SUPPLY CHAIN CYBER ASSURANCE & RISK MANAGEMENT

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KEY INFO

- 45 minute webinar
- Questions asked in the chat box
- Q&A at the end
- Recording of webinar circulated shortly

YOUR PRESENTERS

Tim Pinnell

BSc, MSc, PCIP, CIPP/E, CISMP, Information Security

NQA Information Security Assurance Manager

Tim has worked in telecommunications cyber and information security for over twenty years. From the early World Wide Web days to today's globally connected information services, Tim brings a wealth of experience in security, compliance and governance. Throughout his career he has played a leading role in adopting, consulting and implementing information security compliance standards, including ISO 27001, PCIDSS and Cyber Essentials, helping organizations understand the risks facing their businesses and the controls needed to mitigate them.

Dominic Owen

LL.B. (Hons), ACII, MIRM

Tuned to R.I.S.K. Ltd

Dom has over 30 years' experience in business, specialising in supply risk management and assurance, information governance, capability maturity and contract management. After leaving BT Group in 2019, Dom set up his own business working with clients to manage risk and achieve compliance with internal policies and external standards/regulations. Challenging the norm, reducing wasted effort and connecting data to make better informed decisions.

Hinesh Mehta

Head of Cyber and Innovation

At West Midlands Cyber Resilience Centre

Detective Inspector Hinesh Mehta has been a serving police officer for over 16 years, his most recent role was in the Regional Cyber Crime Unit. He's no stranger to a murder and kidnap investigations using exploiting technology that he has specialised in and started the countries first Digital Media Investigator Unit. Hinesh is also heavily involved with the creation of four new teams ultimately shaping the police response to cybercrime. Using his wealth of experience over the years as a DI he is not only increasing the skill set of the police force with that knowledge but working on preventing businesses of up to 250 users fall victim to the ever changing cybercrime risk.

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Tuned to RISK

AGENDA

- **Context**
- **Cybercrime and the Supply Chain**
  - Threats
  - Case Studies
  - Lessons Learned
- **Risk Management Framework**
  - Information is an asset
  - Information Governance
- **Supply Chain Assurance and Standards**
- **Risk Mitigation Strategies**
- **Q&A**

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SUPPLY CHAIN CYBER ASSURANCE CONTEXT

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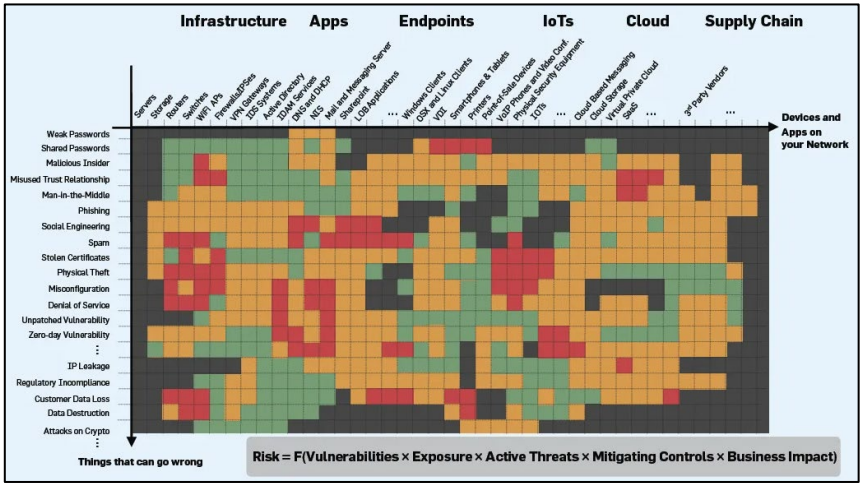
CONTEXT

- Supply chains can be fragile
- Dependency on remote IT
- Shortage of cyber security expertise
- Information inventories poorly managed
- BCPs were not driven by the pandemic
- Attack surfaces have increased
- Big move to cloud services
- Suppliers may be a single point of failure



Cybercrime and the Supply Chain

Detective Inspector Hinesh Mehta

Head of Cyber and Innovation

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The Threat

Digital Economy worth £400m per day

80% of cyber attacks start in supply chain

£130 Billion lost to consumers annually

Tier one national security threat

Law enforcement needs to work partnership

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Why is Cyber Crime important?

