

Case Study

Luxury Mansion in 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

Our client, a high profile figure, owned a sprawling, private estate spanning over 10,000 square meters on 40 acres. The remote location of the large mansion posed a challenge as it suffered from poor outdoor signal, and the main home, comprised of reception and family rooms on the upper floors, lacked any signal coverage. Additionally, the basement areas housed extensive security and kitchen facilities.



The Challenge

The installed system had to be discreet and entirely invisible to the client, meeting their demanding requirement of 100% coverage throughout the premises. Additionally, the clients emphasised the need for backup resilience in the event of a single network failure.

Why A System Was Required

Our implementation of a digital amplifier, using Cat6 and Fibre technology, along with high-powered coverage units, enabled us to optimise the access points. The team's dedication and expertise in working with listed buildings enabled them to uncover concealed cable routes. Through collaboration with the resident builder, we were able to achieve the desired 100% coverage.



The Results

The IT director of our highly valued client expressed utmost satisfaction as we successfully implemented a comprehensive voice and data network solution. As a result, the client now enjoys seamless connectivity across all networks. Additionally, the family residing in the premises is thrilled to regain access to reliable cellular calls and data services



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.

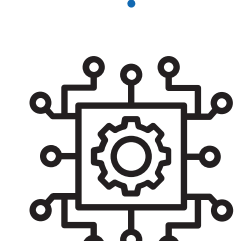
Need A Solution?

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.

"The MSS team were very proactive and professional at all times through the project. There was a large manufacturing site with limited to no signal across two floors and they managed to install and complete the work within 5 days safely and with excellent results! I would recommend using this company for any project big or small."

Adam Fielding
UK Manufacturing IT Lead,
Baxter Healthcare Ltd

