

# Services for the defence industry



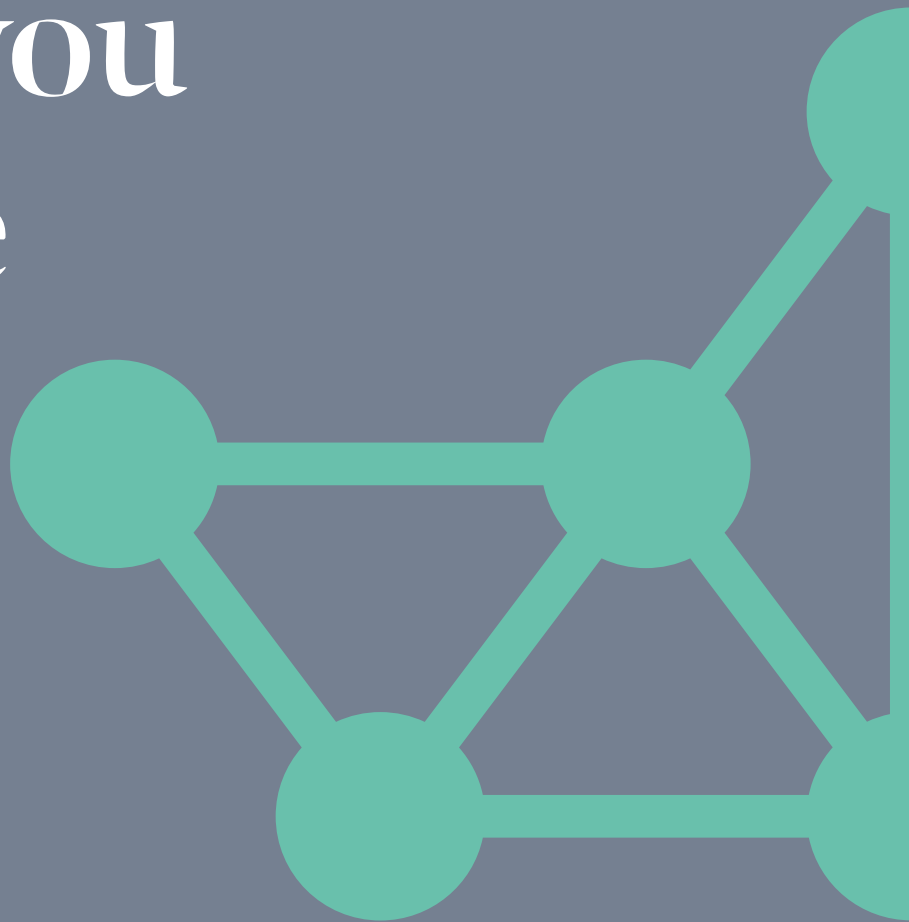
Enabling your data  
to inform faster,  
work harder,  
stay safer.

Giving you  
the edge

To find out more about  
any of our services,  
contact our Sales team:

e. [contact@mass.co.uk](mailto:contact@mass.co.uk)

t. +44 (0)1480 222600



# Your trusted defence partner

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At MASS we develop technology, services and training that leverage the power of your data, while keeping your platforms and systems secure.

MASS is an independent, global technology company, trusted by highly-secure organisations to provide advanced, digital services that manage data and keep information safe.

With our heritage in defence, we offer robust solutions to sectors where security expertise is essential.

We work in partnership with customers, using skilled, technical experts.

We think innovatively to provide tailored, agile and resilient solutions that secure advantage, so you're ready for digital transformation.

Many of our employees have a defence background bringing specific skills and expertise with them, and we're a proud holder of a Defence Employer Recognition Scheme Silver Award and a signatory of the Armed Forces Covenant.



