



High Potential Opportunity

Cyber Security

An opportunity to design, develop and commercialise cyber technologies for a variety of applications, in Gloucestershire's unique cyber cluster.

Gloucestershire



Department for
International Trade



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Cyber Security in Gloucestershire

Gloucestershire is a world leader in cyber security.

A unique opportunity exists to profit from a well established cyber security cluster, taking advantage of digital assurance and accreditation to provide cyber security solutions in industries such as Finance, Healthcare, Mobility, Telecoms, Legal, Energy, Critical Infrastructure and Agri-tech.

THE OPPORTUNITY IS YOURS TO TAKE



1

Executive Summary

Exploit the growing global demand for cyber security.

Enrich the well established and growing cyber security cluster in Gloucestershire with new products and applications

Gloucestershire is home to Government Communications HQ (GCHQ), founded in 1952, and the National Cyber Security Centre (NCSC), which have been at the heart of cyber security developments for over 60 years. The region is home to the largest cluster of cyber security companies outside of London.

A rising number of cyber security attacks, an increasing diversity of vulnerabilities with a growing adoption of Internet of Things (IoT), and a greater reliance on cloud services is accelerating the demand for cyber security solutions. As a result, the UK's cyber security industry is growing rapidly and its cutting-edge cyber security expertise and capabilities are recognised globally. The COVID-19 pandemic has seen a huge shift in working patterns and digitisation, meaning that robust cyber security measures are needed more than ever.

The UK's cyber security industry is now worth an estimated £10.1bn, up 14% since 2020 with 52,700 employees²

Sources: ¹Statista, Size of the cybersecurity market worldwide, from 2017 to 2023¹, Jan 2021

² Gov.uk, Cyber security sectoral analysis 2022, Feb 2022

Photo source; Cyber Central, Jeff Goldberg & Esto Snohetta, 2021,

Design and develop cyber security technology for a wide variety of applications

Certification

Supply Chain

Applications

Including Healthcare, Mobility, Agri-Tech, Government, Financial Institutions and Critical Infrastructure

£132bn

global estimated market size 2021¹

£178bn

global estimated market size by 2023¹





1

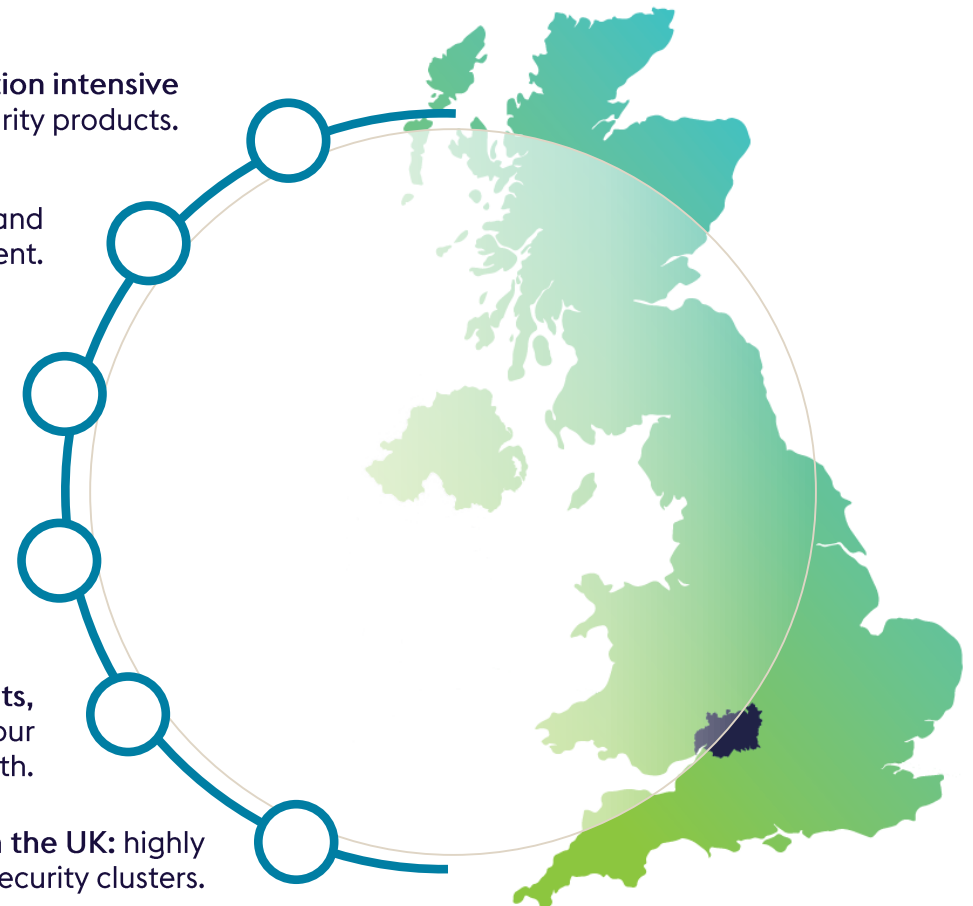
Executive Summary

Benefit from a location primed for investment in cyber security.

Gloucestershire - A unique location for cyber security investment in the UK

Tap into an exceptional opportunity to become part of Gloucestershire's established and thriving cyber cluster. Global investors can benefit from world-class academic research, open access facilities, and a well integrated supply chain based in the region.

