



ICT and Telecoms underpins all industries in the region. The size of the workforce can be difficult to quantify as it includes those who work directly for ICT and Telecoms companies and also those who work in an ICT or Telecoms role but outside of the industry. There are also many people whose work is mainly IT based or are working in the creative digital industries but who are not classed as IT professionals.



It is estimated that in the UK as many as 862,700 people work in IT & Telecoms products and services and 673,900 work as IT & Telecoms professionals for organisations outside the IT & Telecoms industries<sup>1</sup>.

There are approximately 105,000 enterprises in the UK offering IT and Telecom products and services. 92% of these enterprises are IT and 8% are Telecoms. 44% of enterprises are located in London and the South East. The number of people employed in the sector and those employed in IT occupations are predicted to increase by 2.5%, compared to 0.5% for the UK workforce<sup>2</sup>.

## Large Employers

Accenture;	Cisco	Fujitsu
Capgemini;	Cognizant	IBM
CGI;	FDM	Infosys
Microsoft;	Tata Consultancy Services (TCS)	

## Telecoms Employers

- BT <http://www.btplc.com/careercentre/>
- Virgin Media <http://careers.virginmedia.com/>
- Sky <http://www.workforsky.com/>
- Telefonica <http://www.telefonicaando2careers.com/gb/>



## IT & Digital Employers

- Aspire Technology Solutions <http://www.aspirets.com/>
- Accenture <http://careers.accenture.com/gb-en/Pages/index.aspx>

<sup>1</sup> E-Skills presentation Feb, 2014

<sup>2</sup> <http://www2.warwick.ac.uk/fac/soc/ier/ngrf/lmifuturetrends/sectorscovered/itandtelecoms/sectorinfo/>

- Sage <http://www.sage.co.uk/careers/index.html>
- Waterstons <https://waterstons.com/careers>

### Telecoms Job Search

- <http://www.telecomsjobs.co.uk/>
- <http://www.justengineers.net/>
- <http://www.theitjobboard.co.uk/>
- <http://www.technojobs.co.uk/>

### IT & Digital Job Search

- <http://www.itjobswatch.co.uk/>
- <http://www.computerweekly.com/>
- <http://www.computing.co.uk/>
- <http://www.bcsrecruit.com/>
- <http://www.theitjobboard.co.uk/>
- <http://www.cwjobs.co.uk/>

### For more information contact:

- Sector Skills Council [www.e-skills.com](http://www.e-skills.com)
- Fibre Optic Industry Association [www.fia-online.co.uk](http://www.fia-online.co.uk)

Other industries that employ large numbers of IT professionals include:

- Financial services - companies such as JP Morgan, Barclays, Citigroup and Morgan Stanley;
- Manufacturing - opportunities exist in multinational engineering companies in the oil, pharmaceutical, automotive and energy industries;
- Public sector - which includes local authorities, central government and the NHS;
- Retail - major retailers including Tesco, John Lewis and The Co-operative;
- Games development - many large companies, such as Sony, Rockstar and Square Enix have studios in the UK. Other companies in the games industry include developers such as Codemasters, Rebellion, Sports Interactive and Crytek.

Many small to medium-sized enterprises (SMEs) in the ICT industry provide a range of specialist services, particularly in consultancy and technical roles.

### Examples of Jobs in ICT & Telecoms

- IT Operations Technician
- Telecommunications Engineer
- Helpdesk Professional
- Line repairer and Cable Jointers
- Database Assistant
- Computer Engineer
- Games Developer
- Web designer

### Typical Hours of Work

Working patterns will depend on the role you are doing and the company that you work for. Typically, people in this sector work from 9am to 5pm, Monday to Friday. You may also have on call duties to meet the needs of the business.

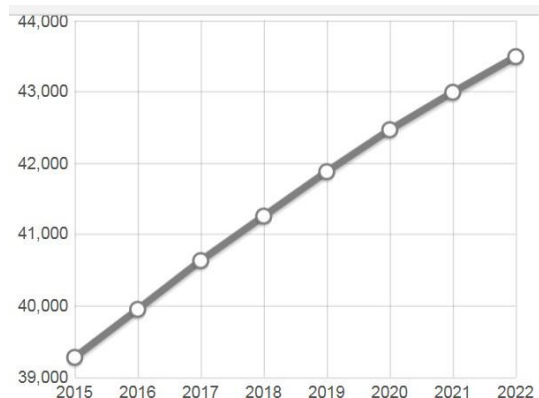
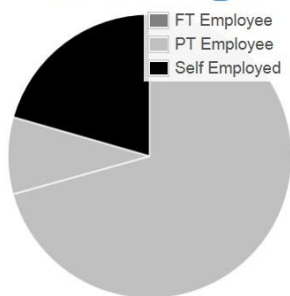
### Outlook for South East region for Information technology and telecommunications professionals

