



# The clever route to a smart city

Surveillance Solutions  
from BT: **Safe to Smart**



## Why playing it safe is a smart move

Smart cities are urban areas that use different types of electronic data collection sensors to supply information which they use to manage assets and resources efficiently, improving the lives of citizens and visitors.

At the heart of a smart city's management infrastructure is a control centre connected to digital data sources all over the area: video cameras, personal healthcare monitors, traffic flow sensors, fire and intruder alarms, flood and pollution sensors and many, many more.

Why is this important? So the people running the city can make swift, intelligence-based decisions, helping them respond to what's going on and to anticipate events before they happen.

## What does a smart city look like?

### **A smart city is a connected city**

We see surveillance infrastructure as the foundation of a smart environment, with the camera at its core as the smartest sensor. But a smart city is about much more than just surveillance.

A truly smart city gives you a constant stream of information. It helps you monitor resources. And it saves you time and money.

### **What's driving smart city development?**

In 2018, The MJ and BT surveyed councils about smart cities. The survey revealed that while 91 per cent of council directors are familiar with the idea of a smart city, 36 per cent of them don't currently have a smart city strategy. But of those councils without a strategy, 80 per cent are considering developing one.

We found that the overwhelming driver behind building a smart city was to improve traffic and transport management. Following that, councils are prioritising environmental services, community safety, energy efficiencies, social service improvements, and leisure services.

If you're interested in the details, ask us for a copy of the full 'The MJ/BT 2018 survey'.

### **Clear the congestion (and the air)**

An example of how data can help you make smart decisions is when you're tackling traffic congestion. If you know real-time traffic volumes, you can change the use of traffic lanes and alter signalling patterns to ease the flow and better manage air pollution.

### **See the light, sometimes**

In some situations the technology may make the decisions itself. Like sensors in street lights that only come on when someone is in the vicinity. A little thing like that can slash your electricity costs.

### **Provide more services, generate more revenue**

If you're really smart, you can use your surveillance system as a revenue stream, making it much more affordable than you might think. Take Calderdale Metropolitan Borough Council (MBC), for instance: they don't just run their public services, they supply surveillance services to the private sector.

Monitoring cameras for a social housing association and providing out-of-hours CCTV coverage for a shopping centre is helping to mitigate the costs of the public system.

### **Go on a digital journey, drive costs down**

Sussex Police have consolidated nine separate surveillance systems and control rooms into one digital network. By connecting every single public space CCTV camera to the new network, officers can access any camera in the area from a local terminal without having to drive around the nine former control rooms to get the full picture.

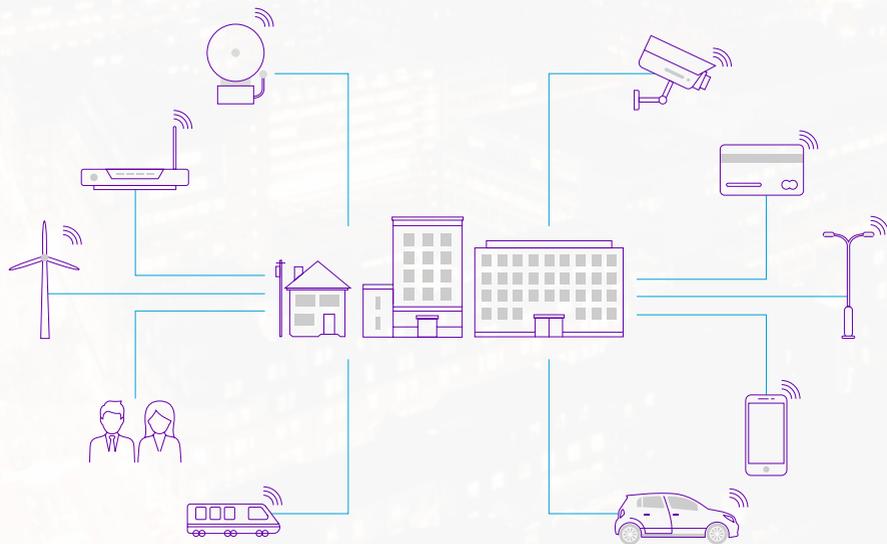
And that stopped officers wasting their time driving over 180,000 miles in just the slashing spending on fuel and maintenance, and cutting CO<sub>2</sub> emissions.