Mail Online

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Naked photos from thousands of plastic surgery patients including dozens of celebrities and 1,500 Britons are published on the dark web after Latvian clinic was hacked

- Hacking group known as Tsar Team broke into servers of Grozio Chirurgija clinic
- They stole more than 25,000 private photos and personal information of clients
- The clinic's patients include people from Germany, Denmark, Norway and the UK
- Victims were told to pay as much as €2,000 to guarantee material is kept private
- Do you know a victim of this hacking? Email gareth.davies@mailonline.co.uk

THE TIMES

SATURDAY

Weekend Newspaper of the Year

Only £1.50

Eat!

Donna Hay

The healthy pizza guide

'I'm not aware of how I look'

Tom Hughes: the Victorian TV pin-up

Magazine

Why I hated my dad

by Jeremy Paxman

How walking can keep you younger

Revealed: the secret files of the SAS

Exclusive: inside story of Brexit

Dark web trade exposed

Fake British passports, driving licences and exam certificates sold to criminals

THE TIMES

Dream family homes

Get one without breaking the bank

Meet the Brit who ruled the Emmys

Unhappily ever after: number of wretched unions doubles

500m web users hit by biggest hack in history

Breach revealed hours after White House cyberattack leaks Michelle Obama's passport

£11bn 'waste' of rolling out smart meters

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Current Threats

This ‘cyber arms race’ is likely to be an enduring challenge and an effective response requires collaborative action from government, law enforcement, industry regulators and, critically, business leaders.

NCA Strategic Cyber Industry Group
Cyber Crime Assessment 2016

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Supply Chain

Interconnected Systems - ”Trust”

Understanding of Controls - Mitigation

Software Vulnerabilities

Who has Access?

Hold to Account

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Case Study

SME – supplier of educational materials

Reliance on outsourcing

Embedded malware

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Case Study

Customer data stolen

Incidents of fraud

Reputational damage

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Lessons Learned

Security Awareness Training

Certification

Who are your clients?

THE CYBER RESILIENCE CENTRE FOR THE WEST MIDLANDS

What is The Cyber Resilience Centre for the West Midlands?

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Membership Feedback

"I am a freelance website design, social media, and IT professional, so I **rely** on digital technology to run my business.

Core membership at the West Midlands Cyber Resilience Centre is a fantastic way to receive up-to-date news on **local cyber threats,** and tips and guidance on how I can increase my business's **cyber resilience**.

The webinars shared in the newsletter have been particularly helpful and interesting. I have been able to hear from businesses of all sizes and understand how cyber threats and attacks have affected other sectors and industries."

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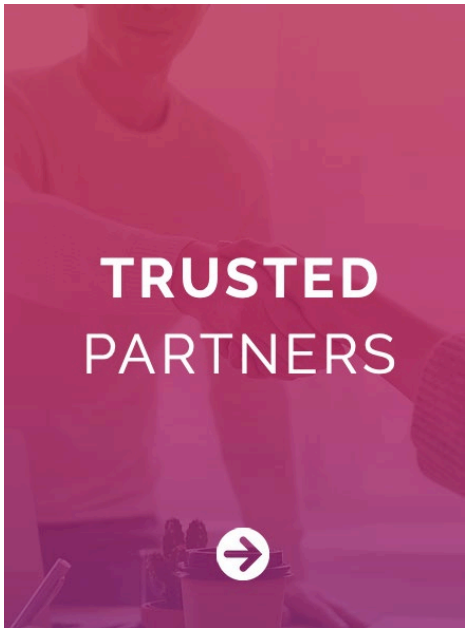
Cyber Essentials



CYBER ESSENTIALS PLUS

THE CYBER RESILIENCE CENTRE FOR THE WEST MIDLANDS

Free Core Membership

With 43% of all cyber attacks targeted at small businesses, the threat to businesses from cybercrime is real and growing.

As a small or micro business, improving your cyber resilience is invaluable, both from the point of view of protecting your own business but also to protect the organisations you may supply as part of their supply chain.

Includes:
NCSC Guidance - How organisations can protect themselves in cyberspace, including the 10 steps to cyber security from the Government NCSC division.

NCSCs Exercise In A Box – a tool to give your organisation a ‘dummy’ run of a cyber attack. Similar to testing your fire drill. Tailored for different sized organisations.

NCSC Board Toolkit - Resources designed to encourage essential cyber security discussions between the Board and their technical experts.

