

## East of England

**CAMBRIDGE** offers highly-skilled tech capabilities and an impressive support community. This long-established cluster – home to one of the world’s great universities – is the birthplace of 15+ tech companies now worth over \$1 billion, including chip-maker ARM holdings. It also displays specialisms in **AI** (Artificial Intelligence), **cloud computing**, **communications**, **cyber security**, **data analytics** and **electronic systems**.



## London and South East

**LONDON** is Europe’s undisputed tech capital with specialisms in **AI**, **cloud computing**, **communications**, **cyber security**, **data analytics** and **electronic systems**. It has the UK’s highest number of tech employees, initial public offering (IPOs) and Unicorns (14). Support for the London tech scene comes from a wide range of venture capital firms, plus over 50 incubator and accelerator options, including Microsoft Ventures, Wayra, Seedcamp, TechStars, Future Fifty, and The London Stock Exchange’s ELITE.

**BRIGHTON’S** large digital creative industry has helped to establish it as a leading specialist tech cluster. It is particularly strong across digital media, software development and data management & analytics. It also boasts the largest digital workforce within non-digital industries.

**OXFORD** is a major research hub and has produced many highly successful startups, including Sophos, which had the largest UK IPO ever in 2015. It also offers expertise in **AI**, **cloud computing**, **cyber security** and **data analytics**.

**READING AND BRACKNELL** is a leading cluster with a large technology workforce and specialisms in **cloud computing** and **data analytics**.

**SOUTHAMPTON** posted an impressive 180% growth in average turnover between 2010 and 2014, and over 80% of its tech businesses and communications are trading overseas. A rapidly growing cluster, its specialisms include **cyber security** and **data analytics**.



## Scotland

**DUNDEE** has growing specialisms in hardware, app and software development. Tech startups YoYo Games and Brightsolid have joined established powerhouses DC Thomson and NCR.

**EDINBURGH**, with specialisms in **AI**, **cloud computing**, **data analytics** and **electronic systems**, is home to billion dollar unicorns Skyscanner and Fanduel, along with rapidly growing startups like TV Squared and Administrate. International tech companies, such as Amazon, Cisco, Oracle, Microsoft and IBM, all have bases in Scotland’s capital. Its university offers a CDT in Data Analytics and holds an international reputation for artificial intelligence, as well as the biggest informatics department in Europe.

**GLASGOW** is transforming from an industrial powerhouse into a leading technology cluster. The city provides a launchpad for a new breed of startups including Rookie Oven. Other top companies thriving in the city include STV and the BBC, along with JP Morgan and Morgan Stanley. Glasgow’s also home to Entrepreneurial Spark, the UK’s largest accelerator programme. **Cloud computing** is a key specialism.



## Northern Ireland

**BELFAST** is Northern Ireland’s leading technology cluster. The industry contributes 5.4% GVA to the region’s economy – the second highest proportion in the UK – and the cluster has a specialism in **cyber security**. Local support is delivered through INI programmes and via the Propel accelerator.



## Wales

**CARDIFF, SWANSEA & NEWPORT** are home to Wales’ chief tech cluster. There are emerging specialisms in **cyber security** and **communications**. Startups to watch include Pwinty, Veeqo and Noddlepod.



## The Midlands

**BIRMINGHAM** is one of the top five employers of technology talent. The UK’s second city may have a history of advanced manufacturing, but it’s now a startup centre with specialisms including **cloud computing** and **cyber security**.

**LEICESTER** is moving on from its history in textiles, hosiery and manufacturing. It now has a flourishing creative tech sector, and IBM also recently located their Client Innovation Centre in the heart of the city.

**WORCESTER AND MALVERN** has the highest concentration of **cyber security** products and service companies in the UK (+80), influenced by its close proximity to GCHQ in Cheltenham, QinetiQ in Malvern and SAS in Hereford.



## South West

**BOURNEMOUTH AND POOLE** form one of the top 10 clusters in the UK for employment growth and have the third highest density of tech businesses. Key employers include JP Morgan, Ageas & LV.

