Policing Led - Business Focussed.

THE EASTERN CYBER RESILIENCE CENTRE

www.ecrcentre.co.uk

Detective Inspector Fiona Bail

Detective Supt Paul Lopez

NPCC National Police Chiefs' Council

BRIM BUSINESS RESILIENCE INTERNATIONAL MANAGEMENT

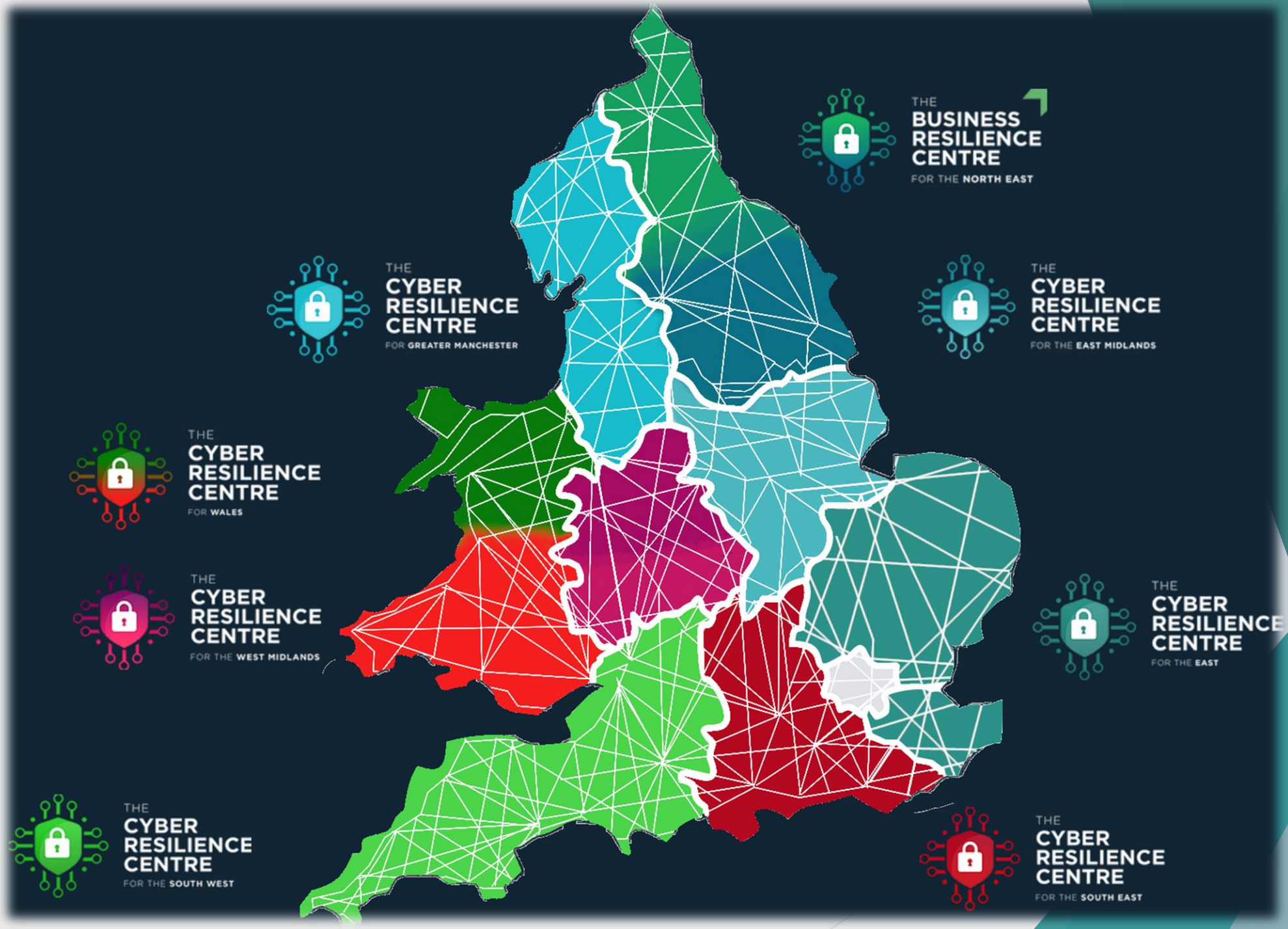
Seven Force Strategic Collaboration Programme

Home Office

What is the ECRC?