# Make your city work better for its citizens

How you use the technology depends on the limits of your imagination.

Want some ideas? Here's just a few for starters. Imagine the benefits these could bring to your city –

- Commercial CCTV monitoring
- Free public wi-fi
- Enhanced mobile coverage
- Flood detection
- Fire and security alarms
- Air quality monitoring
- Smart parking
- Climate sensors
- Smart lighting
- Population counting and demographics
- Vehicle counting and classification
- Asset monitoring





## Who's already smartening up?

We've been helping cities across the UK get smart for several years now, including Cardiff, Gloucester, Glasgow, Nottingham, Newcastle, Leicester, Calderdale, Sussex, and Weymouth.

### Sussex

In an example of police and local authority collaboration, Sussex Police operate the control room, to which the local authority also has access. As well as monitoring crime, they're able to keep the traffic flowing and keep an eye on the streets during the busy conference season.

The operation is also bringing smarter services to the citizens of Sussex. The data is providing valuable insights into service usage patterns for amenities like bin collections and car parking availability in Brighton and Crawley.

### Leicester

'Free Wi-Fi supports our plans to promote economic growth in the city. It's essential infrastructure for a modern connected city.'

Rory Palmer, Leicester's deputy city mayor 2016

### Calderdale MBC

By using their surveillance services to generate revenue, Calderdale MBC have been able to stop employing a 3rd party to monitor their municipal buildings, improving the safety of their community. They've also kitted out a vehicle for mobile live streaming of events like the Tour de Yorkshire and they're using rapidly re-deployable cameras to check flood levels.

### Gloucester

'The public Wi-Fi project is a milestone in our quest to make Gloucester one of the most connected places in the UK. It's fantastic for people visiting the city as well as local businesses, students, and shoppers. And it was great to work with BT on the rollout.'

Councillor Jennie Dallimore, Cabinet Member for Communities and Neighbourhoods

### West Yorkshire Combined Authority

West Yorkshire Combined Authority (WYCA) have recently installed 260 Bosch HD cameras in eight of its busiest bus stations across the county. They've used the opportunity to take advantage of free Wi-Fi, making it available to everyone waiting for a bus.

'Upgrading to a fully digital system is going to save us a five-figure sum every year. It'll have paid for itself in four years.'

Councillor Kim Groves, Chair of the WYCA transport committee

# From safe to smart: you're closer than you think

The good news is if you've got a surveillance system, you're already on the road to smart.

## Camera point-of-presence

### Be smart about your camera locations

- Look for high footfall areas, 24/7 power availability, and robust structures
- Reduce street clutter
- Use the cameras for more than watching people – they're the smartest of all sensors
- Add other sensors and points-of-presence

## Network connectivity

### Your camera network is an asset (so use it for more than cameras)

- Multi-services: high bandwidth fibre means you can offer more services
- Robust, resilient, and reliable
- Data security
- Low latency and no jitter

