

Strengthening MSME Cyber Security

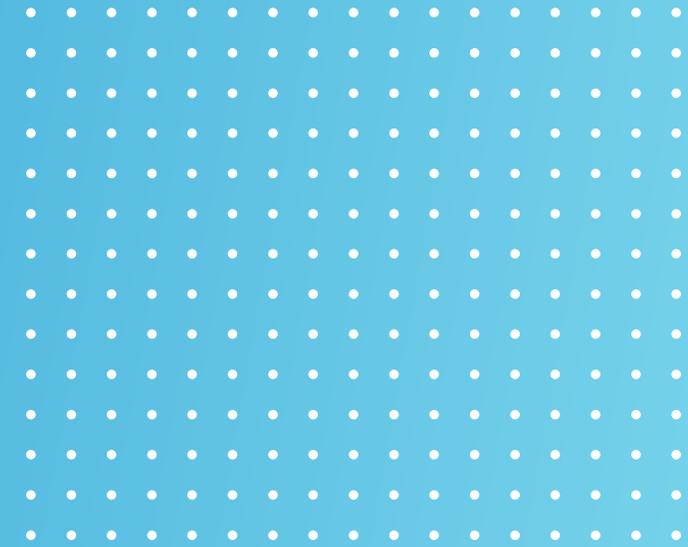
Dan Patefield, Head of Cyber and National Security, techUK

