

Case Study

Vabel London



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

Vabel Haverstock Hill consists of 29 beautifully crafted homes and communal landscaped roof terrace. The homes are built to an extremely high standard and finished with modern building materials which have affected the mobile signal levels dramatically. The homes are spread out across multiple floors with the ground floor comprising of several commercial units.

VABEL

LONDON



The Challenge

MSS were contacted by Vabel as the coverage for their mobile networks were extremely poor internally due to the fail backed insulation blocking cellular signals. A lot of the time it is only at this stage that developers realise the effect the insulation has on a property.

The ceilings were about to be closed up by the contractor imminently and completed. So MSS had to act quickly to ensure our cable routes were not jeopardized. It became clear to the developer that future Residents would be complaining about the lack of internal coverage which is of utmost importance this day in age. The safety of Residents was imperative to the developer. The developer also had commercial units on the ground floor. These units would require full connectivity to attract future tenants.

Why A System Was Required

The client wanted to maximize the value of the apartments. Also Key members of service staff were not contactable in all areas of the building while carrying out their duties.

In the modern era anyone purchasing a new home is checking for strong signal levels before committing to the purchase.

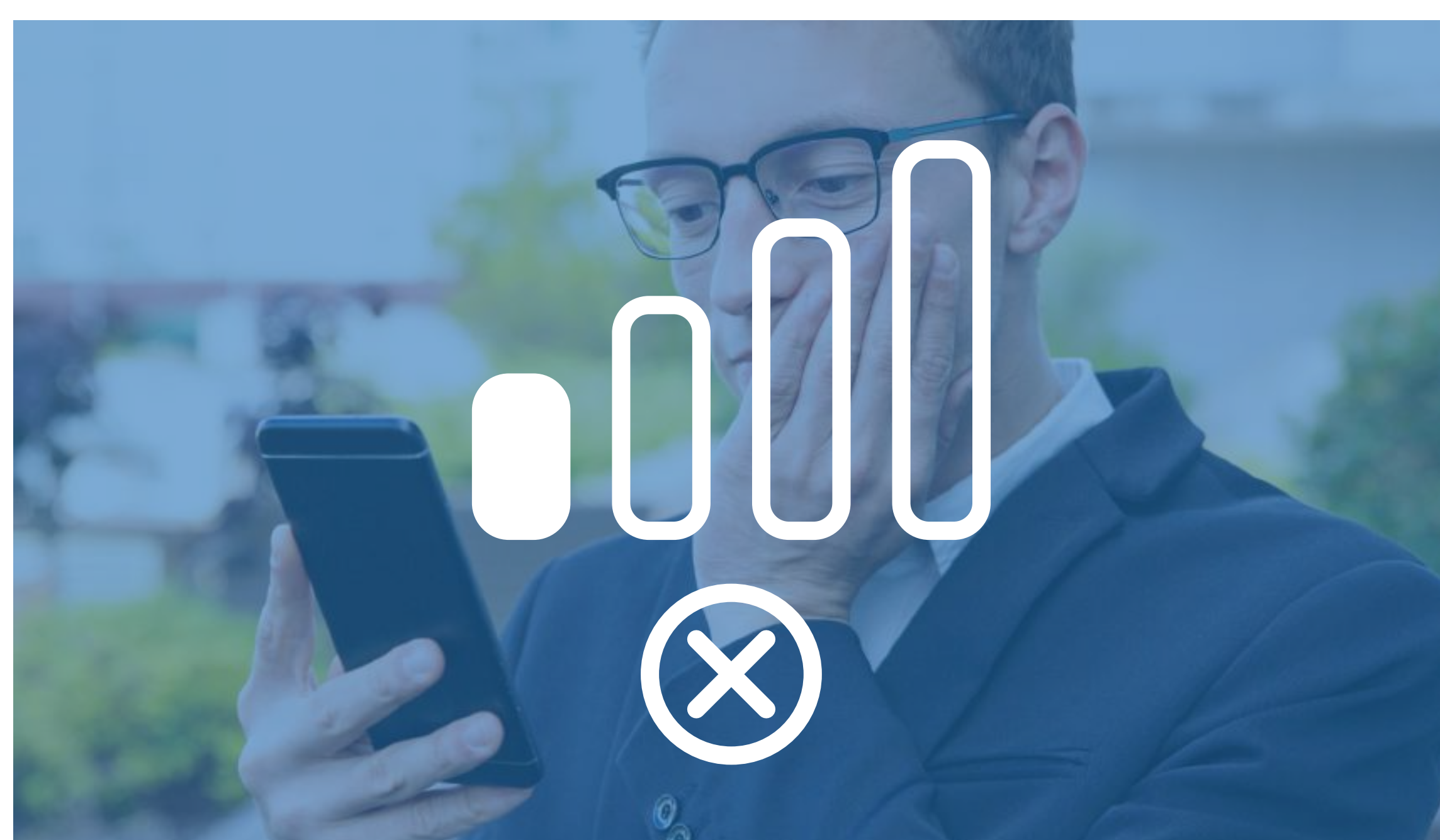
They also wanted to ensure all staff would have access to full mobile coverage for both health and safety and commercial reasons.



The Results

The finished system provided seamless mobile network coverage throughout each apartment. For the client it means the residents experience has been enhanced, staff are more readily contactable for both decision making and health and safety reasons.

Potential buyers were able to call and discuss with their partners the quality of each room, we believe having full coverage made these high quality luxury apartments even more desirable and easier to sell. On completion there was full coverage on all UK networks in the building. The retail units had coverage for customers using loyalty apps, their clients and all residents had full access to 4G and 5G as well as voice once the system was installed.



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.

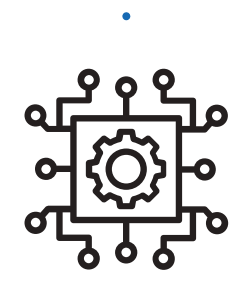
Need A Solution?

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.

"Mobile Signal Solutions helped us to overcome a significant issue we had at our 29 apartments development in Chalk Farm. Following their site survey, we have been advised that building materials used on the project (such as insulation, zinc cladding, etc) prevent mobile signal penetrations.

However, following installation of boosters as per recommendation by MSS team, the coverage considerably improved so that consumers can accept and make calls easily and use broadband. This was a crucial improvement as we leave during band when so many are working from home and need to stay connected as well as for safety reasons. I would definitely recommend our installers and use them on future projects."

Olga Tumakha, Quantity Surveyor

