GW-Tech
WIRELESS CONNECTIVITY

Indoor Mobile Coverage Solutions

Delivered by GW-Tech

How Buildings Act Like a Faraday Cage

Modern offices, warehouses, and commercial buildings often reduce mobile signals entering the building.

Materials such as:

- Concrete & steel reinforcement
- Foil-backed insulation
- Energy-efficient (low-E) glass
- Metal cladding and frames

...reflect or absorb radio waves, preventing outdoor coverage from reaching inside.

The Impact on Your Business

Slow Data — Apps and devices struggle to stay connected. Staff waste time hunting for signal.

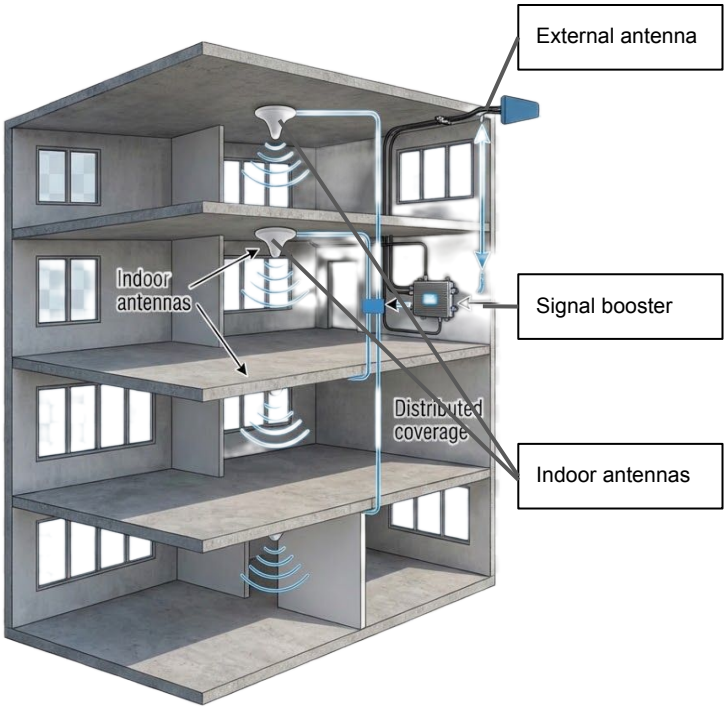
Dropped Calls & Inconsistent Coverage — Unreliable voice quality and patchy data across floors and rooms.

Operational Impact — Affects staff productivity, visitor experience, and any systems relying on mobile connectivity (IoT, alarms, mobile payments).

How We Improve Indoor Mobile Signal

Capture & Process

High-gain external antennas capture the available outdoor signal.
A digital system then filters, controls and stabilises the supported network signals for safe indoor distribution.



Intelligent Distribution

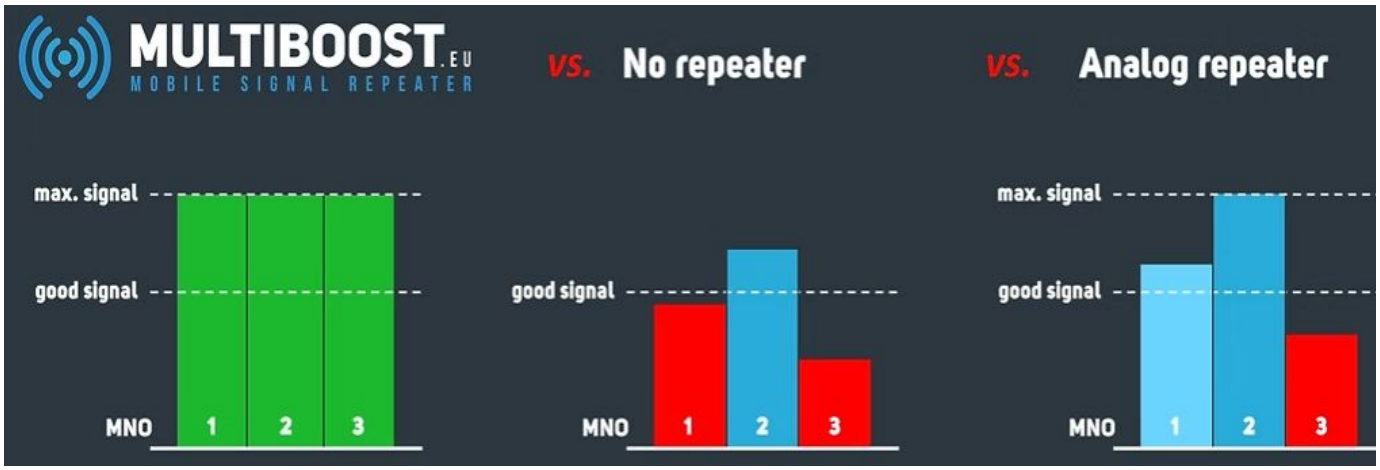
Balanced, stable coverage is delivered across the building via discrete indoor antennas — placed exactly where signal is needed.

