A FOUNDATION FOR DIGITAL SUCCESS

In-building cellular for healthcare

Access reliable mobile coverage from anywhere in your hospital with purpose-built infrastructure.

Proposition overview

Concrete hospital buildings can create poor phone signal and little 4G or 5G for staff, patients, and visitors. In-building cellular addresses this challenge by distributing mobile network coverage throughout hospital environments using dedicated indoor infrastructure designed to eliminate coverage gaps.

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 HIMSS. Mobile coverage can also help bolster network bandwidth in periods of high traffic and provide a reliable backup – crucial for high-stakes 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:** Procure in-building cellular infrastructure and coordinate with relevant mobile network operators where required.
- **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 deploying a targeted in-building cellular solution in key areas, before scaling. 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 and budget.

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 public 4G/5G networks or private cellular services, 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.

Easily scalable
Tackle one connectivity dead zone at a time, or grow your cellular alongside your hospital.

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 ecosystem 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.