

ULTRA.

+ Innovating today for a safer tomorrow
Your career starts here



U|STEM

Science | Technology | Engineering | Mathematics

What is **STEM**?

Education is one of the most powerful drivers of progress. STEM stands for science, technology, engineering and mathematics and refers to any subjects that fall under these four disciplines. Creativity and problem solving are at its core. At Ultra, we believe everyone is entitled to quality education and a rewarding career. We partner with colleges, schools and STEM organisations to increase access to education and to support programmes that inspire passion for STEM careers.

Jobs related to STEM form the backbone of our organisation. They are also at the core of solving many of the societal challenges the world faces. Ultra's STEM framework, called USTEM, is designed to inspire young people to explore and ultimately realise the benefits of a STEM related career.



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Engineers will shape our future, solving the world's greatest challenges. Ultra has a critical role to play in growing diversity in STEM careers by increasing diversity of our workforce. We want to see more young people from under-represented groups consider a STEM career. Ultra's STEM outreach will use an inclusive approach to improve and promote access to careers information and guidance, striving to reach children who don't know about engineering.



How Ultra STEM can help you develop your career



Introducing USTEM

Innovating today for a safer tomorrow **starts here...**
Encouraging the future generation of scientists, technologists, engineers and mathematicians.

Engineers imagine, design, and create the future.

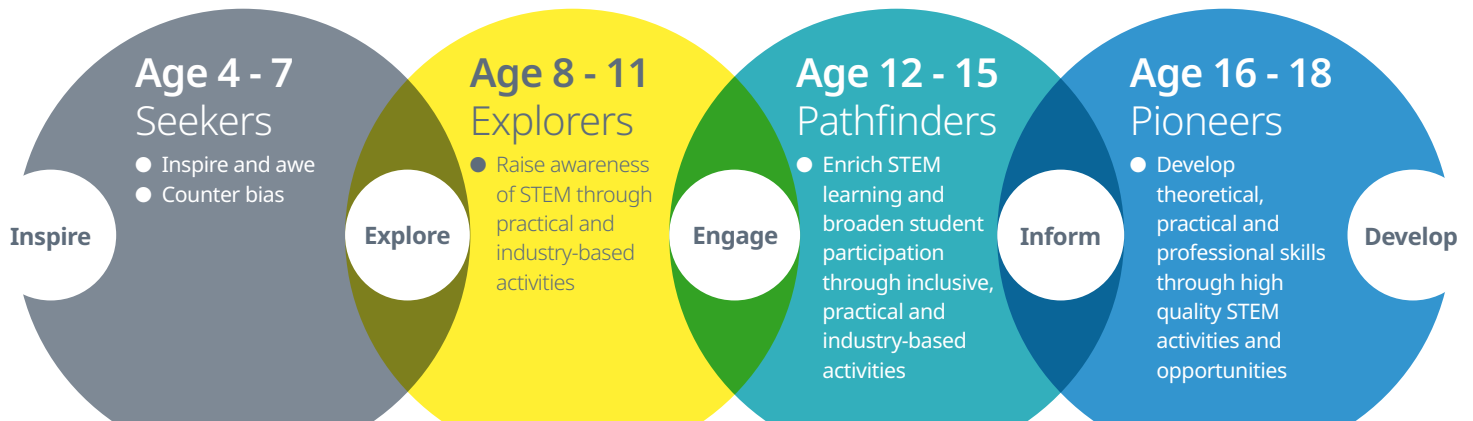
They can make a difference through improving lives, preventing disease, reducing poverty, protecting our planet and building a safer tomorrow.

Our goal at Ultra is to spark the imagination of young people, their parents and teachers through engineering.

Through our brilliant people, Ultra's mission is to inspire a new generation of technicians, engineers and scientists and to encourage:

- More young people to undertake UK apprenticeships, training and qualifications
- Positively impact the communities we operate in through delivery and support of STEM initiatives
- Become a valuable contributor and champion STEM education.

USTEM provides a framework that shares our expertise, passion, insight and opportunities. Through partnerships and collaborations, we will inspire and inform more young people from all backgrounds to choose a career in engineering.



