

IoT

Smart Cities

The UK's urban population is increasing and our municipalities are now facing new challenges that require urgent attention.



The challenge for Smart Cities

As the population increases, our cities have greater pressure on issues such as traffic congestion, utilities, crime, waste management and environmental deterioration and so are adopting IoT technologies and the concept of 'smart cities' to manage these pressures and improve the welfare of the residents.

Benefits of IoT technology in Smart Cities

Sustainability

IoT connectivity will power sensors to monitor environmental data such as air quality, humidity levels, dust level and even chemicals using real-time data analytics to alert residents of unsafe pollutant levels and improve their health and quality of life.

Waste Management

'Smart Bins' powered by IoT technology combined with data analytics to optimise waste collection routes will provide a more efficient waste management system reducing fuel usage with fewer journeys, and fewer trucks used to collect waste.

Crime Prevention

Using the power of IoT, sensors and CCTV cameras can be deployed anywhere throughout a city to collect raw data to then be used by software applications to predict crimes and even natural disasters before alerting the public to safety.

Traffic Management

IoT data SIMs embedded in our roads will be used alongside the latest technology in accident prevention software and road monitoring to improve traffic management and safety.

What is a Smart City IoT Solution?

Here are the 3 key elements:

THE HARDWARE

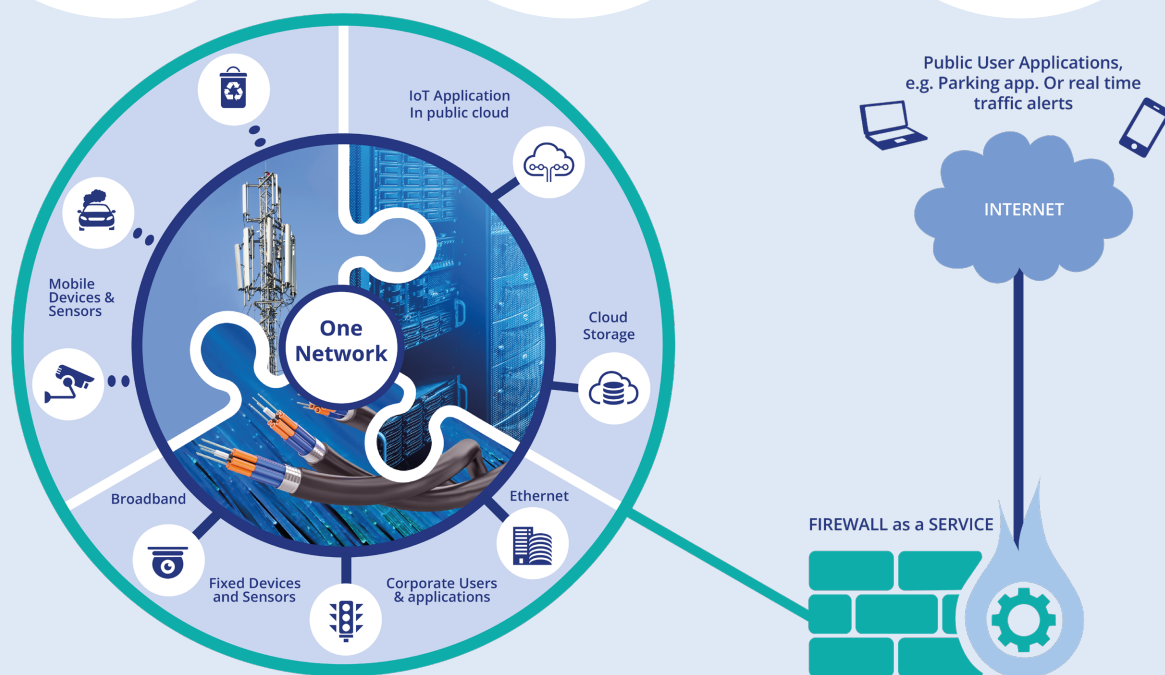
Sensors, devices and SIMs installed around the city to collect and record raw data.

THE CONNECTIVITY

The link between the hardware devices and the cloud based software applications using intelligent networking and data connectivity.

THE APPLICATION

Smart applications and data analytics which translates raw data into information, alerts and action presented in a management platform.



Let Spitfire simplify the process by offering a secure private MPLS network for your IoT solution, significantly reducing the time spent configuring and securing your data network:

- Highly secure by avoiding public internet traversal
- MPLS / Private APN networks available
- Fixed public and private IP addresses
- Avoid need for encryption
- Single provider for all connectivity
- Flexible pricing plans
- Single bill and point of contact
- Easy to manage and support

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