

# Case Study

## Home Bargains HQ



## About Us

Mobile Signal Solutions are UK based installers of commercial signal boosting systems, focused on improving mobile phone signals indoors.

Our professional team are approved installers of carrier grade equipment compatible with all UK networks. We work with the client from site survey to installation and offer maintenance & support contracts. Working together we ensure 100% network coverage, no budget overruns, and we offer upfront payment or leasing options.

Our main aim is that clients are happy to recommend us to others. Each system is voice and 4G compatible but we also future proof the design to carry other new mobile frequencies as they are launched e.g. 5G and 6G compatible systems.

## The Property

The property spanned across multiple floors, accommodating a significant number of managers and highly motivated salespeople, all of whom needed to remain easily accessible. With staff frequently moving across various areas, it was crucial to provide comprehensive coverage throughout. Our objective was to deliver a signal booster system that could enhance connectivity for all major UK networks, ensuring 100% coverage within the premises.



## The Challenge

Having had a previous system installed, which failed to meet their standards, the client sought a professional installer who could ensure results across voice services, as well as boost performance across the 4G and 5G networks. Our comprehensive solution aimed to exceed the client's expectations by delivering reliable voice coverage along with high-speed data transmission.

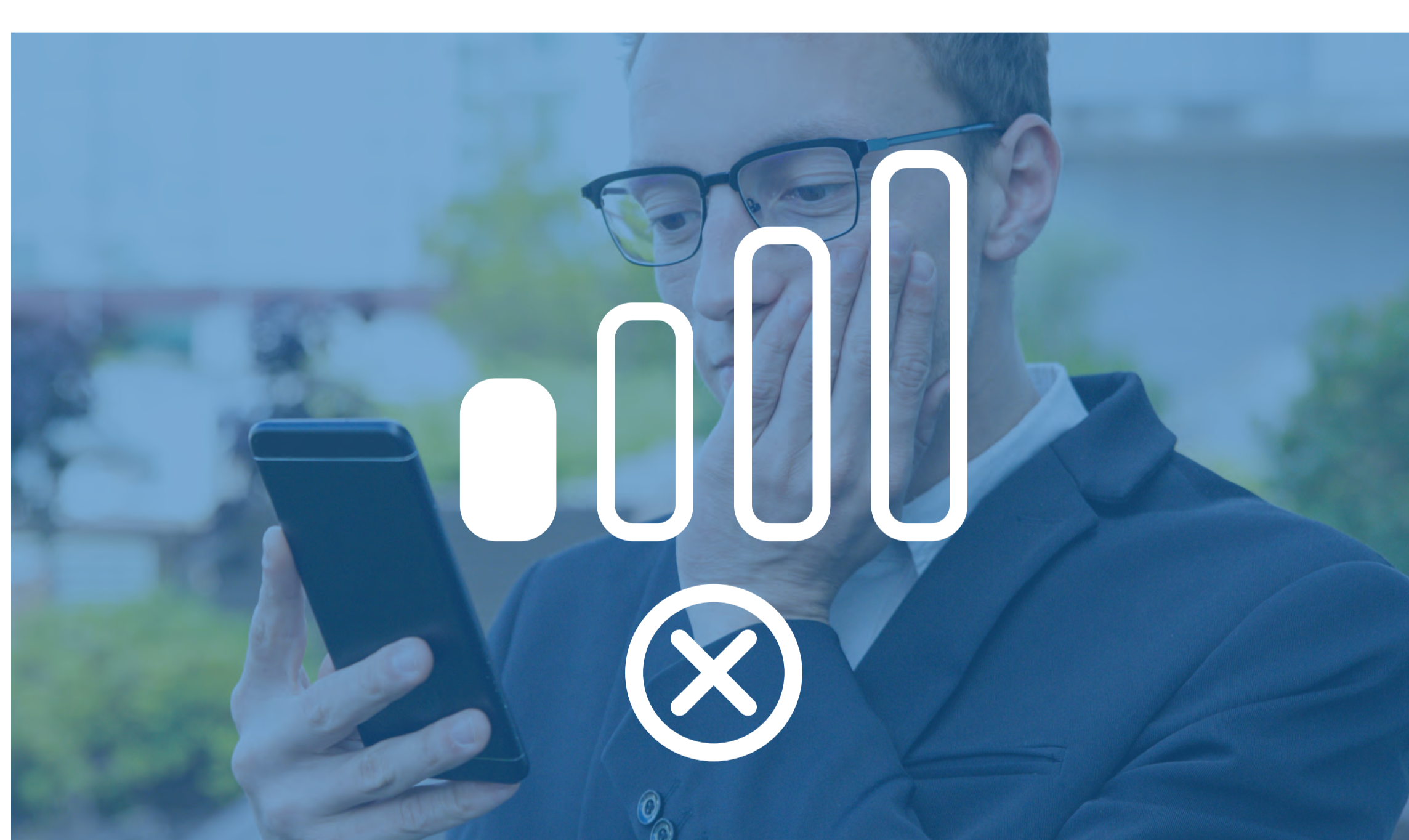
## Why A System Was Required

To provide comprehensive coverage across all buildings, Mobile Signal Solutions implemented a state-of-the-art digital system with remote dial-in access. This advanced solution employed a robust Distributed Antenna System (DAS), enabling us to achieve 100% coverage throughout the entire property.



## The Results

Throughout the course of three days, our dedicated team worked diligently to ensure minimal disruption to the day-to-day activities of the existing staff. Upon completion, signal levels of over 80dB were achieved across all areas, optimising both the 4G and 5G networks. We had a very happy client who had previously been let down but now had exactly the system then needed & we continue to remote monitor.



## What Causes Poor Coverage?

Distance from the local base station or the construction of the outer walls are the main factors. Outer stone walls blocking signal is a common problem in many older buildings, due to the thickness of the walls signal finds it difficult to permeate indoors, especially in basements and areas with no windows.

In modern buildings, the high level of energy insulation also causes signals to be blocked. Buildings using foil backed insulation on roofs and walls, alongside variants of window panes where the glass contains metal particles to reflect the sun's rays means walls, roofs and windows all block the mobile signal.

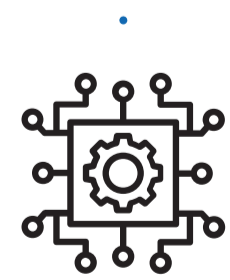
## Need A Solution?

If you're looking to improve connection across your site but aren't sure where to start give us a call today. Our team are happy to talk through your options and set up a survey.



### Step One: On-Site Survey

You will meet with our surveyor to discuss your needs in full. You can discuss areas of importance and agree on a design plan for the system you require.



### Step Two: System Design

Our surveyor will then design the best possible system. The surveyor will then meet with the operations team to put a cost together for that system.



### Step Three: Installation

Before you know it we will have a team of highly skilled engineers on-site and your system will be up and running and providing flawless mobile signal throughout.

*"Having worked with Mobile Signal Solutions for 2 separate building installations to date we have found them to be both professional and efficient and would have no reservations about recommending them to others."*

Ian Hiton  
IT Consultant to Home Bargains

