TECHNOLOGY IS GREAT
BRITAIN & NORTHERN IRELAND

Your cyber security – in safe hands

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UK Trade & Investment

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UK Trade & Investment is the Government Department that helps UK based companies succeed in the global economy. We also help overseas companies bring their high quality investment to the UK s dynamic economy, acknowledged as Europe s best place from which to succeed in global business.

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Overview

In today's increasingly connected world, managing your cyber risk is crucial to your success.

The UK has an impressive reputation for providing trusted cyber security solutions to organisations around the world. You will find over 1,000 cyber security companies across the country offering the very latest advice, products and services.

Indeed, the country s cyber security export industry is growing at a rapid pace. In 2014,

UK exports in cyber security grew 15% to just under £1.5 billion. That s nearly three times faster than the global export market.

You need to be confident that the cyber security team you choose to work with can offer world class expertise, knowledge and experience. They need to be able to accurately assess your risks, and develop suitable plans to address them.

Quality, expertise and trust are key to this partnership, as is the commitment to work with you for the long term.

The world leading technology and services offered by the UK cyber security industry set the standard by which others follow.

View the directory of UK cyber security companies

www.cgp.uk.net/#/directory

Expertise across the board

The UK: A World Leader	4 & 5

The UK offers world-class products, internationally renowned expertise and a partnership you can trust in cyber security.

Cyber Strategy Consultancy	6

Create a world-class cyber security strategy to protect your organisation.

Training and Education Solutions	7

The UK offers unrivalled training and education to build long-term cyber security capability.

Secure Network Infrastructure	8

UK specialists can ensure that communications within and between organisations are safe and secure.

Data Analytics	9

Innovative UK cyber security companies help you detect potential cyber security threats in real time.

Cyber Incident Response and Recovery	10

Trust UK companies to provide certified response teams in the event of a cyber incident.

The UK – a World Leader in Cyber Security Excellence

You'll find more than 1,000 cyber security organisations in the UK employing over 100,000 specialists.

If you're looking for a partner in cyber security who will offer you world-class products, internationally-renowned expertise and complete trust, the UK is the ideal choice.

CESG

Expertise

From Charles Babbage, the inventor of the programmable computer to Sir Timothy Berners-Lee, the inventor of the world wide web, the UK has a strong heritage in cyber technologies. The UK's modern expertise was showcased during the 2012 London Olympics, where the network successfully withstood a peak of 11,000 attacks per second.

The UK leads the way in global research into technologies to address the cyber security challenges of tomorrow with the thirteen UK Universities certified as Academic of Excellence in Cyber Security Research.

Trust

The UK is committed to helping organisations around the globe not only solve cyber security issues, but build the skills they need to keep their organisation safe in the future. Since 2012 the UK government's National Cyber Security Programme has funded over 80 capacity-building projects worldwide.

When you partner with a UK company, you can be confident that they'll help you solve your current problem, and work with you to develop effective long-term cyber capabilities too.

Quality

The UK government has set up several assurance schemes to provide you with confidence in the quality of the advice and services offered by UK cyber security organisations.

These are managed by CESG, the Information Security Arm of GCHQ. They cover diverse cyber security products and services from consultancies and training providers, to incident response teams and specific products. All UK cyber security businesses certified by CESG have been rigorously assessed and independently evaluated by the UK government.

At each stage of the cyber security lifecycle there are several different capability areas which your organisation may want to include in its cyber security strategy.

For effective cyber security an organisation must first identify and understand the risks to their information assets, systems and capabilities. The next stage is to implement the appropriate activities to protect those assets and put in measures to detect a potential breach. In the event of a cyber security incident you must respond quickly, and recover any affected capabilities.

Identify
1. Asset management
2. Strategy Development
3. Governance
4. Risk management

Protect
5. Access control
6. Training
7. Secure Network Infrastructure
8. Threat Intelligence

Detect
**9.** Event detection
10. Data analysis

Respond
11. Response planning
12. Incident analysis
13. Mitigation

Recover
14. Recovery planning
15. Business continuity/ Disaster recovery
16. Communications and media

The UK offers world-leading managed services, training and advice at every stage of the cyber security life cycle

