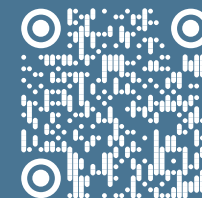
As the industry shifts towards sustainable solutions, hydrogen-powered aircraft offer unparalleled environmental benefits. Our aircraft and engine integrator knowledge and unrivalled engineering expertise are contributing to a cleaner, quieter, and more efficient hydrogen powered flight.

H2GEAR is a GKN Aerospace led UK collaboration programme, aiming to develop a liquid hydrogen propulsion system for sub-regional aircraft that could be scaled up to larger aircraft. Liquid hydrogen is being converted to electricity within a fuel cell system. This electricity efficiently powers the aircraft, eliminating CO2 emissions.

As part of the H2GEAR programme, which has recently been completed, the world's first hyper-conducting cryogenic electric motor has been successfully tested.

Building on a strong systems architecture formed in H2GEAR, H2FlyGHT led by GKN Aerospace in the UK, is developing critical elements of a multimegawatt cryogenic hydrogen-electric propulsion system.

GKN Aerospace is partnering with Airbus in the ICEFlight project to advance hydrogen-powered flight. By leveraging expertise in hydrogen systems and electrification, the project aims to develop and test cryogenic technologies for next-generation aircraft, enhancing performance and scalability.



Read more about
our commitment
to innovation here.

Global Technology Centres

Innovating the future of Aerospace

In our GTCs we are bringing the world's leading aerospace ecosystems together, creating innovation hubs where industry, academia, knowledge institutes and SMEs are collaborating on a sustainable future of flight. In the centres GKN Aerospace aims to develop crucial technologies for the next generation of aircraft and aero-engines. Testing and proving high value, high rate technology is essential to compete and win work on future platforms.



Bristol, UK

Research and development at the GTC in Bristol build on GKN Aerospace's leading positions in lightweight composites and additive manufacturing as well as integrating industry 4.0 processes.

With the £32m GTC in Bristol GKN Aerospace has been investing in the future, together with UK government and the Aerospace Technology Institute to strengthen our position as partner of choice for the next generation of aircraft.

The GTC is an innovative, collaborative environment where 300 engineers are combining the strong capabilities of GKN Aerospace with the wider UK and international aerospace ecosystem drawing on shared knowledge and ambition to advance aerospace understanding.



Trollhättan, Sweden

Laser welding and additive fabrication techniques, 'smart' aero-engine systems and electric and hydrogen propulsion research.

Accordingly, GKN Aerospace operates an inclusive environment which supports diversity, inclusion and belonging and provides all of our employees with the opportunity to develop skills and talents aligned with their own personal objectives while contributing to the future sustainability and success of the business.



Hoogeveen, the Netherlands

Thermoplastics & composites, out-of-autoclave processing, multi-functional demonstrator capability, cobots, advanced metal bonding.

The cutting-edge centre serves as a dynamic environment for research and accelerated development of the latest sustainable aerospace technologies.

The primary focus will be on advancing lightweight thermoplastic composites for the next generation of aircraft, while also spearheading an extensive R&D electrification programme.



Fort Worth, US

We are solidifying our leadership in additive technology with our new 100,000-square-foot facility, featuring GKN Aerospace's largest AM cell. This state-of-the-art hub focuses on laser metal deposition with wire (LMD-w) technology, producing large-scale titanium aerostructures. Key features include a 20KW laser, up to 10 axes of motion, a large inert environment, and a maximum substrate size of 5.6m x 2.5m, enabling two-sided or rotary deposition. These capabilities advance large-scale AM adoption in aerospace and defence, reducing lead times and enhancing supply chain resiliency. By leveraging advanced techniques and materials, we push the boundaries of design, production, and performance.

Collaboration is central to our operations. We engage with partners and stakeholders in the US aerospace ecosystem to foster synergies and accelerate the adoption of transformative AM technology, delivering solutions that enhance safety, efficiency, and sustainability in the aerospace sector.

Sustainability

We are putting sustainability at the heart of our business, both in the way we operate and the technology we develop. We know the biggest impact we can make is by developing solutions which reduce in-flight emissions, contributing towards the industry goal of net zero by 2050.

That is why GKN Aerospace is developing the technologies that will enhance existing aircraft, as well as innovating to support a new generation of aircraft producing no emissions at all.



GKN Aerospace's near-term and net-zero science-based targets, outlined in the company's Sustainability Strategy, have been validated by the Science Based Targets initiative (SBTi), the global body responsible for validating emissions reduction targets in line with the latest climate science.

By setting science-based targets, GKN Aerospace is dedicated to building a sustainable future of aviation. Our ambitious near- and long-term targets, now validated by SBTi, clearly demonstrate our commitment to achieving net-zero greenhouse gas (GHG) emissions across our entire business by 2050.

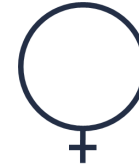
Sustainability targets



50% Reduction in Scope 1 and 2 GHG emissions intensity by 2030 ⁽²⁾



Achieve net zero emissions across the value chain by 2050



40% Female representation within senior management by 2030

75%



Of total R&D spend eligible to EU Taxonomy

to contribute to the decarbonisation of aerospace by

2030



20%



Diversion of solid non-hazardous waste from landfill by 2030



<3 / 1000

Total injury rate of 3 per 1000 FTE by 2030

£5million



Investment on skills development per year

⁽²⁾ The Group's chosen intensity ratio is energy consumption, emissions and water withdrawal reported above normalised megawatts usage (MWh), tonnes of CO₂e, or m³ per £1,000 of revenue. The data has been standardised from the source units in which it was initially collected. The revenue figures used to calculate the intensity ratio include continuing operations under operational control only. ⁽⁴⁾ Where renewable electricity is commercially and reasonably available in the relevant jurisdiction. ⁽⁵⁾ target baselined on FY2024

Our global footprint



Our Customers

Airbus
Archer Aviation
ArianeGroup
Boeing
CFM & Safran
Collins Aerospace
COMAC
Dassault Aviation
FMV

GA-ASI General
Atomics Aeronautical
Systems
GE Aerospace
Gulfstream
HondaJet
Honeywell
IHI
Joby Aviation
Lockheed Martin

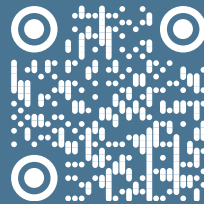
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