

ABOUT US

Chemring

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We work with our customers globally to help protect their people, assets and nations.



We are a specialist manufacturing and technology business creating market-leading innovative solutions to meet our customers' complex needs. Using our extensive science and engineering expertise, we turn ideas into reality, designing and developing critical solutions that protect and safeguard in unpredictable environments in today's increasingly unstable world.

We achieve this by innovating at every stage of the value chain, from research and development ("R&D") through to design, manufacture and in-service support, working closely with our customers to deliver products, services and solutions for mission-critical success.



Photo credit: United Launch Alliance

Our customer base spans national defence organisations, security and law enforcement agencies, as well as commercial markets such as space and transport. We support our customers in more than 50 countries across the globe.



OUR SECTORS



COUNTERMEASURES & ENERGETICS

Chemring is the world leader in air and naval platform protection from the growing threat of guided missiles, through the design, development and manufacture of advanced expendable countermeasures.



We develop new countermeasures to defeat evolving threats, through a deep understanding of platform signatures, missiles seekers and chemical formulations. Our niche, world-class energetics portfolio produces high-reliability, single-use devices that perform critical functions for the space, aerospace, defence and industrial markets.

We also manufacture specialist materials including propellant and energetic materials that are used in a wide variety of applications in the defence and civil markets. Every day, our energetic products, services and experts assist customers, including NASA and SpaceX, to achieve mission success. This ranges from cutting-edge technology to enable our customers to launch rockets and satellites into orbit, to the provision of aircraft safety systems including oxygen mask deployment on commercial aircraft and ejector seats for aircrew egress.

SENSORS & INFORMATION

Innovation is core to solving our clients' difficult problems. With over 1,000 scientists, engineers and consultants, our Sensors & Information sector continues to invest in technologies that safeguard and protect in an uncertain world.



Operating across defence, national security, law enforcement and industrial domains, we enable our clients to deliver competitive advantage, defend their people, assets and information, and defeat their adversaries. Our sensor technologies detect threats with a very high degree of confidence, be they explosive, biological, radio or cyber.

Our Roke business draws on a 70-year heritage of innovation in sensors, communications, active cyber defence, electronic warfare, software engineering, data science, artificial intelligence and open-source intelligence to innovate and apply these technologies in new ways. We operate across the whole life cycle providing advice, research and development, engineering, design and in-service support for our products and services.

OUR CAPABILITIES

Our diverse range of capabilities serving both sectors is what makes us so unique to our customers.





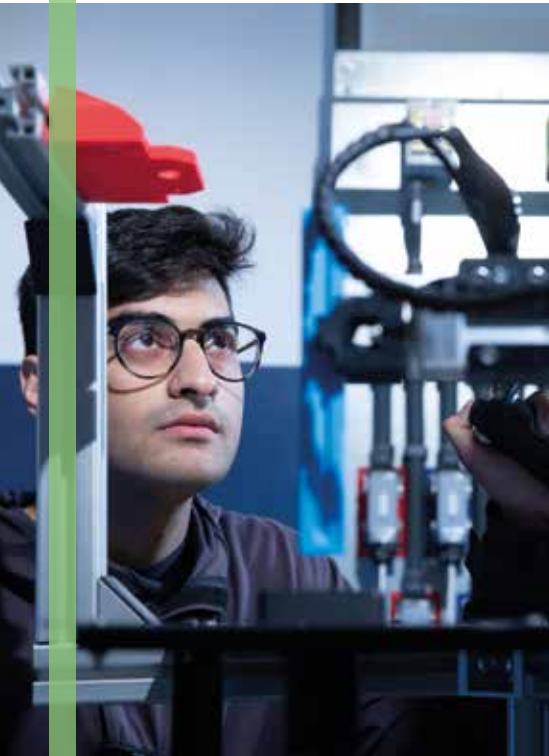
From cutting-edge research & development to in-depth industry knowledge, all managed by world-leading scientists, chemists, and engineers. Together, we solve some of the most complex problems that face the world today.

OUR CAPABILITIES ARE:

- AIR & NAVAL COUNTERMEASURES
- ENERGETIC MATERIALS & PRODUCTS
- PRECISION ENGINEERED DEVICES
- SENSORS
- ROKE

AIR & NAVAL COUNTERMEASURES

We have more than 50 years of experience at the forefront of Radio Frequency (RF) and Infrared (IR) expendable decoy research, design, and manufacturing.



Our comprehensive product range is based on proven threat-driven solutions to protect all types of air platforms. We have optimised our products to support the challenges of modern air missions and offer mission-specific capabilities.

ADVANCED IR COUNTERMEASURES

Our infrared decoys protect aircraft against the threat of heat-seeking missiles. These decoys are available in a wide variety of formats to suit almost all dispenser types and are in service with Armed Forces throughout the world.

ADVANCED RF COUNTERMEASURES

Our advanced RF countermeasure chaff cartridges are used as a defence against radar-guided weapons systems. Our products can be readily tailored to meet the latest RF threats.

ADVANCED NAVAL COUNTERMEASURES

Our Countermeasures UK business is the prime supplier of passive decoys to the Royal Navy. We provide a range of products and capabilities to NATO members and other major navies round the world. We are a world leader in the field of naval Anti-Ship Missile Defence (ASMD) using passive expendable decoys.

Our unrivalled expertise places us at the forefront of 130mm countermeasure development for both fixed and trainable launchers. Our product range covers the entire electromagnetic spectrum and provides radar-reflective and infrared decoys and payloads for many other countermeasure systems.