All ages

- Raising awareness and delivering inspiring activities with young people in mind
- Equality, diversity, and inclusion, reaching all young people with STEM inspiration

Ages 8 - 18

- Inspiring role models; sharing backgrounds and career histories
- Highlighting the skills that engineers use
- Exploring different STEM industries

Ages 12 - 18

- Careers engagement, linking subjects, activities and promoting the wide range of roles on offer within the STEM arena
- Motivating factors for career decision-making
- Careers event support and mock interviews
- Raising awareness of routes into STEM roles
- Industry based experience, site tours, work experience and placements

Ultra's STEM framework

- Different age groups with defined outcomes and aligned activities
- The learning journey, driven by inspirational activities that have clear purpose, are audience appropriate and are relatable to create a rich and varied STEM journey
- Inspiring connection
- Driving inclusion
- Showcasing engineering
- Improving impact
- Partnerships with leading STEM organisations

Ages 16 - 18

- Employment opportunities
- UK Apprenticeships
- Scholarships
- Further Education signposting
- Networking opportunities
- Mentoring

What **USTEM** can do for you and your community

The more STEM-related influences and experiences a young person can gather, the more likely they are to feel comfortable with science and engineering and see them as useful and important, for themselves and society.

Our ambition is to inform and inspire young people and families, encouraging growth of future generations into STEM careers. The **USTEM** framework will challenge stereotypes of who an engineer is, celebrating and driving greater representation in the engineering workforce. We support colleges, schools, and partner with STEM organisations to achieve this collective aim, striving to ensure that no-one is left behind.

Ultra's **USTEM** Ambassadors are trained so they are confident and able to engage young people with modern engineering. They take part in established and rewarding volunteer programmes, teaching training and presentation skills.

They make a powerful impact on the lives of young people by:

Supporting learning – demonstrating how the subject knowledge, skills and behaviours they learn in the classroom are important for the workplace.

Illuminating careers – sharing their journey and experience to promote our sector, raising our profile in the community, and supporting our recruitment efforts.

Raising aspirations – showing young people future opportunities available to them, and empowering them to achieve their potential regardless of their background through inspiring and diverse role models.

Our framework contributes toward a sustained STEM journey for young people by:

- Careers fairs and signposting the breadth of opportunities
- Technical advice or practical support to STEM projects in the classroom
- Supporting projects in after-school STEM clubs
- Judging school STEM competitions
- Speed networking with pupils, parents and teachers
- Devising and delivering practical STEM activities, experiments and demonstrations
- Helping students with mock interviews.

Working at Ultra

To create an inspiring, inclusive and dynamic work environment that attracts, develops and retains the best diverse talent.



I joined Ultra's two-year graduate scheme in 2019 after completing my Integrated Master's degree in Mechanical Engineering and quickly found myself getting stuck into real and meaningful projects.

The most satisfying part is understanding and solving technical challenges. Problem solving is a key skill – it's something you'll come across in STEM and will definitely enrich you personally and professionally.

Sarah, In-Service Support Engineer



In STEM related work, hard work and determination go a long way, and the feeling of success at the end of the day is very rewarding as you feel valued by the company.

Henry, Apprentice



The creativity and collaboration of the engineering design process is so rewarding, and an apprenticeship enables you to learn key practical engineering and business skills alongside formal education. In addition I'd encourage people to consider a career in the defence industry as everything is designed sustainably, with repair and upgrade in mind – the equipment I design today is intended to still be in service in 20 to 30 years' time.

Grace, Senior Mechanical Design Engineer



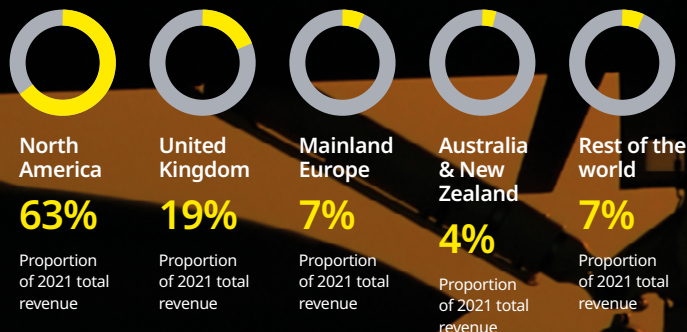
The smart people behind the smart people

About Ultra

Ultra provides application-engineered solutions in the key elements of mission critical and intelligent systems. Through innovative problem solving, using sustainable capabilities, and evolving technologies, we deliver outstanding solutions to our customers' most complex problems in defence, security, critical detection and control environments. We support a wide range of technologies on many of the world's long-term military programmes.

