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talent with technology

Telent Wi-Fi Solutions & Services

Increasingly, we live our lives permanently connected and online while working, during leisure time and even when travelling.

With smart phones, tablets and other mobile devices being essential tools in today's world, having a reliable and fast Wi-Fi connection is highly important to all of us.

Work Place Benefits

In modern working environments, staff and their IT devices are not restricted by cables to fixed locations. This encourages the flexible use of workspace as any space can be used. There is no need to move data points and cables if you move desk or work stations, resulting in reduced infrastructure cost. Additionally, when working in a conference or meeting room, staff, customers or partners can easily access the network. The resulting benefit to the organisation is employees can work where they chose or form dynamic teams across various areas of the business. It's all about productivity through mobility.

Public Space Benefits

In a world where the majority of people want to be connected all the time, customers, visitors and travellers expect Wi-Fi when they visit your venue. This is prevalent in shopping centres, sporting arenas, performance venues, hospitals, train stations and other transport hubs as Wi-Fi is now regarded as essential and without it your customer satisfaction ratings will fall. With your customers constantly connected to your network, it enables a deeper customer engagement through knowledge of footfall and dwell time, resulting in a positive effect on marketing and communications.

What does your organisation need from a Wi-Fi solution?

There are clear differences between work place and public space Wi-Fi applications. As the complexity of technology increases and aspects around performance, reliability and security become more important, turn-key Wi-Fi solutions become appealing.

Poorly designed and implemented Wi-Fi will put significant demands on both your internal network infrastructure and external data, especially with public space solutions.

Key considerations:

- Wireless Access Points (AP) locations
- The LAN / on premises network to connect APs
- Management of user subscriptions
- Supporting different users type/privileges
- Security
- External network connection to carry traffic to the internet – coping with demand
- Business Returns & Benefits - Mechanisms to engage with users in public space applications, to build loyalty, develop deeper relationships, gain insight, push advertising, and monetise the transaction.

What Telent can offer

Telent have a highly skilled team and experience with radio technologies. Our network engineering resource has successfully delivered complex projects across a number of verticals.

Surveys

- Desktop planning and evaluations using predictive modelling tools: iBwave, Ekahau, LS Telcom
- Physical site surveys using passive and active surveying equipment and techniques
- Network evaluations for customers

Network design

Telent consultants will design complete end to end networks, working with customers to ensure the delivery of a solution meeting all their requirements. This will include wireless access points, LANs and access to the internet.

Installation, commissioning, optimising and network acceptance

Telent have an extensive field force to complete every element of network roll-outs to ensure your Wi-Fi project is delivered on time.

Network monitoring, analytical and statistical reporting

Understanding what your network is doing is an operational fundamental requirement. Without it, you're totally blind on how your network is performing.

Telent uses best of breed tools to proactively monitor networks.

- Capacity management
- Identifying bottlenecks
- Plan network upgrades
- 24/7/365 network monitoring at dedicated, UK based Telent Network Operation Centres (NOCs)

Monetisation of the network

Making the network earn revenue for the owner/ operator has become a very hot topic. "Big Data" is a very valuable resource that advertisers will pay to get access to, delivering localised adverts targeting customers to use either onsite facilities or those in close proximity can further. Telent can help customers realise revenue potential of their asset.

Asset tracking

Well designed Wi-Fi networks can support the tracking of assets such as human resource or hardware each one are valuable to organisations.

- In a customer focused business, having staff in the right locations at the right times is invaluable
- Businesses that need to keep track of valuable/ mission critical pieces of hardware can track and geo fence equipment

Vendor selection and evaluation

Selecting the appropriate vendor for your network is a very important decision and potentially a costly one if incorrect choices are made. Telent are a vendor agnostic organisation and will conduct vendor assessments and evaluations on behalf of clients.

Managed Services from Telent

Networks are increasingly complex and require high skill levels to keep them operating at their maximum performance. Telent can remove the operational headaches for your organisation. We sit down with our customers to get a full briefing on what they want to achieve from their network. We then project manage the full lifecycle of the delivery of the network, before handing over handover the service to the client.

Available as a comprehensive managed service

- Network monitoring
- Fault handling
- Maintenance
- Upgrades
- Periodic reporting
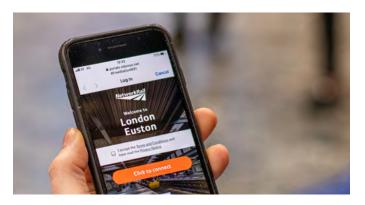- Technology refresh (if applicable to the customer contract)

Case Studies

Major Central Government Department

Telent delivers and supports secure connectivity for a major central government department, providing Wi-Fi and LAN services to a large central London estate of 13 government sites including both historic and modern buildings.

The solution provided by Telent as a managed service since 2014, includes over 1400 wireless access points. This network has been evolved to support Cloud based applications and services, with an operational availability model of 99.99% uptime all managed through Telent's 24x7 Network Operation Centre (NOC).

University of Oxford

The university required a wireless network technology refresh across multiple central admin buildings and libraries including the famous Bodleian Library. The university's IT team selected a Wi-Fi solution from Telent based on the Mist wireless technology from Juniper Networks.

The project was deployed in three phases, an initial proof of concept, a pilot project, and the main project deployment of 1800 access points. Telent facilitated the installation of all phases of the project.

Network Rail Mainline Stations

Telent was chosen by Network Rail, to design and install Wi-Fi networks at 19 mainline stations, including London Waterloo, Reading, Leeds, Edinburgh Waverley, Manchester Piccadilly, and Birmingham New Street.

Using Wi-Fi 6 the solution allows users to connect at an enabled station and seamlessly reconnect at another enabled station. Latest figures show that nearly half a million people are accessing the Wi-Fi services every month, benefitting from an enhanced station experience and since launch there have been up to 3.5 million sessions in a single month.

Cricket Grounds for the Cricket World Cup

Sky, chose Telent as its partner to upgrade the legacy Wi-Fi infrastructure at county cricket grounds in time for the International Cricket Council (ICC) Cricket World Cup 2019. The project saw Telent complete the design and deployment of cabling, switches and access points for the Sky Wi-Fi solution.

Deployments were completed at Durham, Trent Bridge, in Nottinghamshire, the Bristol County Ground, and Old Trafford. Further upgrades were completed at additional cricket grounds across the UK, with Telent responsible for surveying the grounds, designing and installing the networks.