E-news – regular digestible updates relevant to West Midlands organisations about cyber resilience

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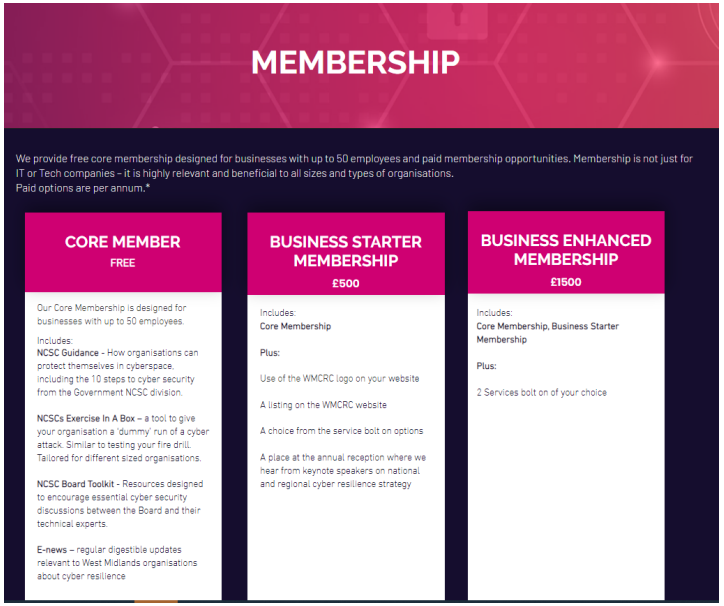
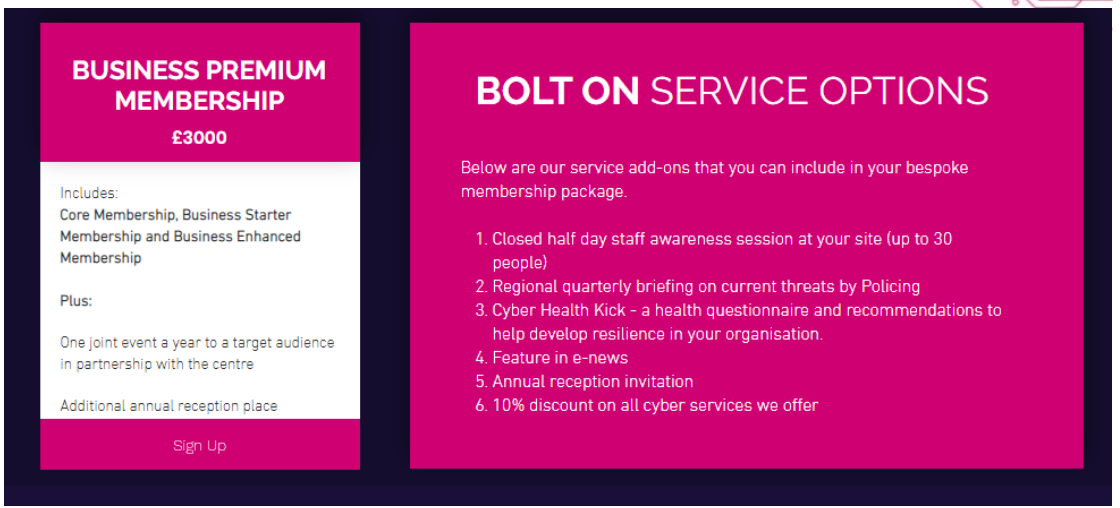
Other Membership Packages





Student Cyber Services

Internal Vulnerability Assessment

Find out how much damage an attacker could do if they did manage to breach your network or launch an attack from the inside.

Individual Internet Investigation

Harvesting online information about senior team members in your business can help an attacker craft a convincing phishing email. Find out what exists online about you and your team, and how it could be used in an attack.

Remote Vulnerability Assessment

We can scan your network remotely, like an attacker might, and see if there are obvious weaknesses present which they might choose to exploit.

Web Application Vulnerability Assessment

How secure is your website? Does it contain vulnerabilities just waiting to be exploited? Our assessments can help identify these weaknesses so you can fix them.

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Corporate Internet Investigation

Find out what information an attacker can gather about your business and how it can be used in a cyber-attack

Cyber Business Continuity Exercise

Practical scenario-based exercises tailored for your organisation to test your business continuity plan and your recovery plan in the event of an attack.

Security Awareness Training

Ensure your staff are aware of the risks associated with cyber and how to protect themselves and your business.