Our global reach: where we operate

Our core markets are the 'five-eyes' nations: USA, Canada, UK, Australia and New Zealand. This gives us access to the largest addressable defence budgets in the world.



Our top customers

We partner with the US Defence Department (DoD), the UK Ministry of Defence (MoD) and other aerospace, defence and critical infrastructure providers both directly and through prime contractors.

US DoD

UK MoD

Lockheed Martin

BAE Systems

Northrop Grumman

Pratt & Whitney

Boeing

Australian DoD

US Bureau of Alcohol, Tobacco, Firearms and Explosives

General Dynamics

Our values:

We are investigators, problem solvers, brilliant thinkers, relentless explorers. Our values define the business we aspire to be and how we feel when we're at our best. They're a guide for what we do and say - and the decisions we make every day.



Agile

We embrace change – adapting to the conditions and making decisions at the right level.



Sharing

We win as a team – sharing ideas and resources to achieve great things.



Performing

We are relentless about quality – we're never satisfied until we've done what we said we'd do.



Innovating

We're open and questioning – and we challenge each other to think in new ways.



Rewarding

We love to celebrate success – seeking out and rewarding positive contributions at every level.



Empowering

We trust and empower each other – acting safely, ethically and with integrity.

Ultra:

innovating today for a safer tomorrow

Cognitive and integrated technologies,
built to deliver decision advantage

From data to decisions

The battlefield has changed. Threats are growing in size, sophistication and activity.

To respond, our customers need solutions that are more connected, more agile and more intelligent - giving them the ability to make effective decisions on time, every time.

We are developing next generation technologies that will fuse and enhance data across every domain. They will be:

Cognitive

Autonomously closing the gap between data and decisions

Integrated

Interoperable systems – modular and connected by design

Disciplined and ambitious Research & Development investment

£900m

invested in Research & Development

+10%

increase in internal R&D investment in 2021

300+

defence platforms use Ultra technologies

265

software engineers

1,800

employees in the UK

11

UK apprentices recruited 2021/2022

2,400

employees in the USA

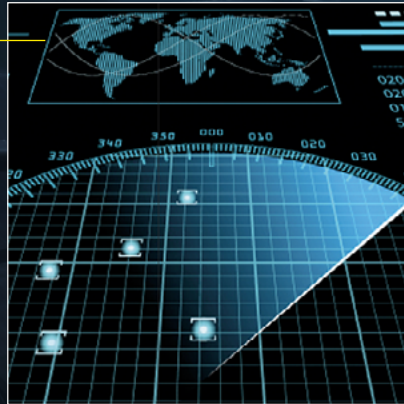
100

employees in Australia

Ultra's Research & Development Focus Group

Cognitive Integrated Tasking

Effective decision making that is measured in seconds, not hours.



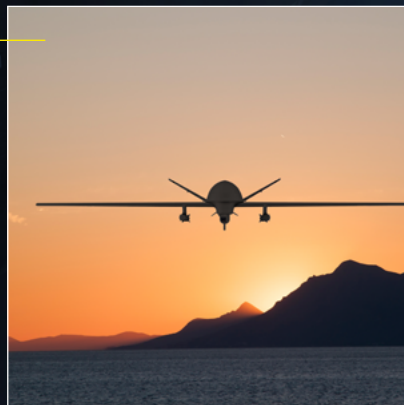
Cognitive Integrated Communications

Deliver information on what users need, when they need it, in any environment.



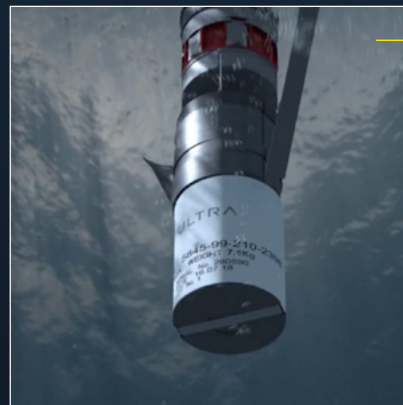
Cognitive Integrated Intelligence

Help identify the next threat, no matter how quickly it appears.



Cognitive Integrated Detection

Intelligent matrix of sensors to make the oceans more clear than ever.



ULTRA.

+ Contact us

<https://www.ultra.group/gb/careers>



Photo reference: This Is Engineering



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