- Home Office supported project
- Collaboration between Policing, Industry Experts and Academia
- Not for Profit Limited company
- Membership focussed - with free of charge membership

Aim:
To increase the cyber resilience of Small and Medium businesses


THE
BUSINESS
RESILIENCE
CENTRE
FOR THE NORTH EAST
THE
CYBER
RESILIENCE
CENTRE
FOR GREATER MANCHESTER
THE
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FOR THE EAST MIDLANDS
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FOR THE SOUTH EAST

Why have the Cyber Resilience Centres been set up?

Cybercrime is increasing

1.5 million organisations fell victim to cyber crime in 2019 (Beaming's five years in cyber security)

25% of all UK businesses and an increase from the 13% in 2015

The est. cost of cyber crime to the UK business - **£21bn per year** (Detica report, Office of Cyber Security and Information Assurance, Cabinet office)

£233.3m loss in Eastern England between Jan – July 2021 (Action Fraud)

Most cybercrime is for one thing – MONEY, either directly (theft) or indirectly (ransomware, selling data)

“I'm too small to be a target”

- Criminals target vulnerabilities

Video Case Study

- Password was compromised via a data breach where the same password was used
- Gained access to email system
- Sent change of account details out without firm knowing
- Criminals got paid
- Customers lost money and trust

Potentially

The email that was sent to the customers could have a malicious attachment which then infects the customers networks

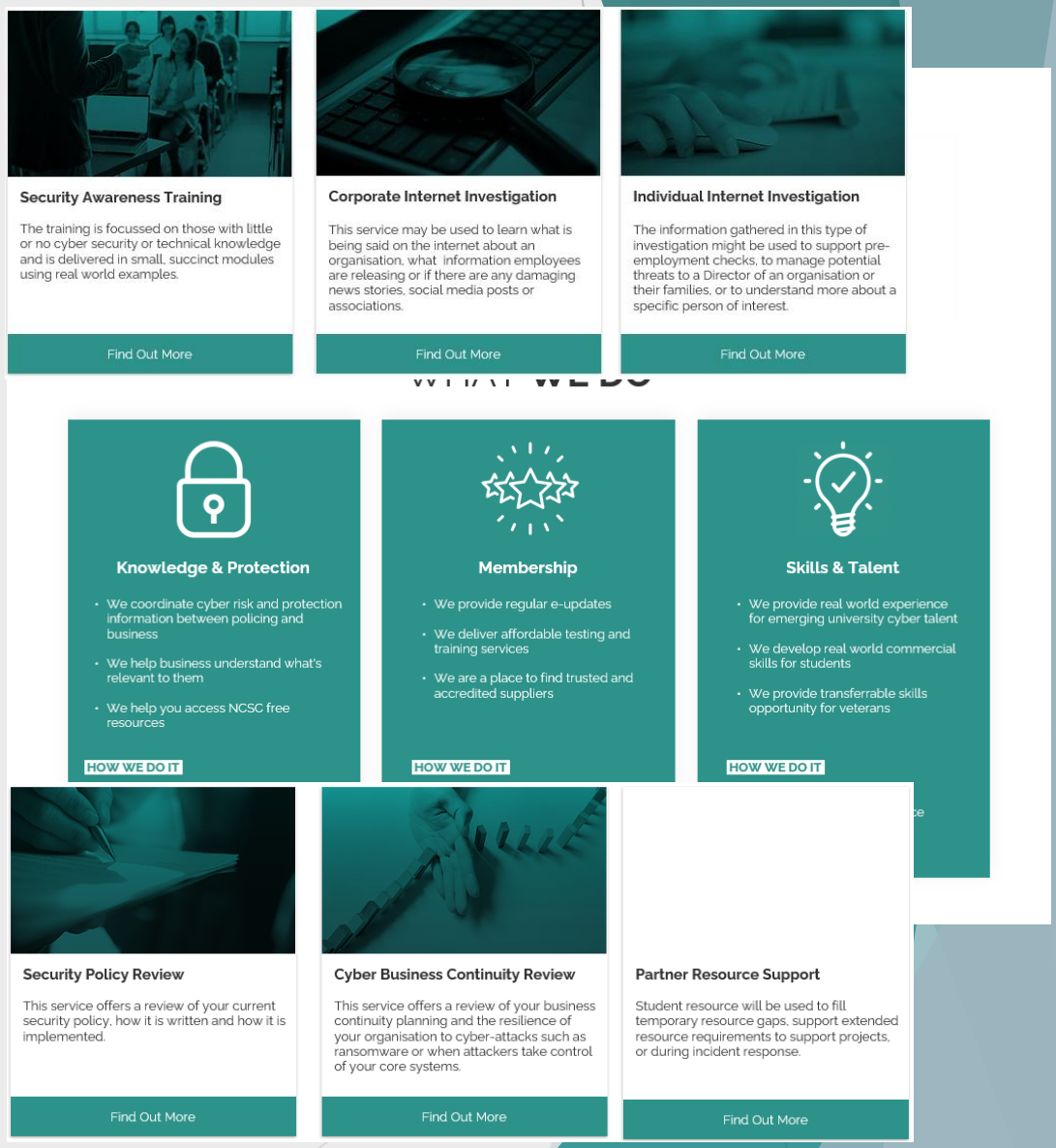
43% of SMBs lack any type of Cyber Resilience Plan
1 Small Business in the UK is successfully hacked every 19 seconds
Hackers target **VULNERABILITIES** not organisation size
4 in 10 SMEs say they would struggle to recover from data loss. 1 in 4 SMEs admit they wouldn't be able to recover any data.
41% of UK consumers claim they will never return to a business after a data breach