IDENTIFY
PROTECT
DETECT
RESPOND
RECOVER
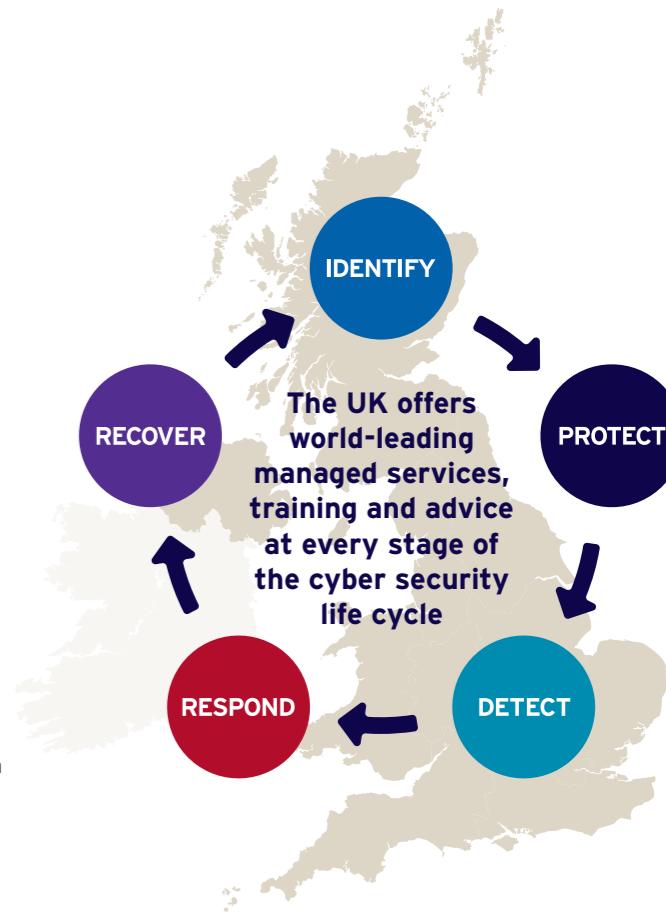
Cyber Strategy Consultancy

If your organisation needs to protect sensitive information assets, it's crucial that you put a powerful, long-term cyber security strategy in place – one that covers all staff and all departments.

The UK is home to a wide range of globally renowned cyber security consultancies. All offer extensive experience in designing and implementing cyber security strategies for public and private organisations around the world.

Working in partnership with a UK consultancy, you can create a unique cyber security solution to protect your organisation from sophisticated cyber attacks, both now and in the future.

Case study

Designing and implementing a strategy in South East Asia

UK-based global defence and security firm BAE Systems worked with a South East Asian Defence Ministry, advising them how to build a world-class cyber defence capability.

The company identified the main risks facing the Ministry, then designed a strategy for effective, long-term defence.

As a result of this initial advice, BAE were commissioned to develop an Advanced Security Operations Centre (ASOC) together with the client, as a central part of delivering their national cyber defence.

Training and Education Solutions

To ensure a sustainable and long-term cyber security culture within your organisation, your staff need to be trained to understand the risks of an information breach and how they could cause one without being aware of it.

UK companies can provide training to security and IT professionals, as well as to all other staff to help develop the right organisational culture.

The UK is also renowned for the quality of its higher education in cyber security with 12 universities offering certified Masters Programmes in the subject. These include Oxford University and Royal Holloway, part of the University of London. UK companies are world leaders in designing and implementing Certified Cyber Security Training schemes.

Case study

Building cyber security capability in the Middle East

Protection Group International's (PGI) Cyber Academy is a world class, UK-based training facility specialising in cyber security.

A client in the Middle East needed to build a cyber security strategy across a number of organisations that together formed part of the critical national infrastructure.

PGI worked on the ground with the client to develop and deliver bespoke cyber security training courses to security department staff in several organisations. With training now completed, the client is confident that in the event of an attack on the country's systems, staff are better prepared to defend their organisation.

Secure Network Infrastructure

In today's highly mobile business world, the chances are that your workforce will need to access your organisation's system from external locations and across different devices. You may have customers and suppliers who need access too, so it's essential that communications throughout your network are secure.