RESEARCH, DESIGN & DEVELOPMENT

Our Research and Development (R&D) department are constantly developing future countermeasures to find effective solutions to not only today's, but also tomorrow's, ever evolving threats facing the world's Armed Forces. The department has the complete capabilities that deliver the stringent Safe and Suitable for Service (S3) requirements for defence materiel. These capabilities include certification under the Military Aviation Authority (MAA), Design Approved Organisation Scheme (DAOS) and the United Kingdom Accreditation Service (UKAS) certification of a fully featured environmental test facility.



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ENERGETIC MATERIALS & PRODUCTS

Chemring is the world leading producer of specialised energetic materials for defence and commercial markets.

We produce a range of base products, including HMX, RDX, NTO, and Alkyl-NENAs. From these base products we produce a long range of energetic compositions. These energetic materials are applied in high technology markets, and the requirements on performance, safety and reliability of final products are extremely strict. Our Chemring Nobel business in Norway is the largest and most experienced supplier of HMX in Europe. It is also the world's leading NTO manufacturer.

Our products include Demolition Stores and High Explosives supplied to armed forces worldwide and we are proud to be the exclusive supplier to the UK MoD. The Military Devices range includes Actuators and Initiators used in a variety of missile systems and release mechanisms. Chemring Energetics UK also has a state of the art Extruded Double Base Propellants production facility providing products for use within ejector seat systems and rocket motors across the globe.



PRECISION ENGINEERED DEVICES

Our capabilities span multiple areas, including engineering design and analysis, energetics, electrical systems, manufacturing, testing and inspection, modelling and simulation.

Our niche, world-class energetics portfolio provides high reliability, single-use devices that perform critical functions for the aerospace, defence, space and missiles markets, including satellite deployment, aircrew egress and aircraft safety systems.



Photo credit: United Launch Alliance

We provide highly engineered, customised, and reliable products to meet the specific requirements and the high standards of our customers. In addition to providing customised solutions, we support many customers on build-to-print programs, third party testing, and problem-solving, including failure/ root-cause analysis.

SENSORS

Chemring is a leading provider of advanced biological detection and identification systems.

With a proven track record of developing next-generation sensor technologies for the U.S. military, Chemring collaborates closely with National Laboratories and federally funded research and development centres to accelerate innovation. These partnerships, combined with our engineering expertise, enable us to deliver mission-critical solutions for homeland security, law enforcement, and international customers.







PIONEERING TECHNOLOGY FOR GLOBAL SECURITY & FUTURE WARFARE

Roke stands at the forefront of defence and security, delivering cutting-edge intelligence and engineering solutions that protect nations, troops, borders, and businesses - strengthening security in the UK and with allies worldwide.



As a UK founded and owned company with nearly 70 years of heritage, we are a UK sovereign defence and national security leader-trusted to develop and sustain the critical technologies that safeguard the UK and our allies. Our expertise ensures key capabilities remain secure, strengthening resilience, strategic autonomy, and operational advantage.

We bring the customer intimacy, the precision of a specialist, and the agility to solve complex, high-stakes challenges with purpose and impact.

Roke is shaping the future of digital defence, intelligence, and national security - ensuring the UK remains at the cutting edge of technological superiority.

WE ARE ROKE. WE ARE CHANGING WORLDS.

ROKE CAPABILITIES

ADVANCED AI & ANALYTICS

Leverage AI and data science to enhance resilience, detect fraud, mitigate risk, and drive decisions.

AUTONOMY & ROBOTICS

Deploy autonomous systems for complex environments to boost operations and reduce risk to personnel.

CYBER & SECURE COMMUNICATIONS

Secure systems, communications, and infrastructure against evolving threats across all environments.

ELECTROMAGNETIC SPECTRUM

Achieve spectrum dominance with EW capabilities that sense, shape, and control contested domains.

INTELLIGENCE & INSIGHT

Gain actionable intelligence from fused open-source, geo, and commercial data for smarter high-risk decisions.

SPECIALISED SENSORS & EFFECTORS

Deploy custom detection and targeting within size limits to integrate platforms and speed response.



PROTECTING PEOPLE, ASSETS & NATIONS



PROVIDING MISSION-CRITICAL SOLUTIONS

Our people globally work on highly engineered mission-critical devices and solutions that have to work the first time, every time. Whether on the battlefield with our electronic warfare products or our space initiators launching specialist space missions, we are a trusted supplier with a heritage in niche market segments.

MAINTAINING HIGH-HAZARD ENGINEERING ENVIRONMENTS

Safety is at the heart of everything we do. Our licences to operate our high-hazard engineering facilities provide the basis on which we constantly innovate, develop and build core components and products to protect a sovereign nations' war fighters, sailors and soldiers.

These facilities are located worldwide in the UK, the US, Australia and Norway.

PARTNERING IN SOLE-SOURCE & LONG-TERM AGREEMENTS

We are a trusted partner with a unique diverse range of capabilities and facilities. We are often designed in and qualified on a particular platform, which means over 60% of our revenues are sole source.

As our customer programmes are ramping, they are looking to secure long-term agreements for supply, so that we can meet their future and growing demands.

INVESTING TO GROW

We have a long-term investment programme to increase our automation, enhance safety, and improve quality.

We have invested significantly across the Group, with our capacity expansion projects in Norway, Scotland and the US. These projects will increase production and provide new state-of-the-art facilities to ensure our people are as safe as possible.

We constantly strive for operational excellence and drive innovation for our customers to counter ongoing and ever changing threats.

COUNTRIES WE OPERATE IN





Photo credit:
United Launch Alliance



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