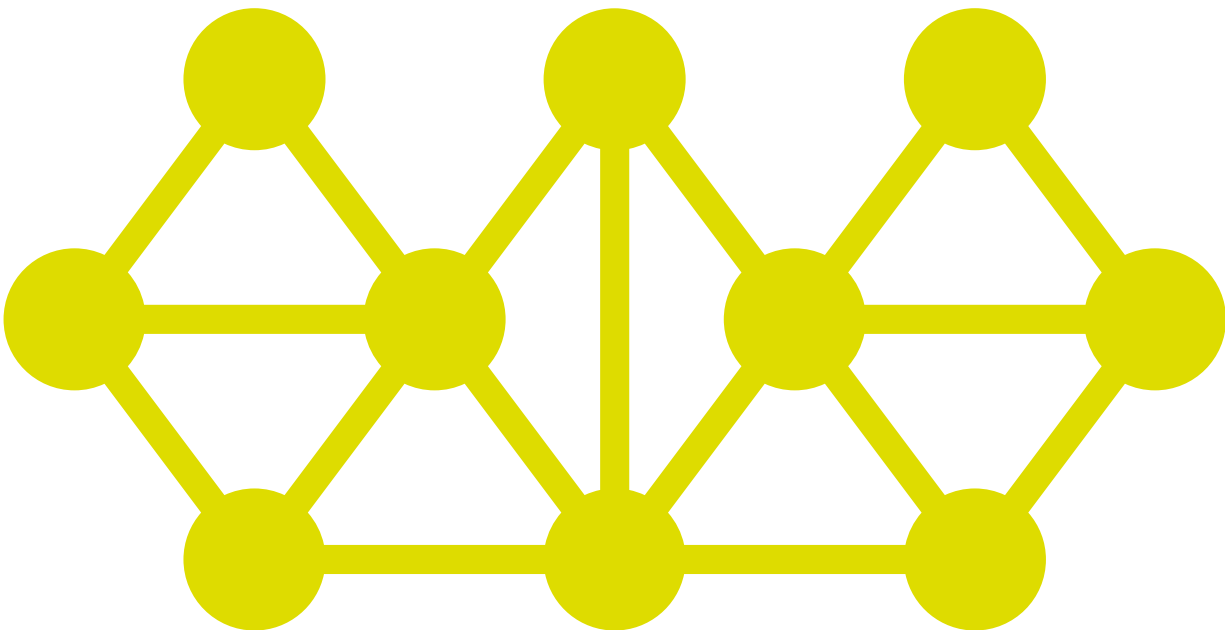
# CEMA and EW Operational Support

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Enhance your operational effectiveness across all domains with our trusted CEMA and EW Operational Support tools, services and training.

Our CEMA and EW services cover the full intelligence lifecycle: signal collection, analysis and planning, data management, mission data production, countermeasures development and threat vulnerability assessments.

Our specialist engineers, scientists and ex-military personnel combine their experiences, including lessons learned in recent conflicts, to help you achieve the true operational potential of your CEMA or EW capability. And our independence from CEMA and EW equipment means you'll get impartial, expert advice and support.



## CEMA and EW training

As leaders in CEMA and EW training we offer a broad prospectus, from foundation training to expert-level qualifications. We blend theoretical and practical learning, using a mix of sophisticated modelling and simulation tools in operationally-focused scenarios.

