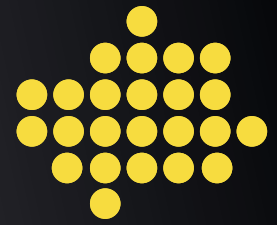


INWARD INVESTMENT OPPORTUNITY

in Dorset



CYBER SECURITY

Overview

In today's increasingly digitised society no business is immune from cyber security risks. Computer hacks, data breaches and technology-based interruptions cost businesses time, money and reputation. 43% of UK businesses suffered cyber security breaches in the last 12 months including fraudulent emails, online



impersonation, viruses and malware, stolen money, assets or intellectual property, loss of files or personal data and software or systems corruption¹.

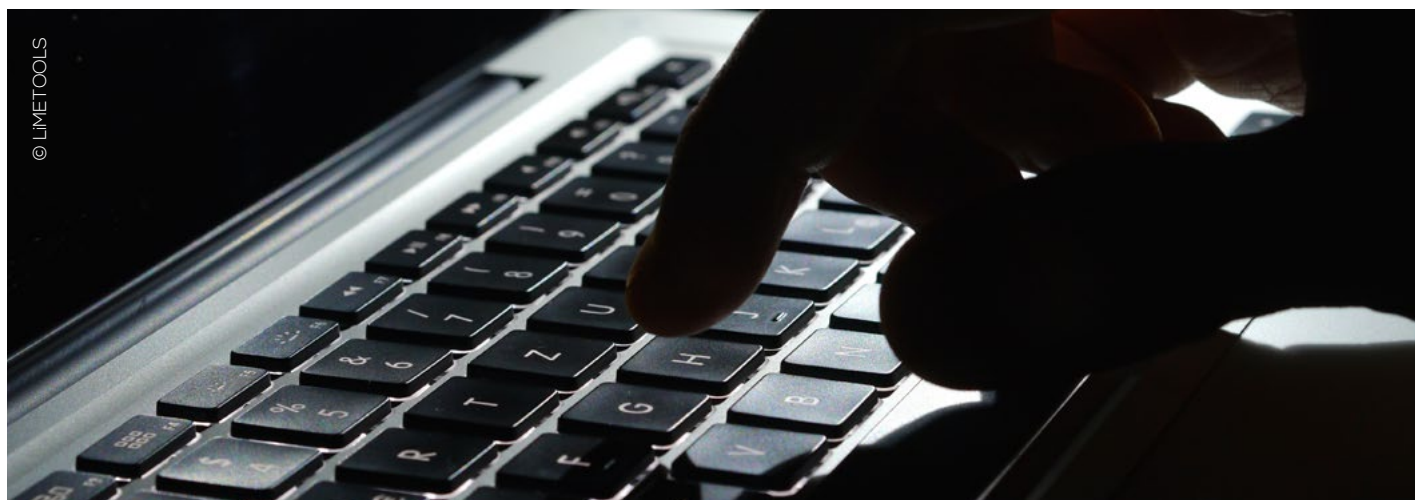
The opportunity

While technology advances (e-commerce, mobile payments, cloud computing, Big Data and analytics, Internet of Things, artificial intelligence and machine learning) are a key driver to economic growth, they also mean users and businesses are increasingly exposed to cyber attacks. While many organisations invest money protecting their systems, networks, and programs, a significant proportion of businesses still do not have basic cyber security protection in place. 70% of UK businesses think staff dealing with cyber security are capable of doing so, but only 20% have cyber security training or cyber security policies in place (27%)². This presents an exponential opportunity for organisations offering services that combat cyber crime, with global spending on security awareness training courses alone predicted to reach \$10 billion by 2027².