Security Policy Review

Find out how robust your current cyber security policies are and what can do to improve them.

Partner Resource Support

Student resource will be used to gill temporary resource gaps, support extended resource requirements to support projects or during incident response.

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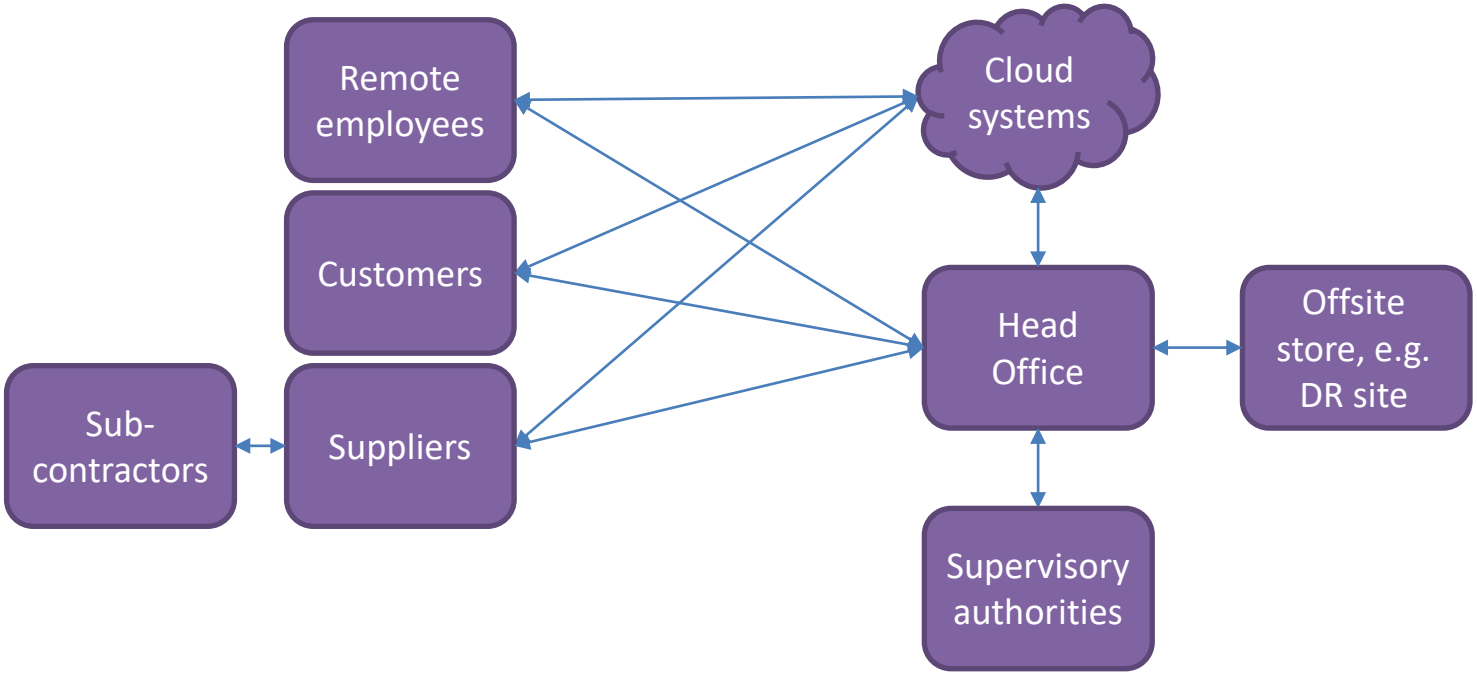
INFORMATION RISK