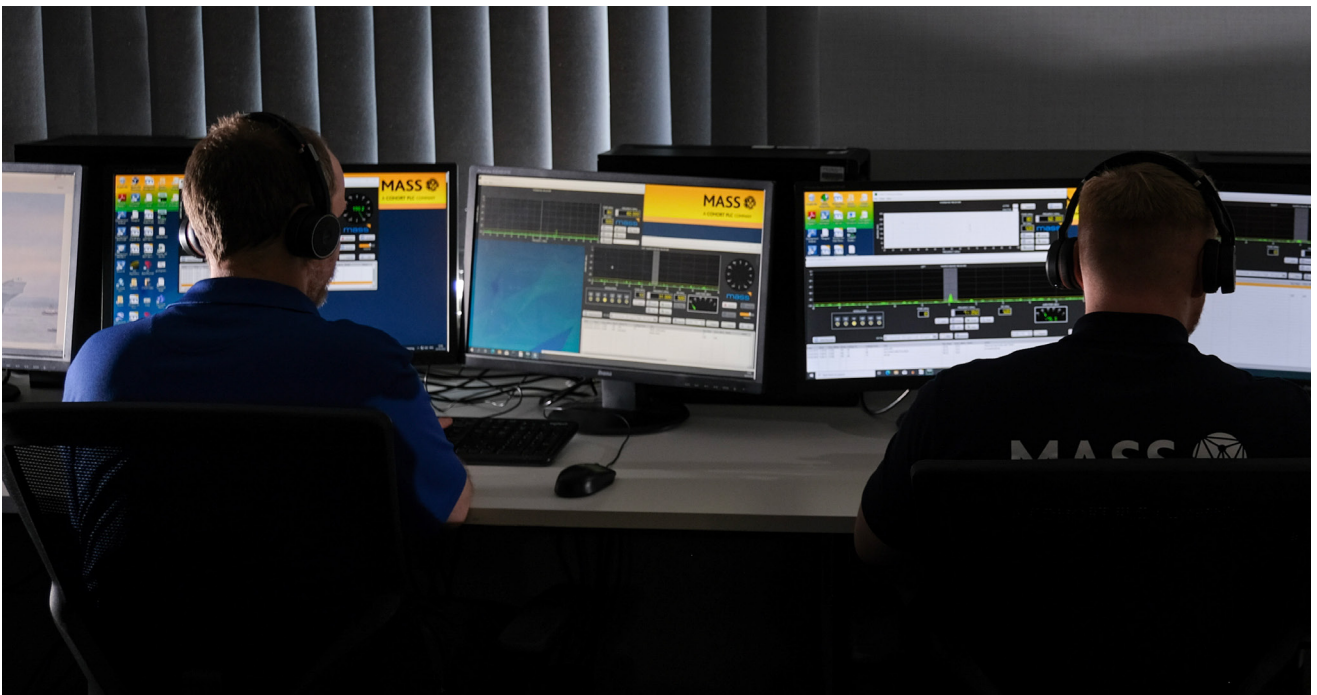
We tailor our approach to your needs and can provide a full range of learning experiences:

- Face to face training at our state-of-the-art training academy in Lincoln, UK.
- Bespoke training at your site or another location.
- Online via our virtual learning environment (electronic warfare foundation course only).

Expert trainers  
with operational  
experience

Tailored  
training that  
meets your  
requirements

Sophisticated  
modelling and  
simulation  
tools



To find out more about our unique **tools, software and training** contact our Sales team at [contact@mass.co.uk](mailto:contact@mass.co.uk).

# MASS specialist software toolsets

Our advanced software toolsets are used by the UK and nations around the world to achieve information dominance and operational advantage. Built by our in-house experts, they can be tailored to your needs and can be fully supported.

## DATA MANAGEMENT

THURBON and THURBON CEMA provide essential operational support and enhanced situational awareness, supporting a common approach across different environments. Through THURBON and THURBON CEMA you have the capability to manage, process and store complex CEMA or EW data in a single hub, supporting your intercept analysis, EOB production and mission preparation.



## MISSION PLANNING

BATTLEYE can accurately access and test communication between assets anywhere in the world. Providing enhanced situational awareness and planning capability, BATTLEYE provides unique insight and understanding into the communications environment.



## EW TRAINING

NEWTS creates a realistic simulated environment enabling air, land and maritime electromagnetic environment personnel to be better prepared for deployed operations.

The MASS Training team provides skills-based EW training courses that improve the effectiveness of your personnel. Delivered by highly experienced trainers, the team can provide off the shelf or bespoke courses.