CRC Membership

Free of charge core membership

Provides members with:

- Access to national **guidance** on cyber resilience, free online **resources** and **toolkits**.
- Regular updates from the ECRC team including the latest information about emerging **threats** in our region.
- **Contact** from a member of the ECRC to discuss your current cyber resilience and discuss areas to consider.
- A “**little steps**" journey - receive one email a week about one cyber resilience consideration.



Trusted Partners & Cyber Essentials Scheme

Cyber Essentials is a simple but effective, Government backed scheme that will help you to protect your organisation, whatever its size, against a whole range of the most common cyber attacks.

Think of it as an annual MOT for your businesses' cyber resilience.

Delivered by our Trusted Partners who are Accreditation Bodies within the Eastern region.

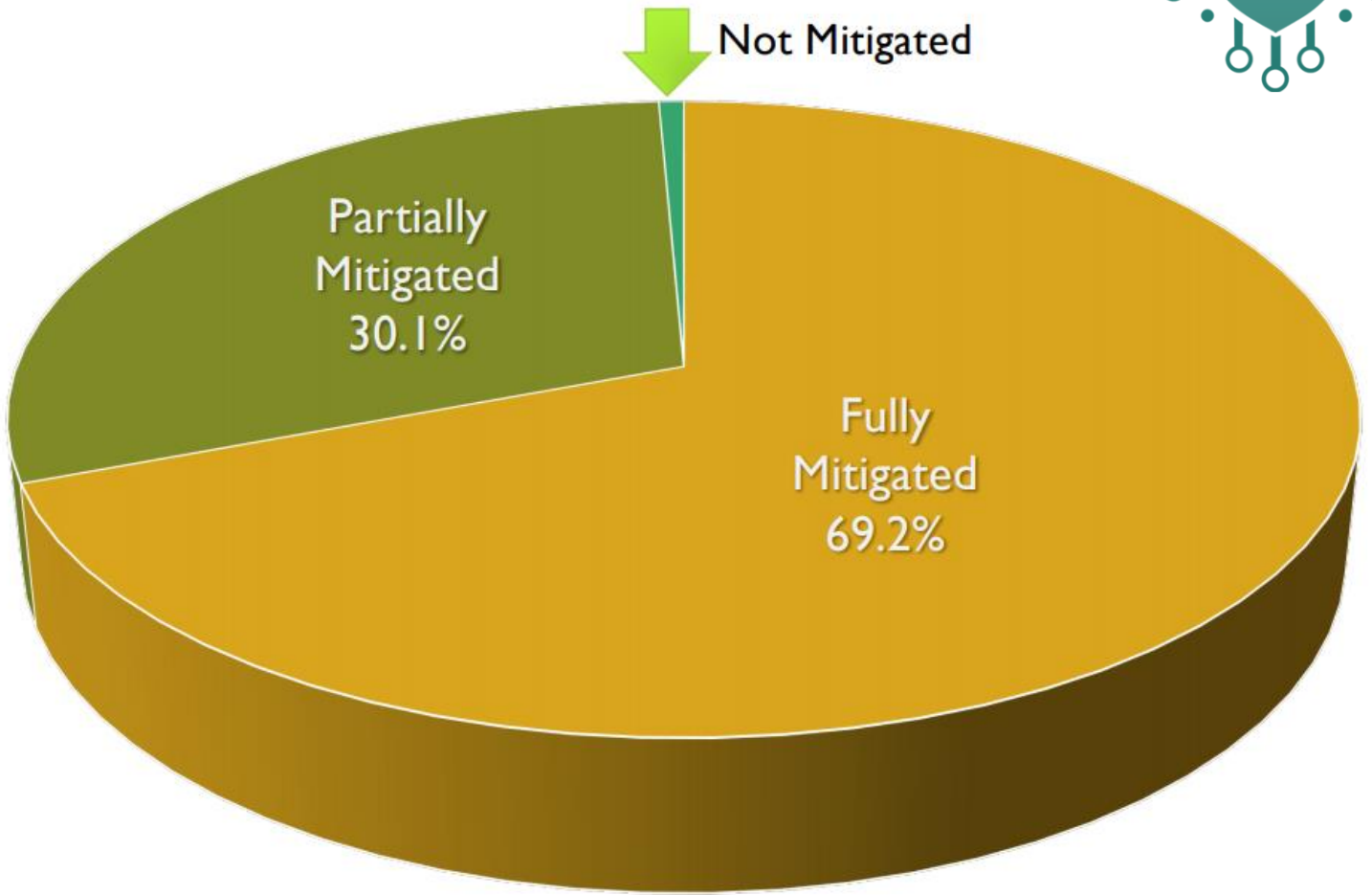
IASME CONSORTIUM Impact of Cyber Essentials

Security Lancaster | Lancaster University

CYBER SECURITY CONTROLS EFFECTIVENESS
A Qualitative Assessment of Cyber Essentials