INFORMATION IS A COMPANY ASSET

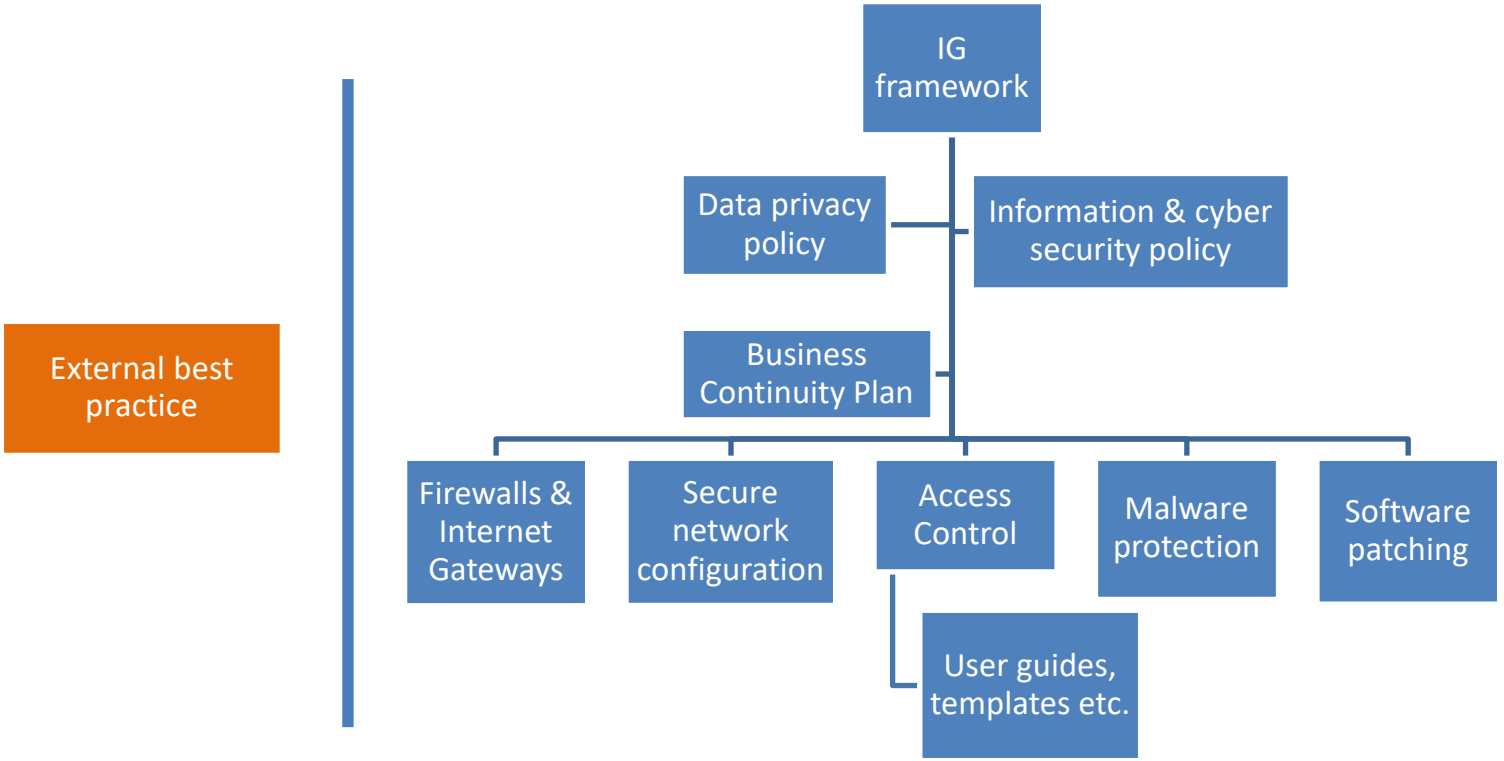
Information is valuable

- Product Catalogue
- Service Line
- Customers
- Suppliers
- Employees
- Marketing material
- Intellectual Property
- “Know How”
- Orders & Invoices
- Regulatory submissions

INFORMATION ASSETS AND DATA FLOWS



INFORMATION GOVERNANCE (IG)



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SUPPLY CHAIN ASSURANCE

SUPPLY CHAIN CYBER ASSURANCE STANDARDS

- **ISO 27001** – Information Security Management System
- **ISO 27017** – Information Security Controls for Cloud Services
- **ISO 27018** – Protecting Personal Information in Public Clouds
- **ISO 27701** – Privacy Information Management
- **ISO 20000** – Information Technology Service Management
- **ISO 28000** – Security Management System for Supply Chain
- **ISO 28001** – Best Practices for Supply Chain Security

Standard	Controls			
27001	114			
	Enhanced		New	
27017	33	31	4	6
27018	16		25	
27701	37		31	18

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SUPPLY CHAIN ASSURANCE STANDARDS

- **NCSC** – Principles of Supply Chain Security
- **ISF** – Supply Chain Assurance Framework
- Chartered Institute of Procurement and Supply
- **HMG** – Due Diligence Principles
- **HMG** – Strengthening UK manufacturing supply chains action plan
- Cyber Essentials Plus

National Cyber Security Centre

CIPS
Chartered Institute of Procurement & Supply

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RISK MITIGATION SUPPLIER STRATEGIES

RISK MITIGATION SUPPLIER STRATEGIES

Pre-contract

- Review the sourcing strategy
- Contracts with cyber sec KPIs
- Only use certified suppliers
- Online supplier performance research
- Use questionnaires effectively.