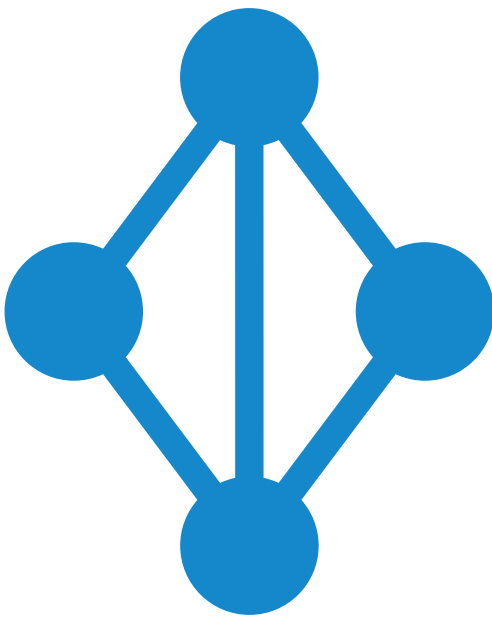
## COUNTERMEASURES DEVELOPMENT

CounterWorX is a toolset that simplifies countermeasure development. The threat system analysis, modelling and simulation included provide unprecedented technical capability for countermeasure development and engagement simulation.



# Training and exercise support

Our bespoke end-to-end training service is independent, confidential and focused on the outcomes you want.



Contact our Sales team at

[contact@mass.co.uk](mailto:contact@mass.co.uk)

to find out how we can support your training needs.

Our teams work alongside the UK MOD, NATO, overseas military clients and industry in developing, preparing and delivering tailored training solutions.

With our proven track record in providing training support we can:

- Design and deliver a bespoke training package to meet your needs.
- Deliver on-site training and mentoring direct to your staff or to your in-house instructors following initial training delivery.
- Maintain and update the training material following the initial course delivery.



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## Capability development and contingency rehearsal collective training exercises

We're trusted by both military and civilian organisations to deliver support to collective training exercises, particularly at higher levels of command. The exercises are tailored to achieve the customer's specific training requirements across the full spectrum of activity, from capability development, validation and assurance through to mission and contingency rehearsal.

Our range of services include design, planning, preparation, organisation and delivery of highly effective training events plus an assessment of key lessons learnt.



### TECHNICAL SUPPORT

We offer state-of-the-art technical support, including advanced exercise planning and management tool and simulation system, as well as the use of subject matter experts and role players.

### WORKING TOGETHER

We engage closely with you throughout the exercise planning and delivery phases, which enables us to understand your background and requirements and ensure that, by working together, the exercise is designed and executed to optimise its effectiveness for your organisation.

### TRAINING EVENTS

We design and deliver training events to optimise the performance of organisations ranging in size from 15 to 500+, enabling them to improve data management, information sharing, team work, decision-making and task execution.



# Strategic decision-making exercises

For over 10 years we have designed and facilitated strategic games and exercises for personnel stepping into senior decision-making roles in high-profile organisations. Our academic staff and highly experienced operators are experts in the design, preparation and delivery of strategic-level training events.

## STRATEGIC-LEVEL TRAINING

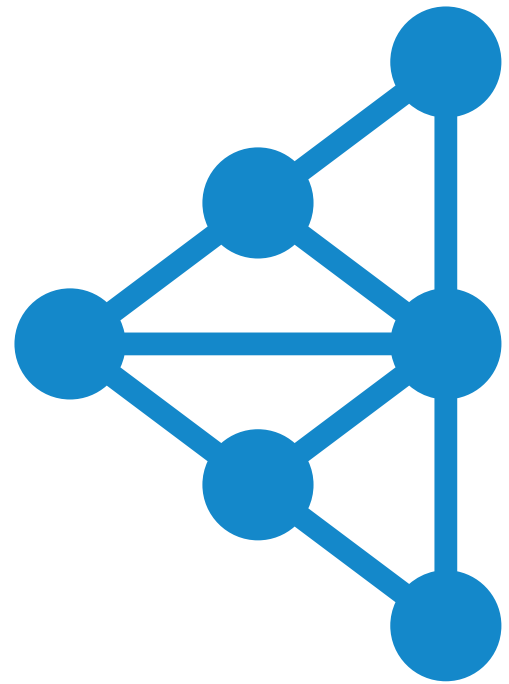
We offer high-quality, bespoke training courses that can cover:

- strategic awareness
- strategic crisis management
- strategic crisis media response
- strategic and policy-level decision-making exercises and games.