What This Means in Practice

- Reliable voice calls in previously weak areas
- Stable mobile data for staff and visitors
- Support for devices relying on mobile connectivity
- Extended coverage in areas where signal was previously unusable

GW-Tech can help resolve these issues with a system designed for your building, delivered from survey through to installation and ongoing support.

Why a Digital Booster Works Better



Digital Repeater

Processes and controls signal per frequency band to maintain stable, usable coverage indoors.

- **Smart self-regulation**
- **100% digital filtering**

No Repeater

Signal stays weak, patchy and unreliable. Coverage gaps across floors and rooms.

Analogue Repeater

Amplifies whatever signal is available — but does not optimise. Can cause interference.

The MultiBoost System

Passive coax distribution

No power required at each antenna location, simpler installation.

Ofcom VTS compliant

Approved for legal multi-operator use in the UK. IR 2102 compliant.

Multi-network coverage

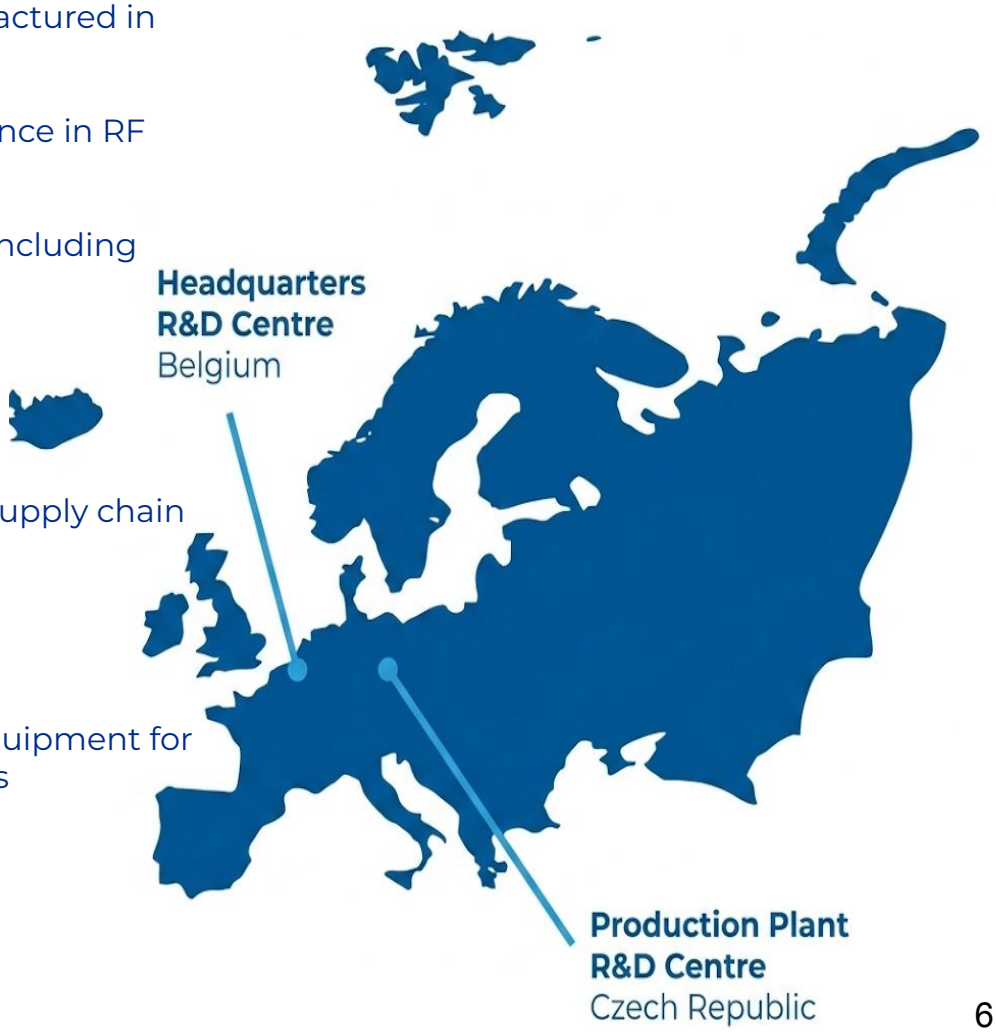
Available in UK variants for two, three, or all four mobile network operators.