- Integrate with a rapidly growing and exciting research and innovation intensive cluster:** enabling you to design, develop and scale up your cyber security products.
- Tap into a specialised ecosystem:** with strengths in certification, compliance and commercialisation, to support your new product development.
- Gloucestershire offers a unique opportunity to become part of an established and thriving cyber cluster:** Global investors can benefit from world-class academic research, open access facilities and a well integrated supply chain based in the region.
- Capitalise on a wide choice of incubation and soft landing platforms** to set up in, with dedicated collaborative space for you, industry and academia.
- Gain direct access to a core of highly-skilled cyber security related students, professionals and capability** to meet your current needs and support your business growth.
- Exploit some of the best space designed for cyber security in the UK:** highly competitive when compared to other global cyber security clusters.





2

The opportunity

Design and develop the cyber security solutions of the future.

Supply Chain

Certification

Applications

Fill gaps in a rapidly growing cyber security supply chain

Gloucestershire's cyber security supply chain requires new innovators to meet the threats of the future.

Following the Department for Culture, Media and Sport UK Cyber Security Sectoral Analysis, there are several supply chain opportunities for investment:

- › Cyber professional services
- › Endpoint and mobile security
- › Identification, authentication and access controls
- › Incident response and management
- › Information risk assessment and management
- › Internet of Things (IoT Security)
- › Supervisory control and data acquisition (SCADA) and Information Control Systems
- › Threat intelligence, monitoring, detection and analysis
- › Awareness, training and education

Sources: DCMS, UK Cyber Security Sectoral Analysis, 2021.

Photo Source: Golden Valley, 2022, artist's impression.



A £132 billion industry ready to be exploited



With 10.5% CAGR



Develop 'secure by design' products for a range of applications

Gloucestershire has the credibility, capability and capacity to support companies in their quest to produce world beating cyber security products and services.



Ensure your technologies are cyber secure

- › The National Cyber Security Centre (NCSC) has been assuring UK technology for over 30 years and is still leading the way when it comes to providing confidence in the cyber security technologies on which the UK relies.
- › They have recently published a [White Paper](#), laying out a new approach to assurance based around security principles and over time will be establishing an ecosystem of trustworthy Cyber Resilience Test Facilities to provide independent testing and assurance.

Collaborate with the NCSC

- › NCSC has partnered with IASME to deliver Cyber Essentials, a Government backed scheme designed for infrastructure of all sizes to protect themselves against a range of the most common cyber attacks.
- › They work with around 270 Certification Bodies across the UK & Crown Dependencies to deliver the scheme, 37 of which are based in the South West region, and 11 in Gloucestershire.

Certify your company and professionals

- › Cyber Security Consultancies - aimed at providing government, wider public sector and Critical National Infrastructure (CNI) with support on a wide and complex range of cyber security issues. The certified consultancies give customers independent, expert advice.
- › Certified Cyber Professionals (CCP) - professional certification under CCP is awarded to those who demonstrate their sustained ability to apply their cyber security skills, knowledge and expertise in real situations.
- › Cyber Incident Response (CIR) companies help organisations with networks of national significance who have been the victim of a cyber attack.
- › CHECK is the scheme under which NCSC approved companies can conduct authorised penetration tests of public sector and CNI systems and networks.

Supply Chain

Certification

Applications



Profit from demand in applications that require cyber security resilience

Cyber security will play an increasingly significant role in the protection, development and expansion of multiple global sectors, including these 6 important sectors in Gloucestershire

Government

The government's recently released Cyber Security Strategy commits the government's critical functions to be significantly hardened to cyber attack by 2025. With all government organisations being resilient to known vulnerabilities and attack methods no later than 2030, this provides a significant opportunity for cyber security providers.

Financial Institutions

Credential and identity theft as well as supply chain attacks continue to accelerate. Emerging technologies, especially deep fakes and 5G can advance cyber threats. Technology deployment and consumer trust are vital to the financial services industry.



Mobility

Cyber threats are rising due to the ability to hack new generation cars. New regulations (WP.29 - a new international automotive cybersecurity regulation) will require manufacturers to implement specific cyber security measures in connected cars.

Agri-Tech

The food industry is a critical, complex and interconnected global network utilising diverse digital technologies which presents a challenging risk threat. The most severe risks lie within food distribution and storage, and food standard systems. Large food processors are high-risk targets for cyber criminals and any disruption to their operations could affect a large number of farmers and growers that supply them.

Energy and Critical National Infrastructure

Digital infrastructure, such as the emergence of smart grids and smart devices, is increasingly used, which can make the energy sector more vulnerable to cyber attacks. A large number of legacy systems require ongoing maintenance and support to remain secure.

Healthcare

Healthcare delivery services and pharmaceutical companies have large quantities of patient data and valuable intellectual property to protect. Medical innovations from medical data tracking to bedside life support systems create privacy, safety and security challenges.



Sources: DIT, Cyber Security Export Strategy 2018; McKinsey, 'Cybersecurity in Automotive: Mastering the Challenge', June 2020; Security Magazine, 'Six Cybersecurity Threats the Financial Services Sector Faces', Oct 2020; Lighttrading, 'Profits and power propel the open RAN security debate', Feb 2020. NCC Group, Cyber Security in UK Agriculture, Aug 2020.. UK Gov, Government Cyber Security Strategy, 2021.