## STRATEGIC-LEVEL ANALYSIS

Our team of experts also undertake wider strategic-level analysis and research and can provide a range of tailored support services including:

- specialist briefings
- support to seminars
- workshops and analytical projects
- research and analysis of strategic issues.



## EXPERT TEAM

Our internal expertise is reinforced by a team of several hundred associates and subject matter experts able to meet a wide range of customer requirements.

We leverage the knowledge and experience of former diplomats, MOD senior specialists, UN, NATO and EU aides and officials, academics, international associates and financial analysts.





## Strategic analysis and education

Most organisations need to anticipate and react to changing environments. To do this effectively, your staff must understand the broader, strategic view and how they make the right decisions within it.

We provide analysis of the future global environment and global strategy trends tailored precisely to our customers' demands and vision. Our approach is unique and reflects a culture of continued improvement. We provide a snapshot of the current and emerging global strategic environment and explore areas that are specific to our customers.

We examine the over-arching factors that have enduring effects including global governance, economics, conflict and security, culture and society, natural resources, technology and innovation.

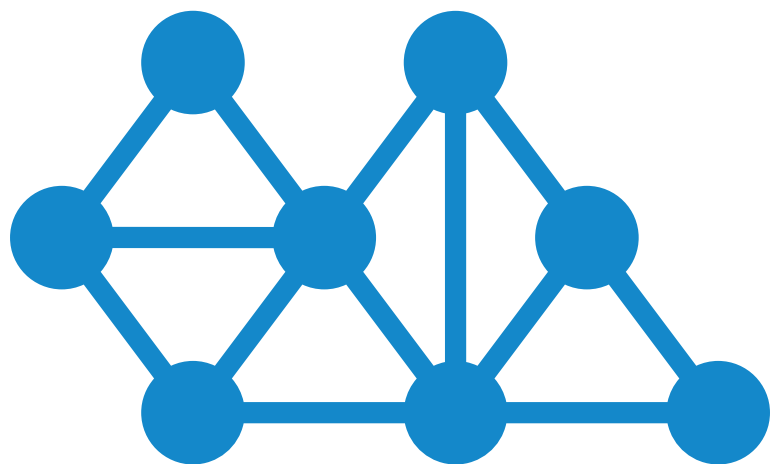
## Lessons Learned Support Service

When running a large-scale operation, capturing and analysing lessons is essential to improve future performance. But without the right team, tools and processes in place, you're unlikely to be getting what you need.

Our experienced Lessons Learned Support team works alongside your team to capture and analyse lessons in real-time, allowing you to focus where it's needed most.

We offer a unique, fully scalable and tailored lessons package based on your needs, which provides:

- A capability to guarantee that lessons are not just identified but are acted upon, ensuring future improvement and enabling enhanced effectiveness with a positive impact on costs and resources.
- An ability, through enhanced Information/Knowledge Management, to collect, capture, manage, and facilitate the resolution of relevant observations and lessons identified to highlight 'best practice' and to resolve process issues to prevent future recurrence.
- Accountability and reputational risk mitigation.
- Development of agreed metrics to monitor performance.