Cyber Security in Dorset

The South East and South West have been identified as the UK's largest regional cyber security cluster³. Set on the UK's south coast, Dorset is a fast-growing cyber security hub offering specialist business support and solutions. It presents a compelling location and a highly-networked industrial ecosystem for businesses wanting to take advantage of commercial opportunities associated with cyber security. Significant cyber product and service-based companies have already established their presence here. **Dorset Cyber Alliance** is a ground-breaking partnership helping businesses reduce cyber risks and create safe and secure environments to trade and operate from. The region also benefits from a strong university presence providing access to highly sought-after research and skilled cyber professionals.

¹ Cyber Security Breaches Survey 2018 ² 2019 Cybersecurity Almanac ³ DMCS UK Cyber Security Sectoral Analysis and Deep-Dive Review, June 2018



BUSINESS SUPPORT FOR DORSET'S CYBER SECURITY ECONOMY



DCA.

DORSET CYBER ALLIANCE

DORSET CYBER ALLIANCE (DCA)

dorsetcyber.co.uk

DCA combines international expertise with local knowledge of cyber security implementation. Members include business leaders, public service managers, academics and interested citizens.

Strategic partnerships have been formed with:

- BCP Council
- Bournemouth University Cyber Security Unit
- Dorset Chamber of Commerce & Industry
- Dorset Engineering Manufacturing Cluster

- Dorset Growth Hub
 - Dorset LEP
 - Dorset Police Cyber Unit
 - Silicon South
 - Wessex Entrepreneurs
- and representation from the private sector.

Its work focuses on:

- integrating small businesses with, and educating them about, best cyber practice
- facilitating larger businesses engagement with Dorset's cyber sector commercial offering



DCA'S LARGE BUSINESS FORUM

DCA includes large local businesses such as AFC Bournemouth, Barclays, BCP Council, ESET, Hays, LV=, RNLI, Siemens, Stackhouse Poland and Vitality. The forum:

- raises the profile of cyber
- encourages awareness of potential risks for employees and customers
- considers future cyber talent pipelines matched to current and emerging business needs
- contributes to a national knowledge exchange on corporate cyber security practice
- encourages dissemination of good cyber security practice across Dorset, future proofing communities ahead of regulatory releases, major threats and incidents
- oversees a national cyber business conference
- runs sector focused cyber-aware workshops (creative, financial, engineering and manufacturing)

DCA'S SMALL-TO-MEDIUM ENTERPRISE (SME) BUSINESS HUB

DCA has established a specialist hub for SMEs providing:

- access to specific cyber security best practice and issues
- an open resource of cyber security information
- advice and a proactive approach to cyber threats
- vulnerabilities audits and areas for improvement
- an SME enquiry / help desk function, workshops and events

SOUTH WEST REGIONAL ORGANISED CRIME UNIT

swrocu.org.uk

Based in the South West, this cyber-crime unit works in collaboration with the five local police forces across the region and was established to tackle cyber dependent crimes (e.g. network intrusion, ransomware and denial of service attacks) and their impact on businesses, groups, charities and critical national infrastructure organisations. The SWROCU works with Dorset Police Cyber Crime Unit to ensure effective investigation of cyber dependent crime in Dorset. In addition to this, as part of the national Cyber Protect network, Dorset Police Cyber Crime Unit is available to assist businesses, charities and community groups with free and impartial cyber security advice.



Bournemouth University (BU) Cyber and IoT Labs:

Bournemouth University runs world-class cyber security courses using state-of-the-art technology. BU has recently invested in the following relevant and significant infrastructure:

The Open Innovation Lab at BU supports research on Internet of Things as a key technological enabler for open innovation, collaboration and co-creation. It is a well-equipped lab with more than 130 IPv6-enabled sensor motes (RE-MOTES by Zolertia and SensorTags by TI), 5 IoT edge routers (Orion routers by Zolertia), 100 Raspberry Pi's, one server and 20 workstations. The lab is used both in research and teaching activities.

Campus Network Refresh Project: BU has recently made a multi-million pound investment in network infrastructure, where one of the largest campus SDN infrastructures in Europe is being deployed utilising CISCO's reference SDA architecture, covering wired and wireless connectivity.