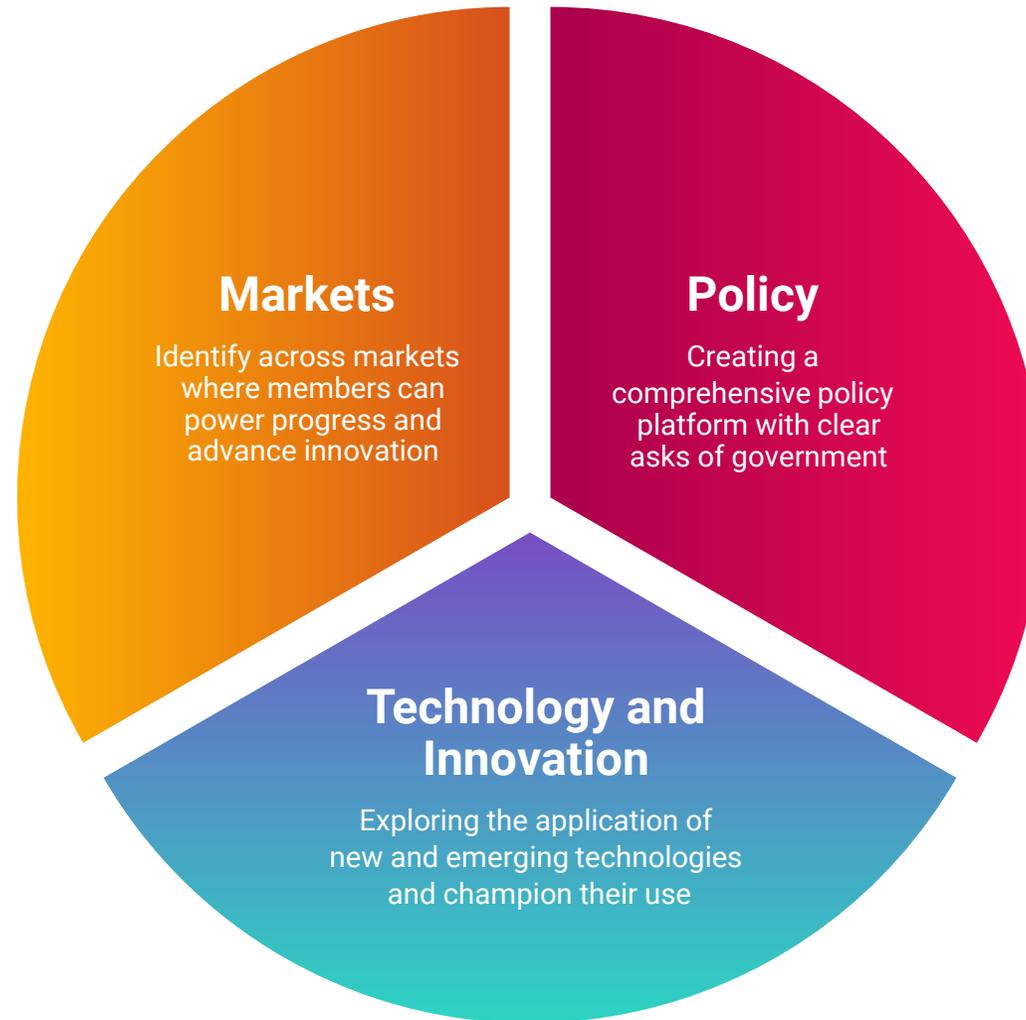
Dan.Patefield@techuk.org



techUK champions technology's role in preparing and empowering the UK for what comes next, delivering a better future for people, society, the economy and the planet.

Jacqueline de Rojas, President,
techUK





20+

Programmes

40+

Reports

50

Partners

400

Events

800+

Members

2,500

Attendees

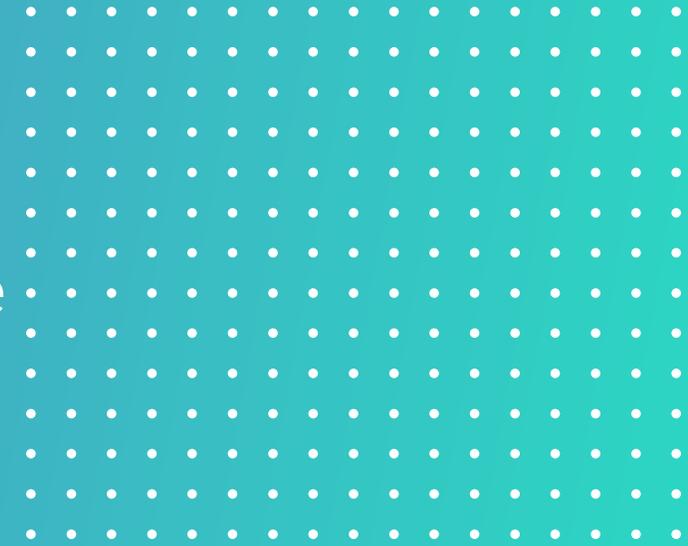
35K

Traffic

700K

Members
Employees

- Despite the economic conditions, 2020 was a new record year for cyber security investment with UK cyber security businesses raising over £821 million across 73 deals – more than twice that raised in 2019.
- The sector's total annual revenue has continued to rise (by 7 per cent), reaching £8.9 billion within the most recent financial year.
- The sector contributed more than £4 billion to the economy - up 6 per cent in the last year, with mainly mature firms driving growth.
- The majority (65 per cent) of the 46,683 cyber workforce are employed by large firms (250+ employees).



The Challenges

- **Finances**
- **Size/Scale**
- **Brain Drain**
- **Skills/Awareness**
- **Regional Disparity**



Solutions?



Public-Private Partnership

- **National Cyber Security Strategy**
 - Resilience
 - Growth and Innovation
 - Exports
 - Skills
 - Diversity
- **Cyber Growth Partnership**
- **Integrated Review – Focus on Cyber**

NATIONAL CYBER SECURITY STRATEGY 2016-2021





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- Individuals & families
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- Large organisations
- Public sector
- Cyber security professionals

Small & medium sized organisations

Cyber security advice for businesses, charities, clubs and schools with up to 250 employees. You're likely to fall into this category if you do not have a dedicated team internally to manage your cyber security.

