A FOUNDATION FOR DIGITAL SUCCESS

In-building cellular for healthcare

Access reliable mobile coverage from anywhere in your hospital with smart signal boosters

Proposition overview

Concrete hospital buildings can create poor phone signal and little 4G or 5G for staff, patients, and visitors. In-building cellular tackles this disconnect by using donor antennas and smart signal boosters to capture signals from external masts and distribute them within your hospital's connectivity dead zones.

This cellular coverage can be layered with networks and private 5G to create a complete connectivity ecosystem, moving you closer to INFRAM Level 7 rating from HIMMS. Mobile coverage can also help bolster network bandwidth in periods of high traffic and provide a reliable back up – crucial for high-stake clinical environments.

The roadmap

- **Consultation and site assessment:** We'll discuss your needs and assess your building.
- **Custom solution design:** Agree a plan tailored to your budget, goals, and in-building landscape.
- **Equipment provision:** Order donor antennas, smart boosters, and provider contracts.
- **Professional installation:** We'll roll out your new tech with minimal disruption at a time suited to you.
- **Testing and optimisation:** Your new in-building cellular will be fully tested to ensure you have the 'full-bar experience'.
- **Ongoing support:** Feel confident in maintaining your new in-building cellular tech with our experts' guidance.

'Mobile-first' for integrated care

You can pilot in-building cellular technology by installing just one donor antenna and smart booster. This means you can prove your use case before investing further, or only invest in the most strategic areas of your hospital.

Regardless, investments with Block can be tailored to your hospital's needs.

The New Hospital Programme is expected to push cellular coverage as a priority to accommodate the NHS's 'mobile first' strategy, which is designed to improve integrated care and promote inclusive patient experiences.

Some Trusts are already investing in in-building cellular, including Rotherham, Doncaster, and South Humber NHS Foundation Trust, Welsh Ambulance Services NHS Trust, and Central Middlesex Hospital.

BLOCK

The benefits

Uninterrupted mobile access
Make calls, send messages, and connect devices instantaneously using 4G and 5G, without sign-in or network security risks.

Ultimate compliance
Conform to UK mobile network standards and comply to CLDC, DPA, UK GDPR, and NIS Regulations.

Accessible DAS alternative
Achieve similar results to a distributed antenna system but at less cost and with faster deployment.

Compassionate experience
Enable patients and family members to update relatives in times of crisis, without a struggle for signal.

In-building cellular and Wi-Fi

Create a full connectivity eco-system by combining in-building cellular with your Wi-Fi network and private 5G. While Wi-Fi provides internet to selected applications via your locally controlled network, cellular allows any device to have signal without signing in. This instantaneous connectivity is crucial in supporting critical systems that can't afford to fail, including emergency alerts and telemedicine.

In-building cellular can also be a strategic companion to your network by bolstering bandwidth in high-traffic periods to ensure vital network-dependent applications always receive optimum connectivity. Block's experts tailor in-building cellular solutions aimed at complementing your existing network.