Supply Chain

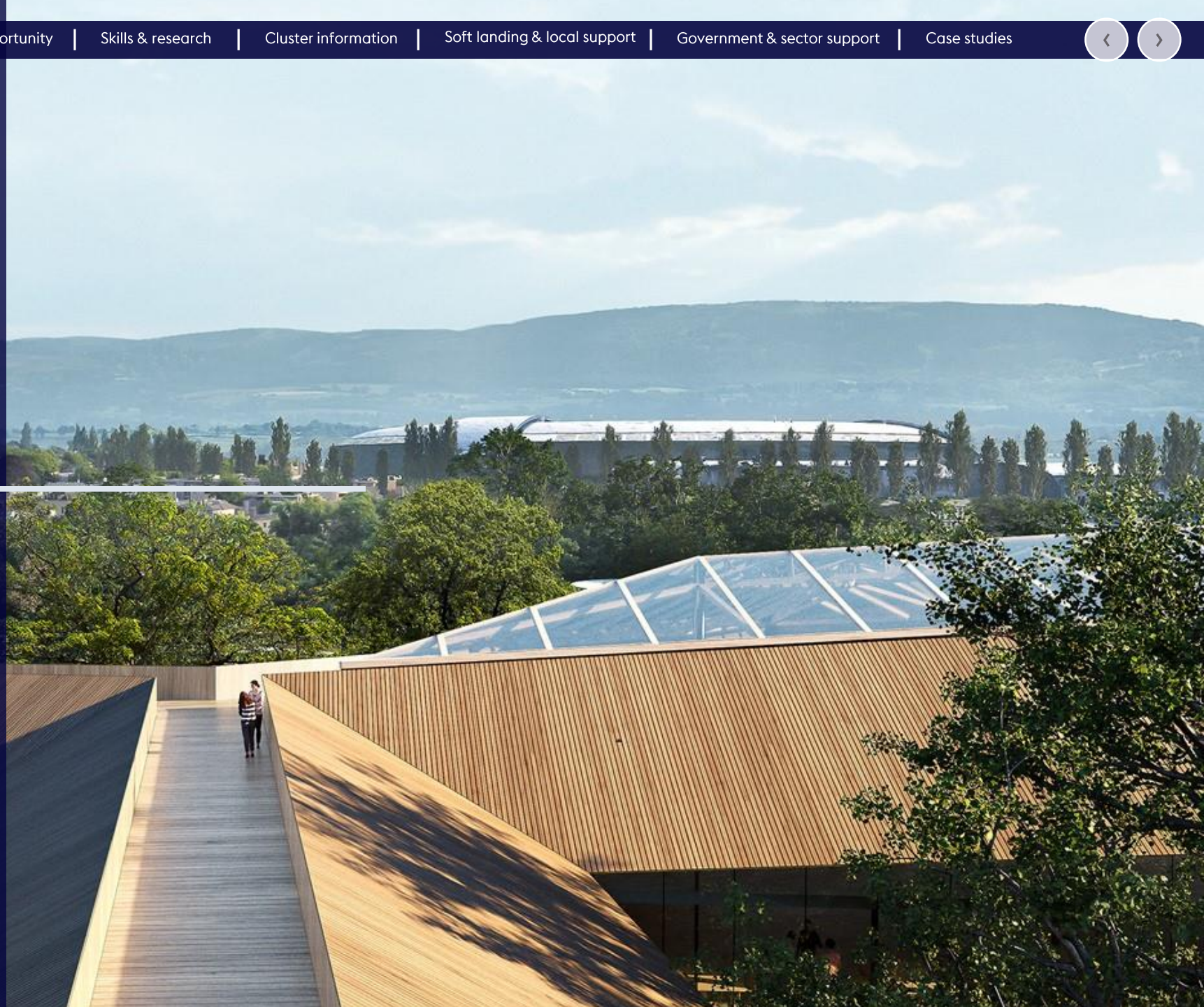
Certification

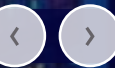
Applications



Explore Gloucestershire

A compelling case for your business

[SKILLS & RESEARCH](#)[CLUSTER
INFORMATION](#)[SOFT LANDING
LOCAL SUPPORT](#)[GOVERNMENT
SECTOR SUPPORT](#)[CASE STUDIES](#)



3

Skills & research

Capitalise on world-class research, and gain the skills you need to succeed now and in the future.

Integrate with a world-class research base and collaborative working culture

The region's universities and centres of excellence offer a strong R&D and skills base enabling your business to grow.

Academic Centres of Excellence in Cyber Security Research (ACE-CSR)

The NCSC and the Engineering and Physical Sciences Research Council (EPSRC) jointly recognise Academic Centres of Excellence in Cyber Security Research (ACE-CSR).

19 UK universities have been recognised as an ACE-CSR and proven they have:

- › a commitment to support and invest in cyber security research capacity and capability;
- › a critical mass of academic staff engaged in leading-edge cyber security research;
- › a proven track record of publishing high impact cyber security research in leading journals and conferences;
- › sustained funding for research teams.

Recognised universities close to Gloucestershire are:

- [University of Birmingham](#)
- [University of Bristol](#)
- [Cardiff University](#)
- [University of Oxford](#)
- [University of Warwick](#)

In order to further stimulate cyber security research in the UK, the NCSC supports Doctoral students across the ACEs-CSR. In addition, The University of Bristol with the University of Bath operate a [Centre for Doctoral Training \(CDT\)](#) in cyber security, under the banner 'Trust, Identity, Privacy and Security at-Scale'.

Bristol Cyber Security Group

The Bristol Cyber Security Group, driven by the University of Bristol has a state-of-the-art, large scale testbed, providing a realistic environment for research into cyber-physical systems security. The testbed infrastructure includes:

- › Multiple physical and virtual processes
- › Physical industrial control hardware
- › Fully-realised experimental network environment
- › Training and prototyping environment
- › Industrial Control Systems training boxes
- › Remote field site with physical process
- › Federated architecture
- › Access to the electrical engineering workshop team [Cyber Security | Faculty of Engineering | University of Bristol](#)





Nurturing your workforce

Gloucestershire offers dedicated skills support packages for companies looking to invest and expand with a rich talent pool of over 11,000 people involved in the local digital tech sector. The region has the highest number of CyberFirst schools and colleges in the country. 15 out of a total of 49 are based in Gloucestershire and have achieved Gold, Silver and Bronze level recognition.