Three cyber security laboratories (namely red, blue and white) for education and research purposes. These labs are set up to allow a number of isolated or interconnected network configurations. This provides the researchers with the ability to run experiments and study a wide range of infrastructure scenarios. The hardware specifications of the workstations allow the execution of multiple virtual and physical environments running concurrently. This is in line with the hyperconverged infrastructure paradigm.

Bournemouth University is also a partner in a project to create a cyber security network across the European Union. The ECHO project (European network of Cybersecurity centres and competence Hub for innovation and Operations) is one of four pilot projects, launched by the European Commission, to establish and operate a cyber security competence network. It aims to deliver an organised and coordinated approach to strengthen proactive cyber defence in the European Union, through effective and efficient multi-sector collaboration.

DCA'S CYBER PROFESSIONALS FORUM

This group of cyber professional service companies offers significant expertise, networking, trend analysis and specialist consultancy. The group:

- supports businesses seeking international and national security accreditation
- triages on-demand requests for bespoke assistance
- hosts regular training 'live' webinars and publishes downloadable training tools
- continuously maps business cyber vulnerability trends in the region
- ensures quality and regulatory compliance with an increasing number of cyber support businesses in the region

and offers expertise in:

- cyber security technology
<https://www.eset.com/uk/>
- cyber security training
<https://www.c3ia.co.uk/>
- cyber security recruitment
<https://www.electusrecruitment.co.uk/>
- psychology and behavioural change
<https://www.limetools.biz/our-products>



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DORSET – A HIGHLY DESIRABLE AND DYNAMIC PLACE TO LIVE AND WORK

- Thriving economy – £17 billion GVA
- Growing population – 795,000+
- 47,000+ businesses
 - » Low churn and high survival rates compared with the rest of the UK
- City region encompassing Bournemouth, Christchurch and Poole
- Third largest financial sector in the UK after London and Edinburgh
- Second largest international education sector outside of London
- High levels of skills, qualifications and disposable incomes
- Low unemployment
- Outstanding coastline and countryside
- A superb quality of life – acting as a magnet for skilled people



Endorsement from Dorset's Cyber Professionals:

ESET

Based in Bournemouth, ESET UK offers cyber security technology for businesses and consumers. The global brand has over 110 million users in 200 countries and territories.

"We've been based in Bournemouth for over 20 years. It's an energetic, dynamic and well-connected environment and an excellent location for our operations. Its growing presence as a cyber security region makes it an exciting place to work."

Malcolm Tuck, Managing Director, ESET UK

Electus Recruitment

Headquartered in Bournemouth, Electus Recruitment specialises in cyber security recruitment, delivering permanent and interim cyber resource and capability to public and private sector organisations.

"Bournemouth is the perfect place to base our business from. The area's reputation as a thriving cyber security centre with its high skilled workforce and a tailor-made cyber talent pool from Bournemouth University means that we have a high calibre talent pool to draw on. Our aim is to help local startups and established organisations to attract, hire and retain digital and cyber talent."

Andrew Little, Client Relationship Director, Electus Recruitment

LIMETOOLS

Bournemouth-based LIMETOOLS' Psyber division focuses on combating human error linked to cyber attacks. It offers a range of learning tools to promote sustainable behaviour change in staff and management's approach to cyber threats.

"Dorset has an impressive offer for cyber security professionals. It combines a high-quality lifestyle with excellent cyber and business network collaboration and cross-cluster activity; there is a pipeline of skilled workers emerging from apprenticeships and the universities locally, and a fantastic technical hi-speed infrastructure in which we can operate. Although we work globally, we love being based here and recommend the area to prospective investors as an excellent place to establish cyber based businesses."