## Control Room platform

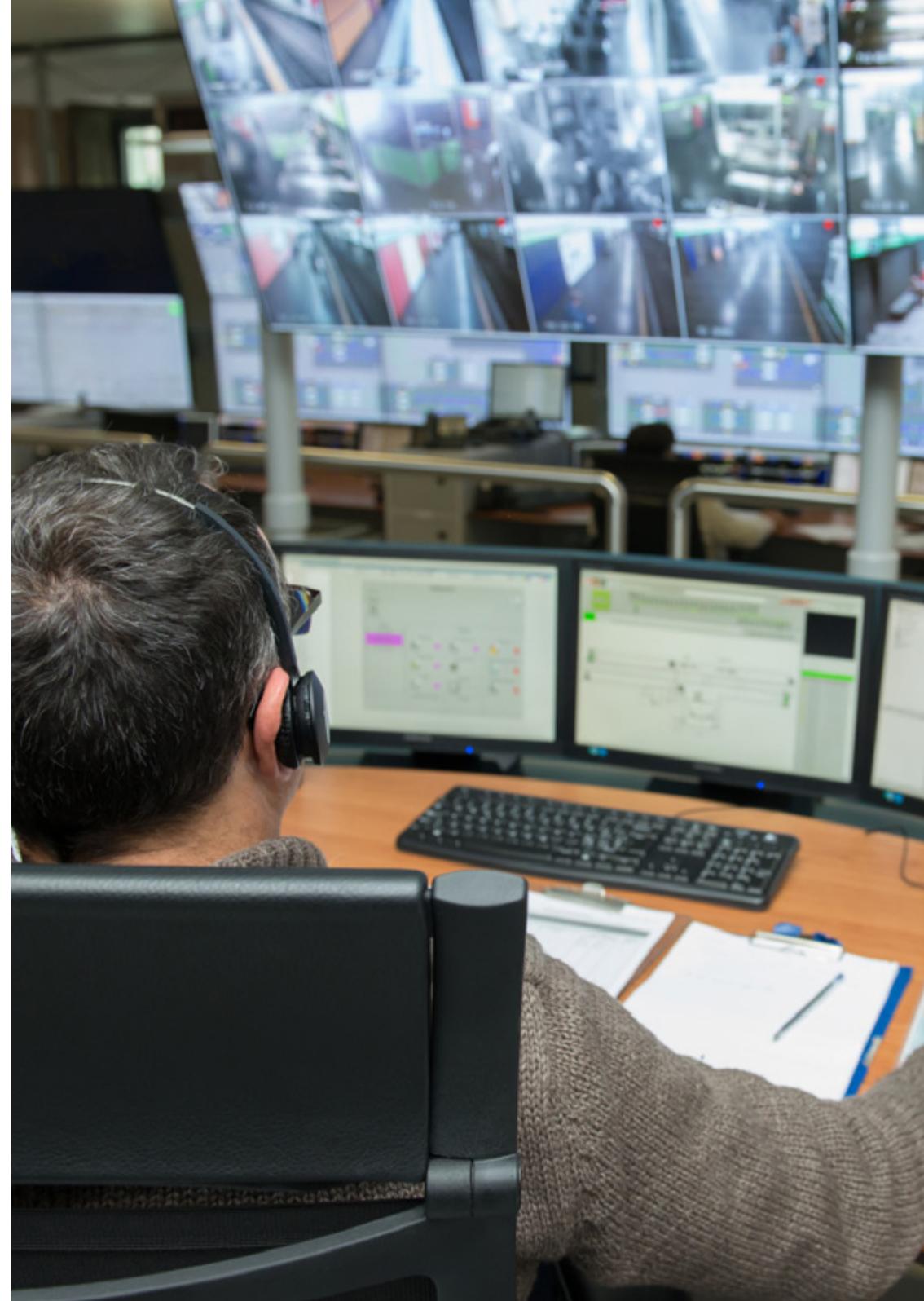
### Use the power of the Command & Control platform

- Video images support sensor alerts, providing a holistic view of situations
- Makes sense of the sensor data, giving you unprecedented insights
- Script-driven response plans for swift and decisive action
- Enables auditing and compliance of city services

## Control Room operatives

### 24/7 Control Room operators and supervisors

- Provide more than just CCTV monitoring
- Turn a cost centre into revenue generator
- Deliver more value to the community





## Why BT is the smart choice for your city

We have the portfolio, no matter what you need. We have powered points-of-presence in public spaces ready to connect your Smart City. We'll consult with you, then design, supply, and install everything you need from the Command and Control centre onward including cameras, networks, and Wi-Fi.

### **We're the UK's biggest communications provider**

You'll find our surveillance technology in over 80 per cent of the UK's public authority surveillance control rooms.

### **End-to-end managed service that covers everything**

We don't just deliver astounding technology, we deliver a fully-managed, end-to-end solution. From consultation and design, to training and maintenance. We've got you covered, every step of the way.

### **Surveillance Solutions from BT**

If you want to know more about surveillance, take a look at one of our dedicated brochures:

1. **There's more to surveillance than meets the eye:** an introduction to surveillance solutions.
2. **Safety and security in motion:** surveillance and public transport.
3. **Stop crime in its tracks, secure convictions in court:** surveillance and the police.

# Get smart. Contact us today.

For more information, head to [bt.com/surveillance](https://www.bt.com/surveillance)  
**0800 032 0025**

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