SGS Berkeley Green UTC - CyberFirst Silver Schools Status

CyberFirst is a programme for young people aged 11 - 17 years to explore their passion for tech by introducing them to the fast paced world of cyber security.

SGS Berkeley Green UTC CyberFirst is the only scheme in the South West of England.

academytrust.sgscol.ac.uk/sgs-berkeley-green-utc

Cyber Security Degree Apprenticeship - one of only two NCSC-certified Degree Apprenticeships in the UK. Taught by a combination of cyber security experts from UWE and Gloucestershire College, apprentices can earn a UWE Bristol degree in GC in their brand new world-class £3 million cyber facility, within easy reach of work or home.

www.gloscol.ac.uk/campaigns/cyber-security-apprenticeships

Digital Skills Centre
Opening in spring 2022, the Gloucestershire Digital Skills Centre is a new space for learning, modelled on digital industries rather than traditional classrooms

The Institute of Coding has brought together industry, government, higher education and outreach partners to create more than 150 new courses that have engaged over 800,000 diverse learners to date. With their network of partners and industry-focused courses, they have what it takes to help you keep moving forward in today's world of digital transformation. The University of Gloucestershire hosts an Institute of Coding boot camp that offer opportunities to learn and develop skills in tech

www.instituteofcoding.org

The Growth Hub Network can help businesses maximise its potential, with one-to-one advice and support, to a range of expert-led events and online self-serve resources.

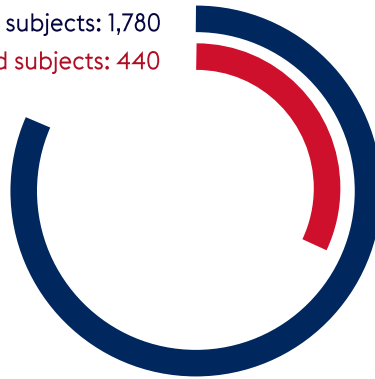
www.glos.ac.uk/business-and-partnerships/business-and-employers/the-growth-hub/



Leading institutions developing a pipeline of talent for your business - now and in the future.

Universities and colleges in Gloucestershire are supporting a steady pipeline of students and graduates educated for the cyber security sector.

Students in key related subjects: 1,780
 Graduates in key related subjects: 440



Globally ranked universities such as University of Gloucestershire are offering degrees in relevant courses.

Students currently studying at all Gloucestershire Higher Education institutes



Mathematics



Software Engineering



Information Systems



Computer Science

The graduate pool is strengthened by cyber security specific courses and world-class research centres, with a further 18 universities in easy reach of Gloucestershire.

University of Gloucestershire

8,260

students across all subjects

Awarded University status in 2001, the University is located over three campuses, two in Cheltenham and one in Gloucester. The University offers a Cyber and Computer Security BSc (Hons) degree at their new purpose-built School of Computing and Technology. www.glos.ac.uk

University of the West of England

29,560

students across all subjects

Achieving University status in 1992, the University of the West of England (UWE) has a diverse student body of almost 30,000 students and more than 400 courses covering a wide range of subject areas. The university has a campus in Gloucester and offers an MSc in Cyber Security. www.uwe.ac.uk

Gloucestershire College

14,000

students across all subjects

Gloucestershire College is a modern, well-equipped College with a thriving community of UK and international students. It offer a range of education and training programmes, including for school leavers and mature students. www.gloscol.ac.uk

South Gloucestershire and Stroud College

12,000

students across all subjects

South Gloucestershire and Stroud College (SGS) is a successful further education college formed by the merger between Stroud College and Filton College in 2012. At SGS has four main campuses – Stroud, Filton, WISE and Berkeley Green. SGS host SGS Berkeley Green Campus www.sgscol.ac.uk



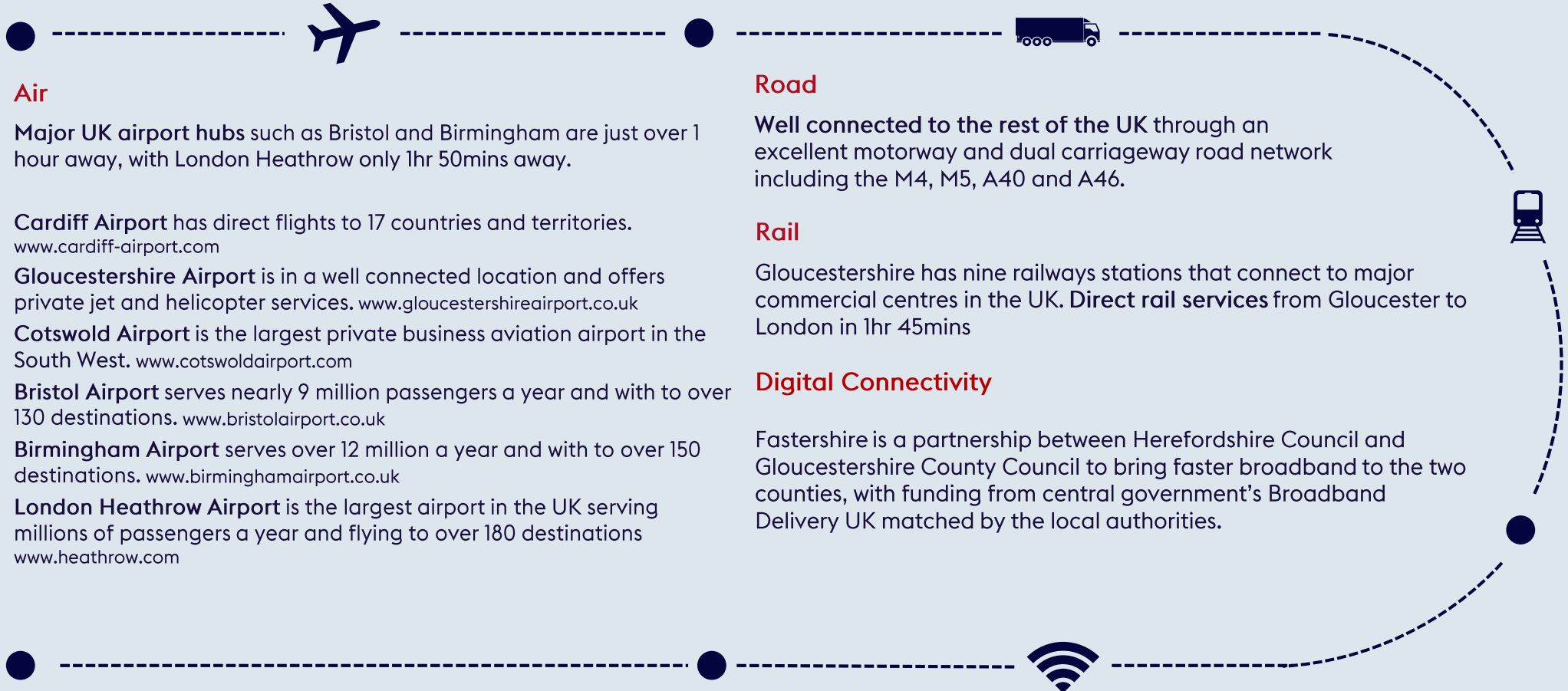
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Cluster information

