A FOUNDATION FOR DIGITAL SUCCESS

In-building cellular for higher education

Access reliable mobile coverage in any building on your campus with smart signal boosters

Proposition overview

Concrete campus buildings can create poor phone signal and little 4G or 5G for students, staff, 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 university's dead zones.

This cellular coverage can be layered with networks and private 5G to create a complete connectivity eco-system, moving you closer to delivering a competitive modern education experience. Mobile coverage can also help bolster network bandwidth in periods of high traffic and provide a reliable back up – crucial for an always-on learning environment.

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.

Delivering competitive connectivity

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

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

The UK government is aiming to have 5G coverage in all populated areas of the country by 2030. As infrastructure grows, in-building cellular technology will ensure everyone on campus can access immediate high-speed connectivity, despite where they may be in the building.

Universities are using these connected experiences to meet student expectations as part of tackling declining enrolment rates.

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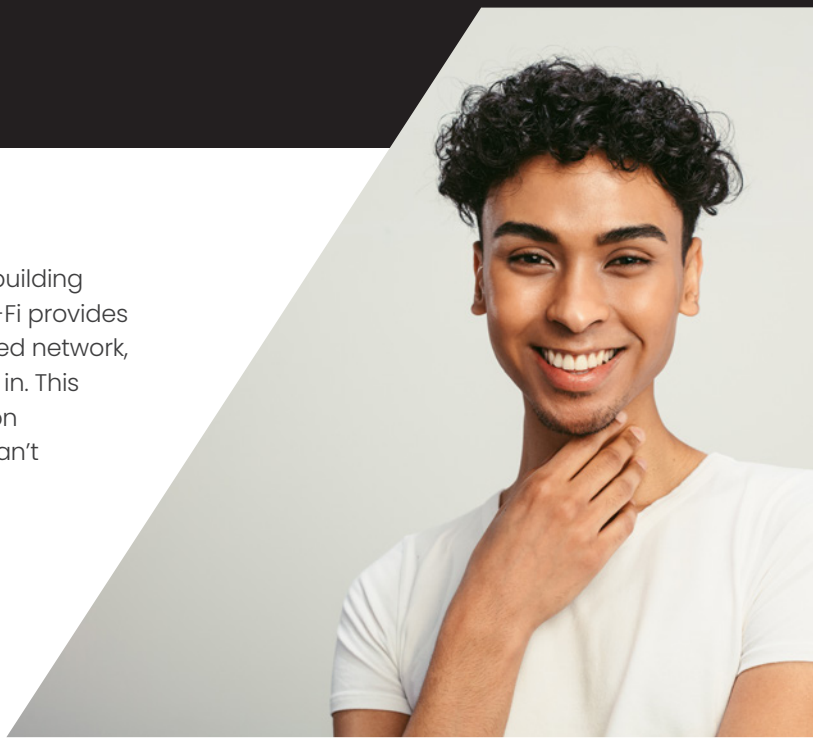
The benefits

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, ensure strong cybersecurity, and abide by data regulations such as GDPR.

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

Compassionate experience
Enable students to phone home or contact support services, without needing to leave their halls of residence.



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 for student safety on campus as well as for supporting critical systems that can't afford to fail.

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 investments.

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