

Small Cell solutions for Mobile Network Operators

Leading the way on urban street infrastructure

In urban areas network densification is often best achieved by locating low power cells on street furniture. Capacity and coverage are increased through line of sight to mobile devices at street level. Cellnex's independent, neutral-host solution provides operators with the confidence assured by working with a trusted partner.

Our end-to-end Small Cells deployment service is built on our concessions rights to use street assets for communications equipment. Managed deployment removes the complexity involved in dealing with multiple parties, permitting, and traffic management. Operational sites are managed by our service desk, ensuring reliable service.

Deep design expertise and our extensive experience of street deployments enables us to provide a smooth, efficient delivery of the network.

Cellnex's unrivalled deployment experience has enabled us to optimise delivery processes. These ensure reliable deployment of Small Cells in the shortest possible timeframe.

Case study example

With around 180,000 people living in 6.3 square miles, Hammersmith and Fulham have a high demand for telecoms connectivity. As concession holder, Cellnex worked closely with the Borough to select locations for new infrastructure.

The result is an established 15km high density dark fibre network, which is multi-operator capable and provides the bandwidth for MNOs to deploy 5G and explore advanced technology including centralised C-Ran.

The network also features 90 cabinets and associated assets to enable sharing of the infrastructure.

More than 200,000 street assets

in 14 London Boroughs



UK market leader

in Small Cells infrastructure



3 MNOs

in the UK currently deployed on Cellnex assets



Features and benefits

Hosted location

- Managed street columns
- Choice of thousands of dedicated locations
- Design and build of Small cells installations
- Operational service desk for first line response and site access
- Optional backhaul spectrum at 28Ghz

Connected street infrastructure PoC

- 5G-ready Small Cells infrastructure installed in South West London
- Shared infrastructure enables lower costs

- Cabinets for up to four MNOs Small Cells equipment
- Dark fibre backhaul network to Pol at BT exchange
- Shared antenna and feeder system covering 1.8GHz to 2.6 GHz and 3.5GHz bands
- Easy ground level access to your equipment for maintenance
- Environmental monitoring of cabinet
- Operational service desk for first line response

Why Cellnex?

Cellnex is a key piece of the telecoms jigsaw throughout Europe

Every day, as a UK Critical National Infrastructure Provider and the country's leading independent telecoms site partner, emergency services organisations, telecoms operators and many others count on us to connect millions of people to the world.

Rolling out across London

Cellnex concession areas are highlighted with photos showing selected examples of deployments:



cellnex[®]
driving telecom connectivity

cellnextelecom.co.uk

Cellnex plays a key role within the telecoms sector enabling connectivity throughout Europe. In the UK, as the country's leading independent telecoms site partner, Cellnex provides critical national infrastructure & services to telecoms operators, emergency services organisations and many other enterprises.

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