In-life

- Increase supplier conversations
- Performance monitor against KPIs
- Do SLAs meet RTOs?
- Conduct audits
- Heat maps
- Operate a Plan-Do-Check-Act framework.

THANK YOU
ANY QUESTIONS?

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COVID-19 SUPPORTIVE TOOLS AND RESOURCES

How can we support you work/return to work safely?

PHASE 1

Free supportive tools

Return To Work Safely Guide

Remote Auditing Guide

ISO 22301 Implementation Guide

Email marketing@nqa.com to get a copy for free

PHASE 2

Low cost virtual training

NQA Risk Assessment Training Returning To Work Post COVID-19 Lockdown

NQA Remote Internal Audit Training

Book online at www.nqa.com/training or call 0800 052 2424 (option 3)

PHASE 3

Get COVID SECURE

COVID SECURE Guideline Verification

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IS TO HELP CUSTOMERS DELIVER PRODUCTS THE WORLD CAN

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NQA is a **world leading certification body** with global operations.

NQA specialises in certification in **high technology** and engineering sectors.

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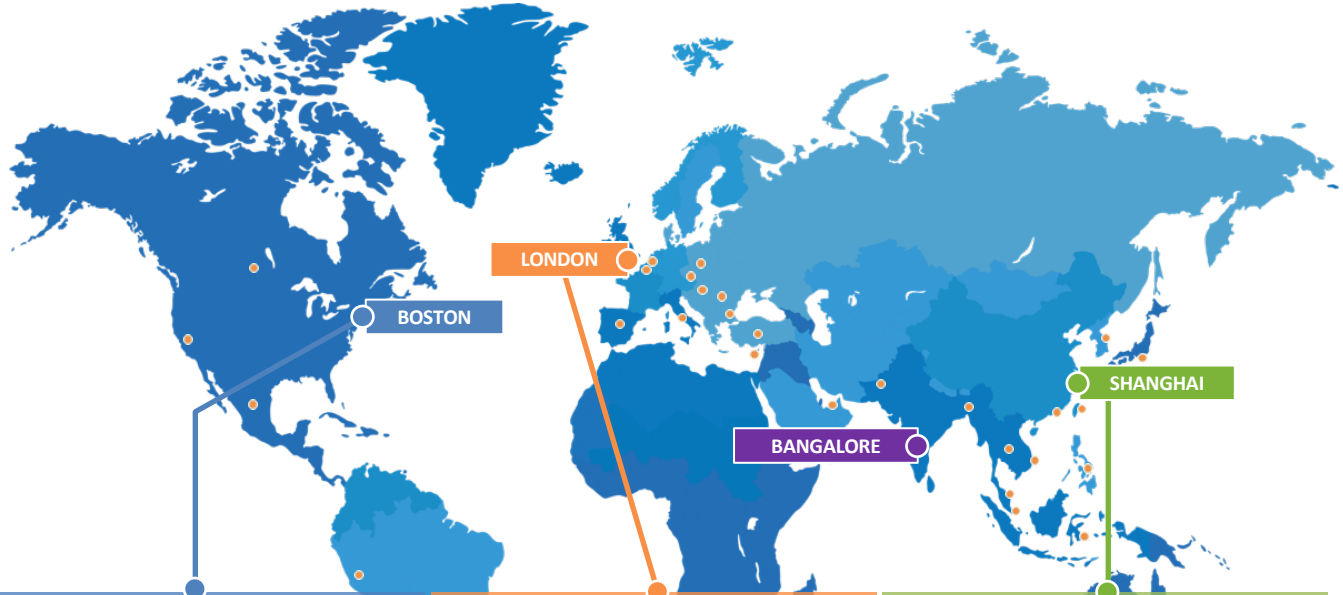

AMERICA'S NO.1
Certification body in **Aerospace** sector

TOP 3 IN THE UK
ISO 9001, ISO 14001, ISO 45001, ISO 27001

CHINA'S NO.1
Certification body in **Automotive** sector

GLOBAL NO.1
Certification body in **telecommunications** and **Automotive** sector