#### Employment growth in the South East

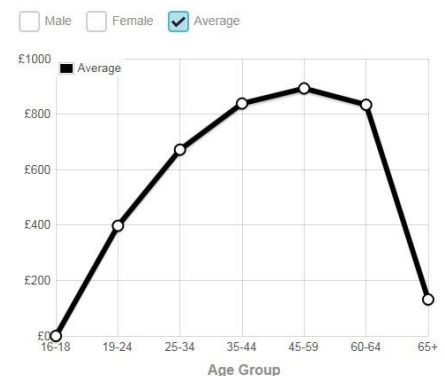
The South East encompasses Berkshire, Buckinghamshire, East Sussex, Hampshire, the Isle of Wight, Kent, Oxfordshire, Surrey and West Sussex. Our region (South Central) overlaps with the South East as a whole.



Status in 2022 i



Estimated Weekly Pay i



Brighton and Hove has grown into one of the UK's most successful digital technology clusters. There was a 91% increase in new digital companies incorporated in Brighton and Hove between 2010 and 2013. Bournemouth and Poole is one of the UK's fastest-growing digital clusters with an increase of 212% in new digital companies between 2010 and 2013. Digital employment has now risen to over 7,000<sup>3</sup>.

#### In the UK

- 129,000 new recruits are required each year into the IT & Telecoms professional workforce. More specifically, 67% of the available IT jobs will be for managerial/senior professionals, including software experts but mainly ICT managers and IT strategists/planners; 17% will be for technicians (operations, support), 8% will be for skilled tradesmen (telecoms/computer engineers). The remaining 8% of IT jobs will be for administrative techies, such as database assistants.<sup>4</sup> □ 745,000 additional workers with digital skills will be needed over the period 2013-2017<sup>5</sup>.

<sup>3</sup> [www.techcityuk.com/](http://www.techcityuk.com/)

<sup>4</sup> [http://www.contractoruk.com/news/0010627uk\\_it\\_needs\\_129000\\_newbies\\_year\\_until\\_2020.html](http://www.contractoruk.com/news/0010627uk_it_needs_129000_newbies_year_until_2020.html)

<sup>5</sup> <http://cdn.news.o2.co.uk.s3.amazonaws.com/wp-content/uploads/2013/09/The-Future-Digital-Skills-Needs-of-the-UK-Economy1.pdf>

March 2016

- Employment growth rates for the ICT sector are expected to increase by 1.4% per year whereas the Telecoms industry is expected to decrease by 0.9% per annum<sup>6</sup>.
- The IT industry has a skills shortage relating to cyber security. This is considered a growth area as businesses take action to protect themselves and their customers.

According to “Technology Insights 2012”<sup>5</sup> there are some specific technologies that are emerging in the digital sector:

### **Cloud Computing**

*Internet-based computing, where different services (such as servers, storage and applications) are accessed through the Internet. IDC noted that between 2012 and 2015, over 220,000 jobs will be created through cloud computing in the UK<sup>7</sup>*

### **Green IT/ Environmental Computing**

*Minimising the environmental impact of IT from design through to disposal, energy/power consumption, including roles in environmental impact assessment*

### **‘Big Data’**

*Requiring skills in data modelling and simulation. Organisations hold massive volumes of data about people that is difficult to process using traditional databases and software. For example, if a supermarket wants to use information to target customers with a special offer they need analysis of the information they hold about sales records, transactions, loyalty cards, online shopping and digital video systems. To do this, staff will need skills in areas from mathematics to programming, and from psychology to server maintenance*

### **Security and Data Protection**

*Fixing the vulnerabilities of system infrastructure. Many organisations are hiring specialists to ensure they meet their data security obligations*

**Careers Practitioners in schools can access this factsheet and many other resources on our Supporting Inspiration website. If you are a Careers Practitioner and would like to gain access to these resources please email [inspirations.sc@ncs-cfbt.com](mailto:inspirations.sc@ncs-cfbt.com) to request a log-in.**

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<sup>6</sup> <http://www.e-skills.com/research/research-publications/insights-reports-and-videos/technology-insights-2012/>