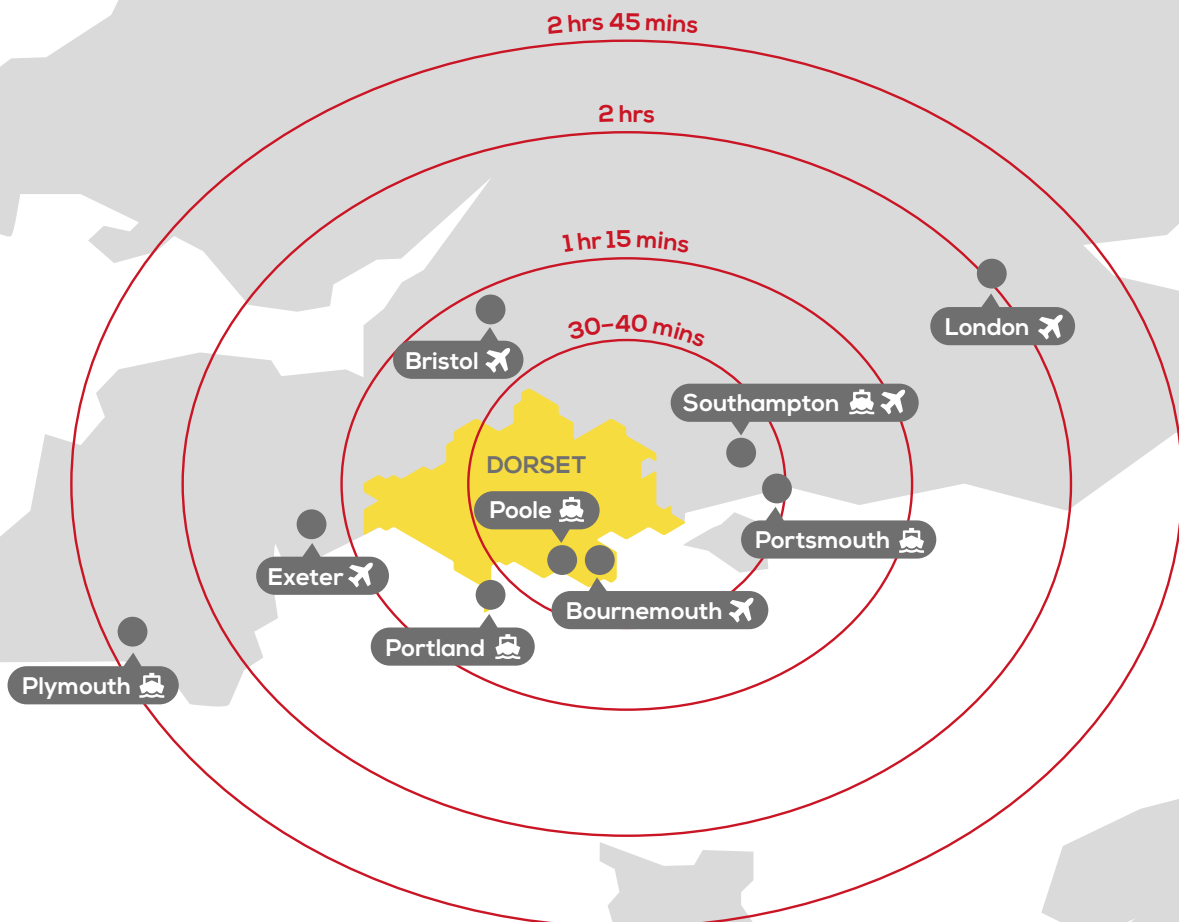
Megan Pleva, Business Development Executive, LIMETOOLS



Connectivity

Dorset is situated centrally on the UK's South Coast and is exceptionally well-connected locally, regionally and globally.

- Bournemouth Airport offers domestic and international flights to major cities within the UK, Europe and worldwide
- Direct train services to London Waterloo
- 90 minutes' drive to the M25 and London's Heathrow Airport
- Good access to the West via the A31 and to the East via the M27 and M3 south coast motorway network
- Ports at Poole and Portland



For further information:

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