Gloucestershire boasts superb connectivity and access to a clear customer, partner and supply base.

Get connected to the world

Gloucestershire is at the heart of a regional transport network providing you with connectivity to the rest of the UK, Europe and beyond.





Gloucestershire has a rich and significant asset base

Located at a crossroads between Wales and London, and the West Midlands and the South West, the county's strategic position, even in an increasingly digital age, remains important to this day for businesses, visitors, and residents alike.





Capitalise on a vibrant and fast-growing Cyber-tech ecosystem in Cheltenham and across Gloucestershire

Cyber Cheltenham (CyNam)

CyNam is the regional Cyber Cluster driving the growth of the cyber ecosystem in Cheltenham and across Gloucestershire by providing a platform for innovation, collaboration and knowledge exchange. Based in Cheltenham, the home of GCHQ and the largest concentration of cyber technology businesses outside of London, CyNam sits at the heart of a thriving cyber community bringing together industry (from exciting start-ups to well established primes), academia and government.

CyNam's renowned events cover key topics, crucial to the industry with close to 1,000 people joining each event and the community itself growing to over 4,000 members. In between events, CyNam connects businesses with potential collaborators, partners and investors and also facilitates industry engagement in schools to inspire the next generation. With strong connections to all UK Cyber Clusters, CyNam can connect businesses looking to establish a national presence with cyber innovation hubs across the UK. www.cynam.org

UKC3

The UK Cyber Cluster Collaboration exists to support Cyber Clusters in their mission to drive economic growth in the sector. As a national body, the UKC3 works across public, private sectors, and academia and provides a single entity for organisations wishing to engage with the UK Cyber Cluster community. CyNam is a UKC3 recognised cluster. ukc3.co.uk

Home to
GCHQ and
NCSC



1,100+
Cyber security
professionals



Digital tech
economy
comprises
over 2,300
businesses



60+
years of
Industry

Largest number of cyber firms outside of London
(over 120 firms involved in a multitude of cyber and national security related activities).



Industry-leading local companies

- › TrustStamp - <https://truststamp.ai/>
- › Surevine- www.surevine.com
- › Ripjar - <https://ripjar.com/>
- › Northrop Grumman - www.northropgrumman.com/
- › Microsoft - www.microsoft.com/en-gb
- › Raytheon - www.raytheon.com/uk



5

Soft landing & local support

A cost competitive location and soft landing support packages to support your investment.

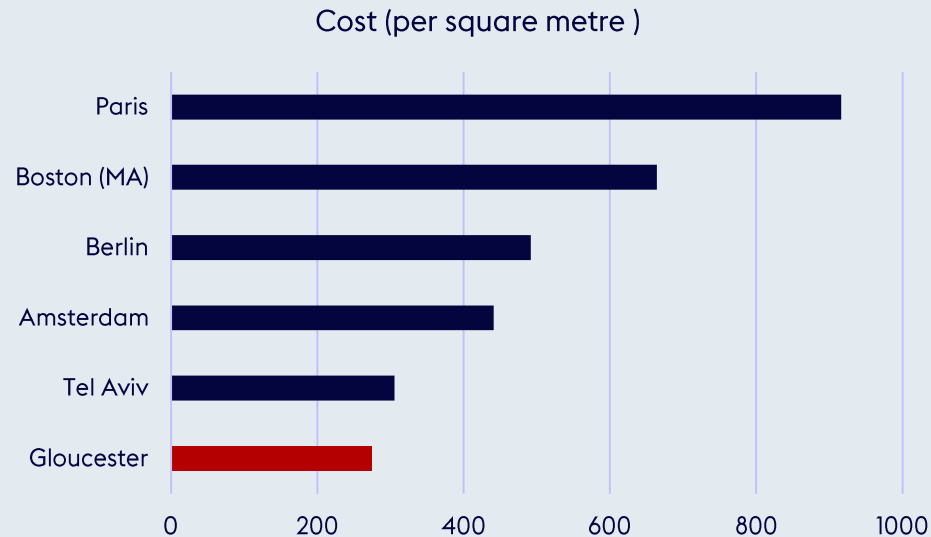
A competitive package against other leading global locations

Our industry insights identify key cost drivers for this industry. Gloucestershire provides:



Lower Office space costs

Gloucestershire offers some of the lowest cost A grade office space in the UK and is more competitive than other cyber security clusters globally.