GLOBAL NO.3
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RISK MANAGEMENT

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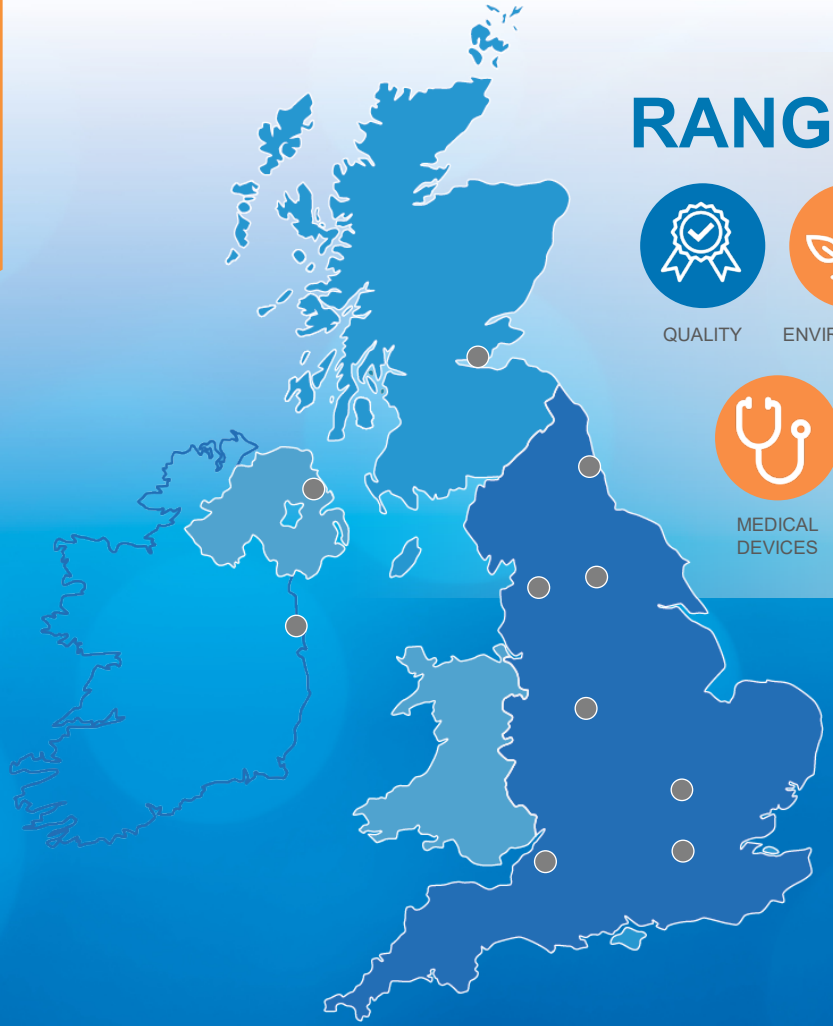

RANGE OF COURSES

- QUALITY
- ENVIRONMENT
- ENERGY
- HEALTH AND SAFETY
- INFORMATION SECURITY
- MEDICAL DEVICES
- BUSINESS CONTINUITY
- AEROSPACE
- INTEGRATED MANAGEMENT

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- **2 day** Implementation Courses
- **2 day** Internal Auditor – NQA or IRCA
- **5 day** Lead Auditor – NQA or IRCA
- **Advanced** Training

CQI | IRCA APPROVED TRAINING PARTNER

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Risk management and resilience practices will help lead COVID-19 recovery. Tuned to R.I.S.K. can focus your planning and readiness for adverse events.

We are Tuned To Risk. An independent risk & compliance services company, based in Huddersfield, with full remote working capability.

Tuned to R.I.S.K.

With over 30 years experience in UK and multinational corporations, Tuned to R.I.S.K. can help make your business more resilient to risk, more open to opportunity and more reassuring to your customers.

Prepare better for disruptive events, but don't overlook the opportunities that uncertainty can bring. We can help your business re-think its priorities.

Build stakeholder confidence through proactive risk and compliance management. Tuned to R.I.S.K. can help build your Three Lines of defence.

- Risk & compliance consultancy
- Independent Assurance
- Training & Development
- Virtual Business Partnering

We are Tuned to Risk. Call, email, or visit our website at www.tunedtorisk.co.uk to make an appointment.