digital space

The biggest technology trends in 2022

In our latest whitepaper, we take a look at the technological trends and solutions expected in 2022.

The biggest technology trends in 2022

2022 is set to be a great year of technological change and innovation for businesses, from the rise of 5G to the critical PSTN Switch Off. Technology will enable organisations to remain effective and catapult productivity to higher levels, to ensure competitive advantage and value.

We take a look at some of the trends and innovations expected to digitally transform and impact businesses in the coming year.

PSTN Switch Off

One event on the horizon that businesses will need to be aware of and start working towards if they haven't already done so is the Big PSTN Switch Off, which will see traditional telephony, including fixed lines and services, in the Public Switch Telephone Network (PSTN) switched off and withdrawn from service. This will make way for all UK phone lines to become completely digital by 2025 in order to accommodate IoT and the high demands of 21st-century communications.

This will affect many thousands of businesses (and consumers) across the UK as well as millions of lines and the services and devices which use PSTN/ISDN for connection. This change is a major upgrade of our national infrastructure and as such requires significant planning and preparation ahead of the 2025 deadline. For further support and help, click here.

The 5G revolution

The advancement of 5G will become ever more dominant in its level of function within businesses and how they operate. In the UK, there's now an average of 25 IoT devices per home and organisations will look at deploying 5G to support the high level of connectivity required to facilitate each device.

5G technology is an incredible leap in connectivity, with much faster speeds and ultra-reliability. It is 100 times faster than the current speed provided through 4G. Preparing for 5G while it is still in its infancy will allow businesses to gain a competitive advantage over their competitors in the market, as they will be equipped to provide employees and customers with greater connectivity, productivity, and security.

It is becoming a foundational component for the utilisation of many innovative technologies, and without the capabilities of 5G, many organisations may find themselves left behind beyond 2022.

SD-WAN capabilities

With PSTN Switch Off and 5G becoming a prominent consideration for businesses in 2022, SD-WAN will be a vital component for supporting these considerable network changes. This is because increased data usage and cloud-based applications can all overwhelm a WAN, but SD-WAN has proven to support cloud capabilities and the growing demand in service requirements.

An SD-WAN (Software-Defined Wide Area Network) solution is the next generation of WAN technology. It is an overlay to an existing network that provides complete control and visibility regardless of where the traffic originates. But SD-WAN offers so much more than functionality. It provides accurate data that enables decision-makers to steer the organisation towards greater efficiency, which in turn, reduces overheads and increases productivity. It will have a significant role to play in meeting demand and facilitating an influx of innovation that has surely been stimulated by the aftermath of the pandemic.

Artificial Intelligence

Out of the many technological developments changing the business world, AI (Artificial Intelligence) is one of the most important. Many components of AI will play a part in developing business growth and improving productivity across operations, by handling tasks at scale and pace, of which a human cannot match. This is of significant value to organisations as employees can focus on higher-value tasks rather than slow, mundane projects.

Through the conception of AI, there will be an improvement in productivity. This ultimately means that many businesses will see an acceleration in growth. This is due to hyper-automation, which automates any repetitive task through AI and machine learning. It is built to recognise and automate great quantities of business and IT processes, such as automated forecasting and restocking, data analysis, and document processing, saving time and money for businesses.

Cyber Security

With considerable digital innovation expected in 2022, advanced security solutions will be critical. As hybrid working continues to rise, threat actors will continue to target business systems, adapting their approach to benefit from change and disruption. Cybercriminals are becoming increasingly clever with targeting strategies, and employees working from home are more vulnerable to security threats.

As more businesses consider SD-WAN, SASE (Secure Access Service Edge) will be the next logical step in security and protection. This is because SASE combines SD-WAN capabilities with security, delivering them through a single service and network. It allows organisations to provide access to data, applications, and devices wherever your employees are, but with a greater grasp on security, support hybrid working, and ensuring greater flexibility and scalability.

Considering the technological innovation and change coming, 2022 will be an exciting year for digital transformation. If you would like to speak to one of our specialists about your digital requirements, please sign up here.

digital space

Click here to book a free consultation for your business today.