GSM, UMTS, LTE & NR (5G)

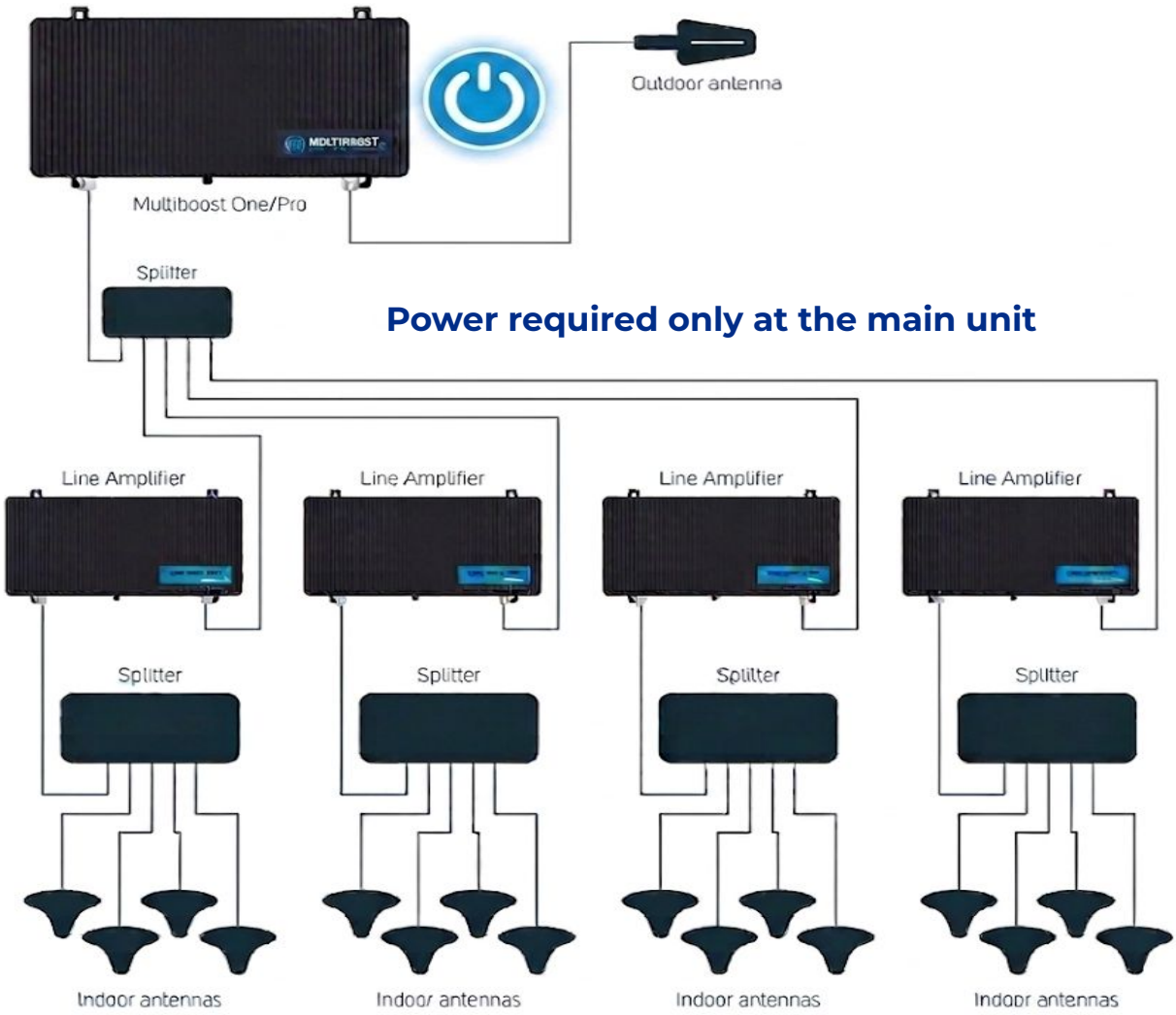
Boosts 2G, 3G, 4G, LTE-M and 5G (FDD) across EE, O2, Three and Vodafone.