GBP£ per square metre. European cities converted from €, American cities converted from US\$, Tel Aviv converted from ILS.



Cost Effective Salaries

Salary costs in Gloucestershire are competitively lower than other cyber tech clusters globally.

	Business Development Executive	Cloud Engineer	Security Engineer	Software Architect
Gloucester	£30,176	£61,171	£40,285	£71,172
Paris	£46,327	£98,809	£62,422	£122,247
Amsterdam	£51,729	£99,268	£66,556	£121,486
Berlin	£56,890	£96,949	£70,206	£112,026
Tel Aviv	£57,431	£102,713	£73,800	£133,686
Boston (MA)	£72,560	£134,492	£95,469	£173,287

Salary costs in GBP. European cities converted from €, American cities converted from US\$, Tel Aviv converted from ILS.



A place to thrive

Gloucestershire offers incubation and soft landing platforms with dedicated collaborative space for your business, industry and academia.

NCSC for Startups

While the Cyber Accelerator programme invited startups to take part in cohort-based activities over a fixed period of time, NCSC for Start-ups will involve the continual onboarding of companies and offers the potential for even greater collaboration than ever before. It's a transformative initiative between the NCSC and Plexal, in partnership with Deloitte, CyNam, Hub8 and QA. The aim is to bring together innovative startups with NCSC technical expertise to solve some of the UK's most important cyber challenges.

Cyber Security and Digital Innovation Centre; CII

A 16,000 sq ft/ 1,486 sq m purpose built office and conference areas with open and secure space and cyber forensic labs with high spec PCs. The facility hosts cyber and digital training programmes and events with technology demonstration zones and co-working and hot-desking spaces.

SGS Berkeley Green

Ideal venue for all types of events, including small workshops and large conferences with a wide variety of rooms available to rent, including classrooms, exhibition spaces, land, technical labs and cyber-security suites.

Hub8

In partnership with CyNam, Hub8 is a focal point for the cyber tech community, with circa 40,000 sq ft/ 3,700 sq m of innovative workspace in Cheltenham. Hub8 is home to over 500 members from 70 companies in the cyber tech sector. It features ultra-fast broadband and flexible memberships and is open to guests.

The Forum

The Forum is a new social and digital campus for Gloucestershire. It will contain more than 125,000 sq ft/ 11,613 sq m of versatile office space and include a shared workspace club and an innovation hub designed for emerging cyber businesses. It will also contain a 116-bedroom four-star hotel, a 9,000 sq ft/ 836 sq m gym, restaurants, shops, bars and cathedral view apartments. The Forum also incorporates The Forge, a 26,150 sq ft/ 2,430 sq m high tech and flexible working space.

Digital Innovation Farm

The £1.25 million Digital Innovation Farm at Hartpury University will include the National Centre for Agricultural Data Management and Interpretation. Based at Hartpury University's 360-hectare campus, it will assist the industry in its advancement of agricultural technology, data and security.





Join innovators in Golden Valley.

A unique district is emerging in the heart of Gloucestershire's cyber-tech ecosystem – ideal for creative entrepreneurs, start-ups and industry leaders to locate their businesses.

Golden Valley

The Golden Valley development, incorporating Cyber Central UK, is quickly developing into one of the largest innovation districts in the UK. Combining innovative living, working and visitor destination elements within a sprawling garden district, it is being positioned as the centrepiece to Gloucestershire's cyber and digital cluster – leveraging its adjacency to GCHQ/NCSC:

- › Backed by government and industry
- › A place for innovation and research
- › A unique blend of nature and smart technology
- › A living community
- › Core focus on sustainability and design

The development is poised to include up to 3,700 new homes, 2 million sq ft/ 185,806 sq m office space and one of the UK's National Cyber Innovation Centres.

www.goldenvalleyuk.com

Cyber Central Vision





Access a well-connected network of support

GFirst Local Enterprise Partnership (LEP) and local partners will work with you across your entire business journey.

GFirst LEP – Invest in Gloucestershire

Invest in Gloucestershire is the county's leading inward investment programme, helping international businesses to find investment opportunities in the region. It is a GFirst LEP driven initiative, run in collaboration with Gloucestershire County Council and the six local authorities.

GFirst Growth Hub Network

The Growth Hub is a Gloucestershire-wide network of business centres, where you can get free help and support to help you grow. As well as direct consultancy and advice, The Growth Hub also offers online events and workshops, and much more. There are two main avenues of direct business support at The Growth Hub:

- **Business Navigators:**

If you're in the first few years of trading and experiencing healthy growth, you can tap into the expertise of one of their Business Navigators. This team of highly-connected and experienced advisors are able to make the introductions and referrals that can change the direction of your business.

- **Business Guides:**

If you're a larger, or more rapidly growing business, then Business Guides can support you. The Guides are extremely experienced consultants who have worked with thousands of businesses over 20+ years. They bring their insight of big business to your boardroom table, and directly support you in projects, plans and strategies to help you scale up.





6

Government & sector support

A dynamic and flexible cyber security sector, underpinned by a supportive regulatory environment.

The UK wants to be at the heart of the next industrial revolution

The UK is a world leader in cyber security and associated industries and aims to build on this and become a global cyber super-power

National Cyber Strategy 2021

The National Cyber Strategy presents the UK's role as a responsible and democratic cyber power, protecting and promoting UK interests in and through cyberspace, alongside existing military, economic and political capabilities.