The UK has market-leading specialists in designing networks, as well as the technologies that enable the safe and secure exchange of data. The solutions they can provide include encrypted communications, secure collaboration and infrastructure, or anti-malware solutions.
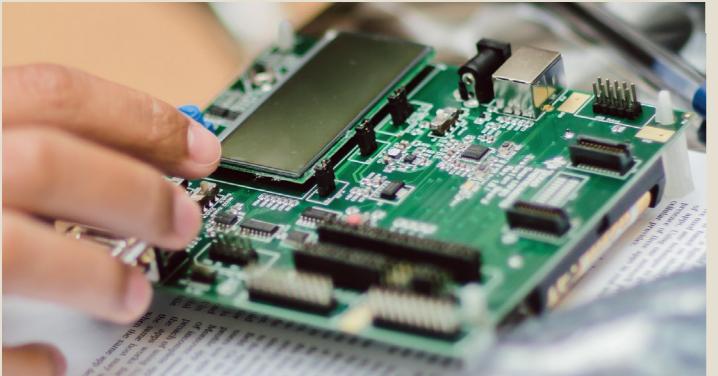
Case study
Helping NATO share information securely

NATO worked with UK-based Nexor, specialists in developing secure information exchange solutions. Nexor built a system that allows information to be shared securely between different classified networks. The system was based on best practice design developed by CESG, the UK National Technical Authority.

The result has been more effective decision making amongst partner nations, and a higher level of productivity. This has allowed NATO to focus on achieving its main objectives.

Data Analytics

For your organisation to run smoothly and at maximum productivity, you need to be able to identify and respond immediately to potential cyber security threats to your network.

This involves monitoring and making sense of a large amount of data from a wide variety of sources.

UK companies are world leaders in data analytics. They can offer you innovative tools, including event and log management, anomaly detection and data visualisation. These tools will help you identify trends and threats and enable you to act quickly to protect your organisation from a potential cyber attack.
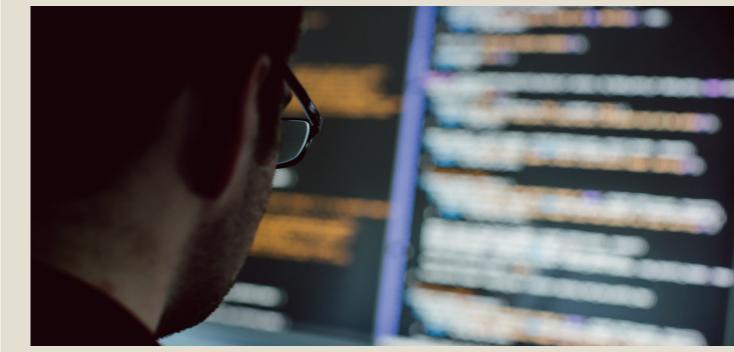
Case study
Identifying cyber security threats in Japan

Assuria Ltd, a UK-based cyber security software company provides the core technology which powers the Security Operations Centre (SOC) of a major Japanese-managed security service provider. This SOC delivers cyber security monitoring services to more than 850 commercial and government organisations across Japan.

Assuria's Security Information and Event Management (SIEM) software collects and processes more than 800 million logs per day. These provide cyber security intelligence to the customer and its security analysts.

The SIEM software provides far greater data integrity, flexibility and capacity than before and is now used in all services offered by the client.

Cyber Incident Response and Recovery

If your organisation suffers a data breach, you need to be able to establish its impact, determine how it occurred and understand how best to minimise any potential damage. A quick and effective response will ensure your customers enjoy an uninterrupted service and your organisation avoids lengthy and costly disruptions.

UK companies can help investigate data loss incidents. This can be done remotely or by sending specialist teams to the site of the incident. UK specialists can analyse compromised devices or data records to establish how the incident occurred and who was responsible. They will then take immediate action to stop any further data loss and advise how to prevent any such incidents in the future.

Certified expertise to give you confidence in your response team

CESG, the Information Security Arm of GCHQ, certifies high-quality companies that offer advice on responding to a cyber incident.

There are two certification schemes:

The Cyber Incident Response scheme
Certifies the providers who can offer expert assistance in the event of sophisticated, targeted attacks on networks of national significance. This may include government networks and major infrastructure.

The Cyber Security Incident Response scheme
Certifies companies who can provide high-quality incident response services suitable for industry, academia and the wider public sector.

UKTI

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We also help overseas companies bring their high quality investment to the UK's dynamic economy, acknowledged as Europe's best place from which to succeed in global business.

The UK has a truly world class cyber security industry, ready to meet the cyber security challenges of today - and tomorrow.

Get in touch to see how the UK can help you build a trusted cyber security solution.

Email: **cyber@ukti.gsi.gov.uk**

Visit: **www.cesg.gov.uk/products and services**

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