MultiBoost Company Background

- Designed and manufactured in Europe
- Over 35 years' experience in RF and IP engineering.
- Over 120 employees, including 30+ R&D engineers
- European support & supply chain
- Professional-grade equipment for managed installations



Example system layout (modular)



Modular coax distribution — no power required at indoor antenna points

GW-Tech — Wireless & Connectivity Solutions

GW-Tech provides end-to-end wireless connectivity solutions nationwide, operating from our base in Yorkshire. We manage projects from initial survey through to installation, validation and ongoing support.

Our core Wi-Fi services include:

- Professional Wi-Fi surveys and design
- Validation using tools such as Ekahau and Hamina
- Network hardware deployment and structured cabling
- Comms cabinet organisation where required

As a UK communications provider with an Ofcom-allocated RID, we supply and manage mobile, broadband and VoIP services across UK carrier networks — providing a single, accountable point of contact for your connectivity.

Jiri Wisiorek, GW-Tech meeting with the MultiBoost manufacturer — UK as deployment partner

✓ Ofcom Registered Communications Provider

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How We Work With You

1 Free Remote Signal Check

Share your building address. We review network coverage data at no cost — confirming whether outdoor signal can support an indoor system.

2 Building Discussion & Budget Estimate

We discuss your building layout and provide a preliminary budget estimate covering equipment and installation — before any commitment.

3 On-Site Survey & Fixed Quotation

If the estimate works for you, we carry out an on-site survey and provide a fixed quotation.

The survey cost is included within the overall project quotation. If you proceed with installation, 50% of the survey fee is credited against the final invoice. If the project does not proceed, the full survey fee is invoiced separately.

4 Installation & Handover

Equipment ordered, installation scheduled and delivered by experienced data cabling professionals. System commissioned, tested, and documented before handover.

To get started — share your building address with us:
info@gw-tech.uk | +44 1924 806 132

Compliance & Legal Operation

UK Regulation

Mobile signal repeaters are regulated in the UK. Using non-compliant equipment or incorrect installation can cause interference and may result in enforcement action.

Ofcom IR 2102

All equipment and installations must meet the requirements set out in Ofcom Interface Requirement IR 2102.

Requirements include oscillation monitoring with safety shutdown, and uplink switch-off.

Our approach

We deploy compliant multi-operator systems with controlled signal management and protection against interference.

Each installation is configured, tested, and documented to confirm compliance.

Why Compliance Matters

- Legal to operate on all major UK networks
- No interference with the wider mobile network
- Supported by Ofcom as a registered provider
- Documented installation confirms your compliance
- Ongoing monitoring maintains regulatory standards

Ofcom VTS Compliant — Legal Multi-Operator Use