The Strategy commits **£2.6bn** of new investment to deliver five strategic objectives:

- › Strengthening the UK cyber ecosystem by investing in cyber skills, deepening partnerships between government, academia and industry, and strengthening UK cyber exports;
- › Building a resilient and prosperous digital UK by reducing cyber risks to users;
- › Taking the lead in the tech vital to cyber power by building industrial capability and security technologies critical to cyberspace;
- › Advancing UK global leadership and influence towards a more secure, prosperous and open international order and sharing UK cyber power expertise; and
- › Detecting, disrupting and deterring adversaries' malign use of technology.

Gloucestershire's Local Industrial Strategy

Gloucestershire's Local Industrial Strategy (LIS) aims to protect and enhance the many positive features that make the county a great place to live and work, by building on its strengths to address the challenges that we all face.

Companies can benefit from Gloucestershire's position as the 'cradle of cyber-tech innovation in the UK' by:

- › Drawing upon their local specialism of cyber and digital;
- › Building on their investment in 'Cyber Central' – a major new UK cyber-tech business park next to GCHQ, with support from the CyNam network of companies;
- › Generating growing numbers of spin-out businesses and a thriving cyber-tech business community;
- › Building on regional links with the wider 'Cyber Valley'.

National Security Strategic Investment Fund

The National Security Strategic Investment Fund (NSSIF) is the Government's corporate venturing arm for dual-use advanced technologies. It is a joint initiative between HM Government and the British Business Bank.

NSSIF invests commercially in advanced technology firms, alongside other investors, supporting long-term equity investment – 'patient capital' – and harnesses the Government's unique technology expertise. Its objectives include accelerating the adoption of HMG's future national security and defence capabilities and the development of the UK's dual-use technology ecosystem. people involved in Gloucestershire's digital tech sector.

Gloucestershire Infrastructure Investment Fund (GIIF)

GFirst LEP has been awarded £8.4 million from the Department for Levelling Up, Housing and Communities Growing Places Fund to set up a revolving infrastructure investment fund for Gloucestershire. This fund is designed to stimulate local economic growth by targeting investment to deliver the infrastructure needed to unlock constrained and stalled development sites, and help to realise potential development value, new jobs, housing and regeneration.



UK industry bodies can provide you with quick and easy links to suppliers and customers

Tech UK

The UK's leading technology membership organisation.

International Security Forum

Dedicated to resolving key issues in information security, by developing best practice solutions.

Information Systems Security Association

A community of choice for international cybersecurity professionals

Information Assurance Advisory Council
A Community of Interest working to identify and promote concerted actions to strengthen UK resilience to cyber attack.

UK Cyber Security Council
The UK Cyber Security Council develops and promotes recognised standards for cyber security, in support of the Government's National Cyber Security strategy.

UK Cyber Security Association
Promotes understanding and knowledge of cyber security issues for industry, organisations and interested individuals.

ADS

Represents and supports over 1,100 UK businesses operating in the aerospace, defence, security and space sectors.

UKRI

UKRI convenes, catalyses and invests in close collaboration with others to build a thriving, inclusive research and innovation system.

Tech Nation

A national network for ambitious tech entrepreneurs.

UK Cyber Cluster Collaboration (UKC3)
UKC3 acts as a voice for the Cyber Cluster network, engaging with others to inform/support the UK cyber strategy with a regional perspective.