**BRISTOL AND BATH** is home to 60,000 digital workers specialising in communications, cyber security and electronic systems. Aardman, JUST EAT, IMDb, Oracle, IBM, Sony and Hewlett Packard all form part of a strong cluster ecosystem.

**EXETER** is putting tech at the heart of its economy, showing exceptionally strong recent growth and scoring highly for productivity. It is also the home of Crowdcube, the world’s first investment crowdfunding platform.



## Yorkshire & Humberside

**LEEDS** has over 3,500 tech organisations within its cluster, with specialisms including data analytics and healthcare.

**SHEFFIELD AND ROTHERHAM** offer proven expertise in **data analytics** and **communications**. The cluster has a strong support network, with organisations like Dotforge delivering tech-for-good accelerators across Sheffield, Leeds and Manchester.

**HULL** has established expertise in software and hardware development. Its growing strengths include **data analytics**. The strong digital infrastructure provided by the KCOM Group has been key to the success of Hull’s diverse digital tech businesses, like Trident and Sypro.



## North West England

**LIVERPOOL’S** Baltic Triangle, with its tech industry focus, is enjoying a growing reputation as a dynamic hub for entrepreneurs.

**MANCHESTER** has established itself as one of the top five clusters in the UK, with strong growth and digital employment over 50,000. **Cloud computing** and **electronic systems** are specialisms. It was recently awarded £10 million as Innovate UK’s IoT City Demonstrator (in partnership with Cisco), and is home to a Dotforge Accelerator.

## North East England

**NEWCASTLE AND DURHAM** goes from strength to strength, with software-developer Sage driving employment and innovation in the area. A high-quality talent pool coupled with good support from co-working space Campus North, angel-led accelerator Ignite, and venture capital firm Northstar Ventures means technology is on the rise.

**SUNDERLAND** has seen tech employment rise by 17% since 2010. Expertise in **communications** is supporting a long-standing specialism in software development.



# World-class clusters, nationwide

From London's status as Europe's tech capital to Worcester and Malvern's cyber valley (developing world-leading cyber security) to Scotland's expertise in app and software development, all across the UK our tech industry is making an impact on the global stage. Discover the distinctive tech regions of one of the most innovative nations on earth.

100km 

## Northern Ireland

**Belfast**

With specialisms across a range of sectors, tech is a significant contributor to the region's economy.

## North West England

**Liverpool • Manchester**

Dynamic cities, quality universities and strong support networks are accelerating the region's tech scene and its specialisms in cloud computing and electronic systems.

## Wales

**Cardiff • Swansea**

A dynamic and emerging hotbed of communications and electronic systems.

## South West

**Bristol • Bath • Bournemouth • Poole**

This region is a significant player in the UK technology industry with specialisms in communications and cyber security.

## Scotland

**Dundee • Edinburgh • Glasgow**

Dundee and Edinburgh have helped establish the Scottish tech industry, with obvious strengths in AI (Artificial Intelligence), cloud computing, data analytics and electronic systems.

## North East England

**Newcastle • Sunderland**

Excellent universities and a skilled workforce are helping turn an emerging tech region into a powerful proposition. Cyber security and electronic systems are regional specialisms.

## Yorkshire & Humberside

**Leeds • Sheffield • Rotherham • Hull**

A rich heritage is allied with strong university networks to make these counties emerging tech hotspots. AI is a regional specialism.

## The Midlands

**Birmingham • Leicester • Worcester**

The birthplace of the Industrial Revolution now allies specialisms in cloud computing and cyber security with its traditional strength.

## East of England

**Cambridge**

With Cambridge at its heart, this important region is renowned for encouraging new ideas and launching successful startups.

## London and South East

**London • Brighton • Reading  
Bracknell • Southampton**

With London at its centre, the South East is a world centre for many tech specialisms and a reputation for developing new ideas and launching successful startups.