**CYBER
ESSENTIALS**



**CYBER
ESSENTIALS
PLUS**





CYBER ESSENTIALS VS CYBER ESSENTIALS PLUS

WHAT'S INCLUDED

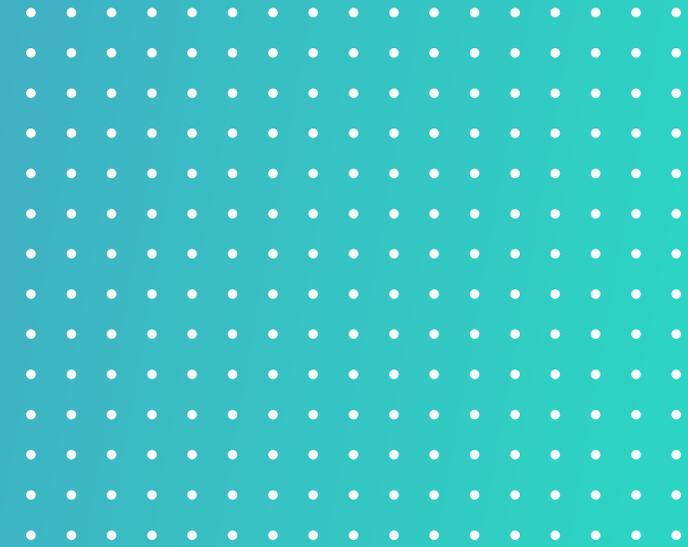
- Initial on-site report by a Cyber Security Specialist
- Detailed report outlining your performance against the Cyber Essentials Framework
- A list of recommended actions to be completed within 4 weeks of the audit
- Online Cyber Essentials questionnaire submission for verification
- Certified Cyber Essentials on-site audit by a Cyber Security Specialist
- A list of recommended actions to be completed within 4 weeks of the audit
- On-site verification visit by certified accreditor
- Cyber Essentials Plus Certification



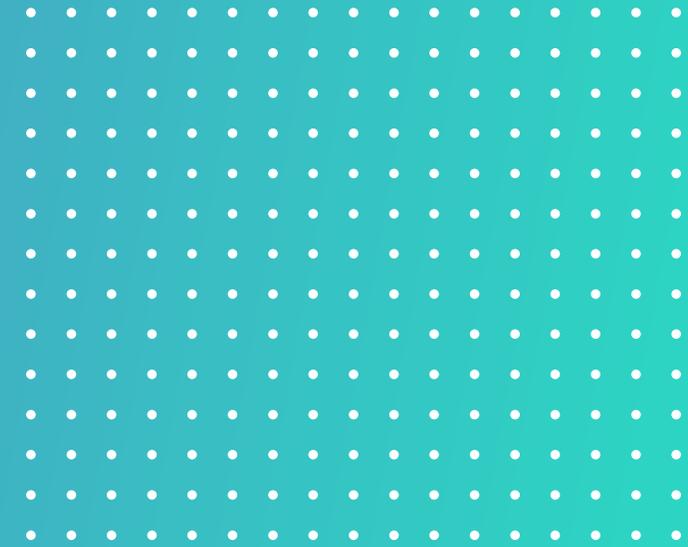
Skills vs Awareness

- 50% of UK business have a basic skills gap.
- 33% have an advanced skills gap.

- Skills and Awareness not the same problem.
- Short and Long Term Problems
 - Cyber First
 - Mid-Career Transfer
 - Specialists
 - Access to Talent



- The cyber sector workforce continues to lack diversity relative to the rest of the digital sectors, particularly when it comes to senior positions. Relatively few cyber firms have adapted their recruitment processes or carried out any specific activities to encourage applications from diverse groups.
 - 17 per cent of the workforce come from ethnic minority backgrounds, falling to just 3 per cent of those in senior cyber roles (i.e. those typically requiring 6 or more years of experience)
 - 16 per cent are female (vs. 28% across all digital sectors), falling to 3 per cent in senior roles
 - 10 per cent are neurodivergent, falling to 2 per cent in senior roles
 - 9 per cent are physically disabled, falling to 1 per cent in senior roles



Regional Development

- **Clusters across the UK with unique, world leading capabilities.**
 - Cheltenham
 - Manchester
 - Yorkshire
 - Edinburgh
 - Northern Ireland
- **Why is this important?**
 - Resilience
 - Broader market
 - Skills





Happy to take questions