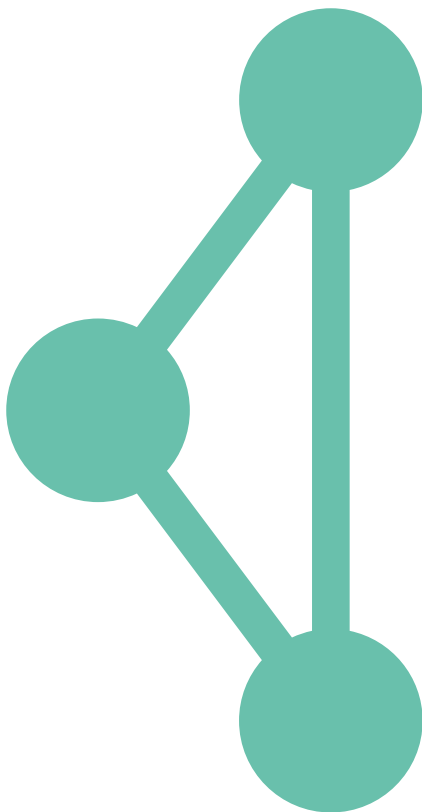
# Digital services for secure environments

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As experts in secure technology, governments and defence organisations rely on us to provide digital services for critical programmes.

With decades of experience in highly secure environments, we design, build and implement digital services and training that meets the most complex of needs, no matter the industry or sector. As an independent company, you can trust we'll only ever give you impartial support.

Our digital services are centred on four main areas – cyber security, data, software development and ICT service management – and we also design and build bespoke solutions.



If you're looking for **digital services** or **training** you can trust, contact our Sales team on [contact@mass.co.uk](mailto:contact@mass.co.uk).

## Cyber security

As breaches and attacks become more widespread, cyber security is a priority. With years of experience in some of the most secure organisations in the world, our experts develop solutions and deliver services that future-proof your company against cyber threats.

We'll look at your organisation from every angle; from technical requirements to security policies and procedures to your people.

We provide:

- digital managed services,
- threat assessment
- penetration testing
- Cyber Essentials and Cyber Essentials Plus certification
- security design
- cyber security training.



To find out how our **cyber services** can protect your organisation, contact our Sales team on [contact@mass.co.uk](mailto:contact@mass.co.uk)

## Software development

We design software that's secure, user-centred and fulfils your needs. Our Software Development team has a diverse range of specialists; from Technical Architecture and User Experience to Software Testing and Programming, ensuring you get the right skills at the right level every time. All of the team have experience working with waterfall, incremental, agile, and prototyping approaches.

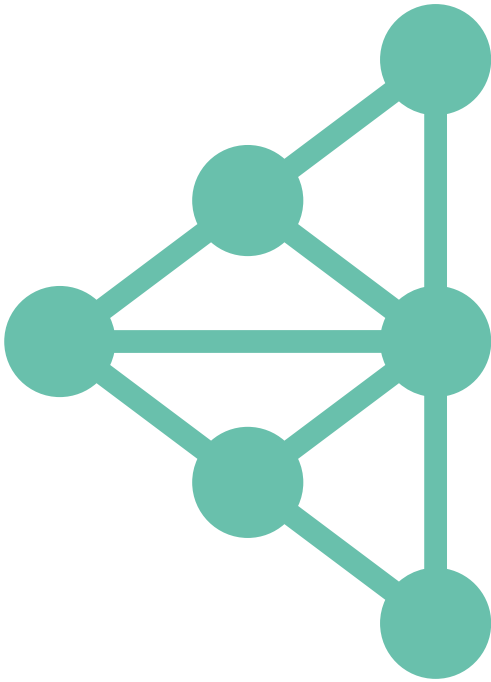


The breadth of technologies covered by our Software Development team means we can support customers with modern and emerging technology stacks as well as with a range of legacy technology.

Our developers are surrounded by subject matter experts in Electronic Warfare, Radar, EOIR, Weapon Systems and cyber security which means they have a depth of experience working with complex mathematics and physics in modelling and simulation software.

The team's ethos for continual improvement is guided by User Experience and DevOps principles and, as such, our teams drive towards positive user outcomes whilst seeking to automate for robust and predictable delivery.