Attacks Mitigated

- Full 69.2%
- Partial 30.1%
- Not Mitigated 0.7%

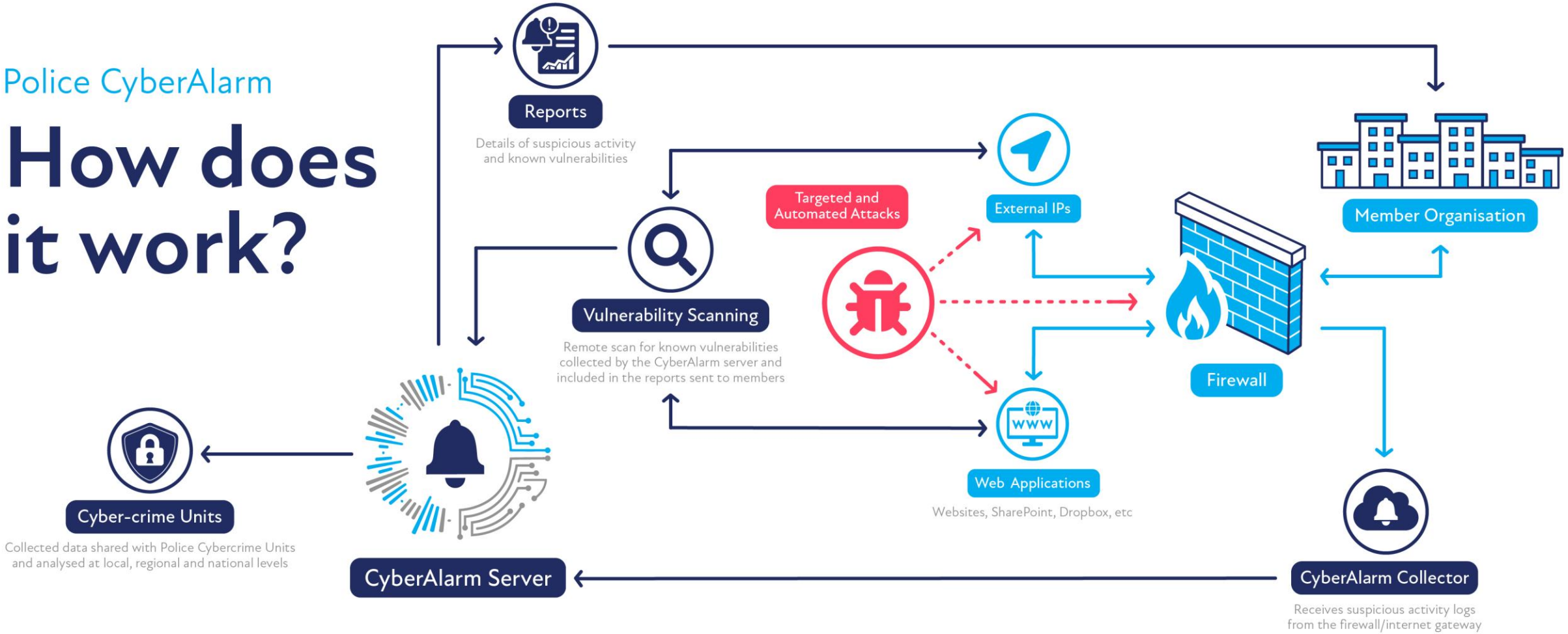


http://www.research.lancs.ac.uk/portal/services/downloadRegister/113909717/SCC_2015_02_CS_Controls_Effectiveness.pdf

POLICE CYBERALARM

Police CyberAlarm

How does it work?



Quick and Easy Tips for Cyber Resilience

DON'T USE THE SAME PASSWORD ACROSS MULTIPLE ACCOUNTS

MAKE YOUR PASSWORDS COMPLEX - USE 3 RANDOM WORDS OR A PASSWORD MANAGER

ENABLE 2FA ON ANY IMPORTANT ACCOUNT *ESPECIALLY* EMAIL AND SOCIAL MEDIA

CHECK YOUR CURRENT EXPOSURE – HAVEIBEENPWNED .COM

REGISTER YOUR DOMAIN WITH

HAVEIBEENPWNED .COM

Affordable Student Services

Provides **eight cyber resilience services**, designed especially for smaller business, including the self-employed and third sector.

Delivered through an innovative UK Talent Pipeline Programme, where the UK leading universities in cyber skills, partner with policing and the private sector to provide commercial training and oversight for students to deliver this work.

A WIN-WIN

Businesses - benefit from affordable priority cyber resilience services

Cyber Industry – prepare and speed up the UK's talent ready for graduation

Students – benefit from high-quality work experience, with real world situations and expert guidance from some of the best in the field

Affordable Student 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. The objective of an Internal Vulnerability Assessment is to safeguard the network's assets that could be exploited to interfere with the confidentiality, availability, and integrity of your network.
- **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.

Affordable Student Services

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

Affordable Student Services

- **Security Policy Review**
  Find out how robust your current cyber security policies are and what can do to improve them.
- **Cyber Business Continuity Exercise**
  A cyber tabletop exercise helps identify issues in the Cyber aspects of your company's current business continuity plan, including emergency response plans, disaster recovery plans and backup integrity testing.
- **Security Awareness Training**
  Ensure your staff are aware of the risks associated with cyber and how to protect themselves and your business.

Summary

- The CRC is a new way of working for the police

- Cybercrime is a growing problem
- Most businesses don’t realise that they are a target for cyber crime, but unfortunately if you are online, you are a target.
- If businesses do realise they are a target, they are unsure about where to start or who to trust.

- The ECRC is that starting point, with our free of charge membership to get businesses started on their cyber resilience journey.

The ECRC is here to help

Thank you for listening
Any questions?

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