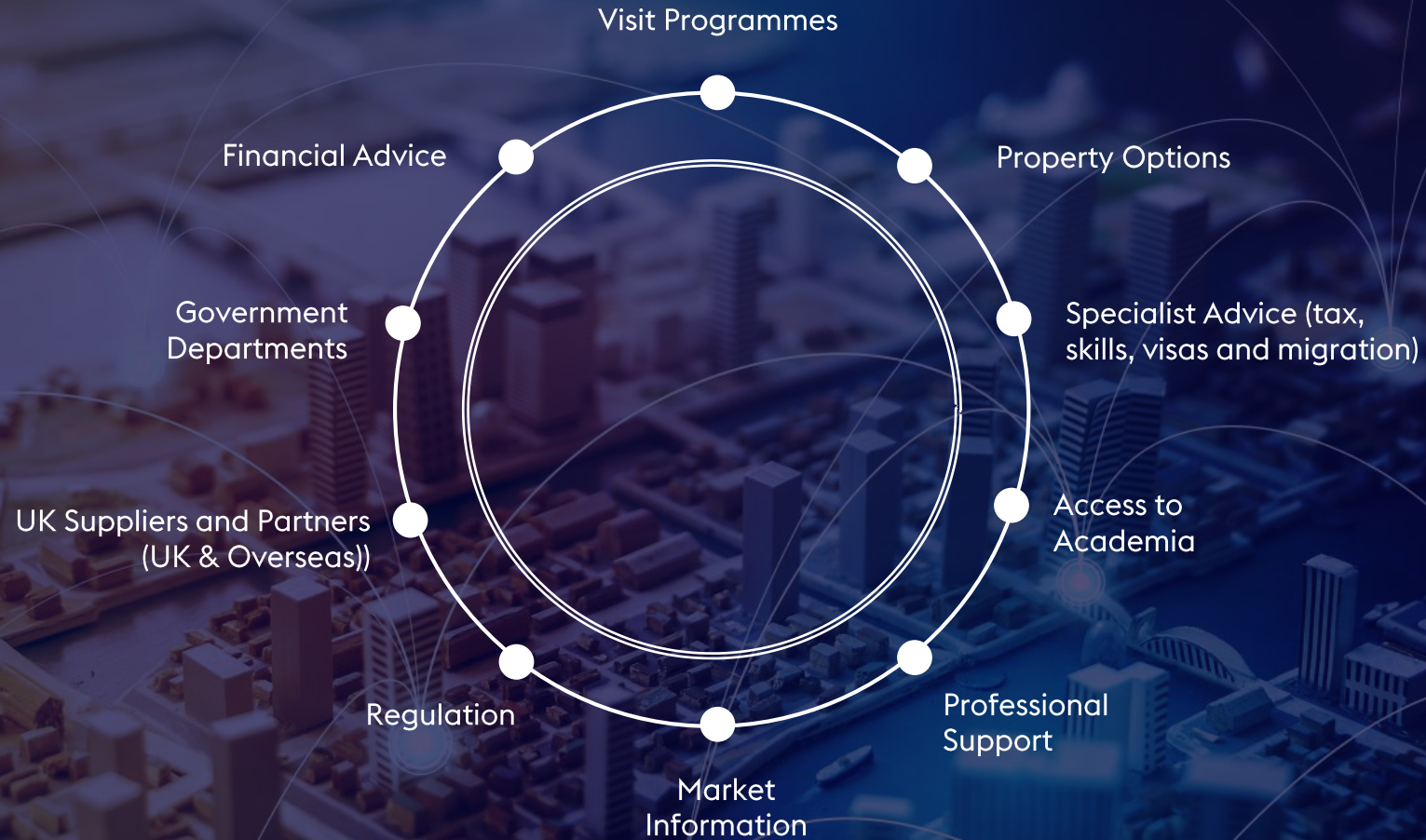
IET

The IET is one of the world's largest engineering institutions with 169,000 members across the globe.

BCS, Chartered Institute for IT
BCS, The Chartered Institute for IT, promotes social and economic progress through the advancement of IT science and practice.



Benefit from the right support from local partners and Government to ensure a seamless investor process



Real companies. Real experience. Real value.



7

Case studies

Join companies which have demonstrated ongoing success in the UK cyber security cluster



Global energy companies like Shell can better provide the products and services that are essential to our society with the help of a business ecosystem, enhanced by AI, which can help reduce the number of steps it takes to conduct due diligence and detect risks through continuous real-time monitoring of the supply chain.

Jeremy Annis, CEO,
Ripjar.



RipJar is a Cheltenham based data intelligence company founded in 2013 by five former employees from GCHQ. The company is a leading provider of data intelligence software, developing products that combine automation, artificial intelligence, and data visualisation to help companies manage their exposure to financial crime.

Utilising proprietary AI technology, Ripjar's software, Labyrinth, uncovers new risks and reduces false positives by more than 90%. Labyrinth enables human analysts to make better informed decisions with speed and accuracy, saving significant cost and time for its clients.

The company has proved successful at sourcing investors, raising £28 million in its series B funding. The business has further doubled in size during COVID-19 and has expanded its product offering.

Read more case studies

[Ripjar](#)[Surevine](#)[TrustStamp](#)



Surevine loves Gloucestershire because the roots of its cyber ecosystem go deeper than anywhere else in the UK, providing the most fertile soil possible to grow a cyber business.

Stuart Murdoch , CEO, Surevine.

Surevine builds secure, scalable collaboration solutions for the most security conscious organisations worldwide; joining people up and enabling collaboration even on their most sensitive information. Surevine were pioneers, spinning their startup out of GCHQ in 2008. Those roots have enabled them to rapidly innovate, developing products and services with an immediate product-market fit resulting in them being described as a “leading UK cyber company” by a former UK Prime Minister.

Their Threatvine platform powers the UK's National cyber security information sharing partnership and has attracted interest globally from Japan to Brazil. Their Jodami platform gives back control of the conversation to organisations, enabling voice, video and chat collaboration on their most sensitive information. It won the UK IT Industry and UK Government Cyber Innovation of the Year Award in 2020.

Surevine were setup to work as a distributed organisation from the outset with engineers spread across the UK. They have retained a concentration in the South West and, in addition to a London hub, in 2020 shifted their South West presence to Hub8 in Cheltenham.

Surevine’s roots are in Cheltenham and they are keen supporters, mentors and advisors to other cyber start-ups up establishing within the ecosystem as well as scaleups or established businesses looking to benefit from being a part of it. Surevine, in turn, continue to benefit from the their presence in Cheltenham, and believe the mutually supportive ecosystem characterises what is unique about CyberCentral.



Read more case studies

Ripjar

Surevine

TrustStamp



Trust Stamp loves Gloucestershire because of its wonderful growing cyber community. In the 2 years that Trust Stamp has been in Gloucestershire we have connected with multiple growing companies because of its thriving ecosystem. We continue to stay in contact with many of the companies we met through the NCSC Cyber Accelerator and benefit from these connections.



TrustStamp is a US and UK tech start-up working on biometric authentication. It is located in Cheltenham and has an active presence in the Hub8 incubator.

In 2019 it joined the GCHQ/NCSC Accelerator Programme as part of the fourth cohort of start-ups. Its participation provided lots of opportunities for the company and has acted as a platform for their growth. This included access to invaluable cyber security mentoring from NCSC and attending a hosted trip to Silicon Valley to meet with RSA Security. Here, the company had coaching with Lean-Start up pioneer, Steve Blank.

The resulting growth in the company has been rapid and significant, with the business able to leverage the rich base of cyber security people and services in Gloucestershire. As a result, Trust Stamp has established a team of 11 based out of Cheltenham.

The company expects to recruit locally, tapping into the supply of cyber and tech specialists. It also intend to make a long-term commitment to partnering within the ecosystem and be a valuable contributor to Gloucestershire and Cheltenham's burgeoning cyber reputation.

Read more case studies

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Department for International Trade

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