## ICT service management

We design, build and manage high-performing, smart ICT services for highly secure organisations. Our team of experts tailor their service to your needs, from a simple security audit of your systems to full life-cycle management and we're just as happy integrating into your existing teams as we are managing the service for you.

Our ICT network solutions provide peace of mind and offer a cost-effective, smarter way of managing your systems. Delivering robust technical solutions to challenging and complex projects, our ICT research ensures that you receive the most resilient solution.



For more information on our expert ICT services and software development, contact our Sales team on [contact@mass.co.uk](mailto:contact@mass.co.uk)

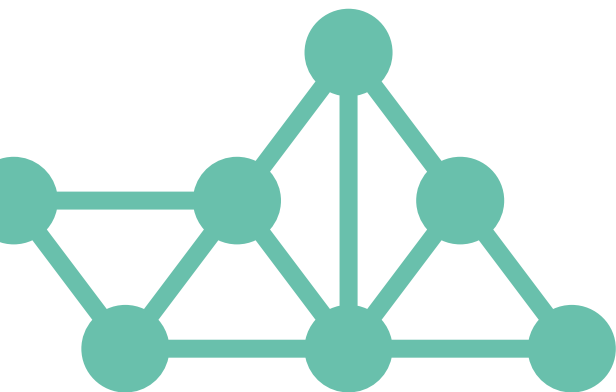
## Data services

We enhance your operational performance through data insight and business change. Our team of business and data analysts establish what's important to you and how to maximise your potential, aligning the outcomes to your strategy by leveraging the latest technology, cloud solutions and data science tools.



Change can generate significant savings in terms of cost, risk reduction and compliance issues. Our cognitive data-centric approach guides you through the challenge of enhancing your workflow and integrating intelligent key performance indicators.

We identify requirements, draw valuable insight from information sources across your organisation and develop an effective data analytics strategy to match your workflows demands.



### PREDICTIVE ANALYTICS

Understand future outcomes and grow your organisation with our predictive approach. Machine learning, data modelling and predictive analytics can magnify your organisation's future potential at every step of the journey.

### PRESCRIPTIVE ANALYTICS

We provide specific actions and recommendations. Our prescriptive approach combines your organisational knowledge with our analytical capabilities to deliver the insight to drive your organisation into the future.

### DESCRIPTIVE ANALYTICS

Delivering maximum value from current assets, collaborating with you to create models, gain knowledge and explore analytics that reflect your organisation.

We specialise in, but are not limited to, Microsoft Azure cloud services. Equally we work with hybrid or existing solutions, understanding the security and compliance needs of your market.



For more information on our expert **data services** contact our Sales team on [contact@mass.co.uk](mailto:contact@mass.co.uk)



## Trusted to deliver

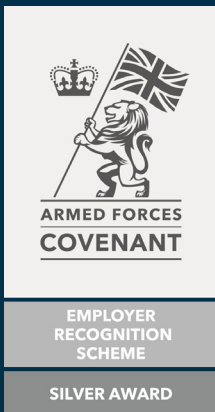
MASS is trusted by the UK and nations around the world to deliver tools, services and training that give you the edge.

## Tailored solutions

We take a partnership approach and our solutions are always tailored to your needs.

## Highly skilled experts

Our people are experts at what they do. Highly technical, endlessly curious and always approachable.



To find out more about  
any of our services,  
contact our Sales team:

**e.** [contact@mass.co.uk](mailto:contact@mass.co.uk)

**t.** +44 (0)1480 222600



A COHORT PLC COMPANY

**Head office:**

Enterprise House | Great North Road  
Little Paxton | St Neots  
Cambridgeshire  
PE19 6BN

**t:** +44 (0)1480 222600

**e:** [contact@mass.co.uk](mailto:contact@mass.co.uk)

**[www.mass.co.uk](http://www.mass.co.uk)**

**Lincoln office:**

New Horizons | Teal Park Road  
Teal Park | Lincoln  
Lincolnshire  
LN6 3AD

**t:** +44 (0)1522 502050