

Case Study

Professional Offices



About Us

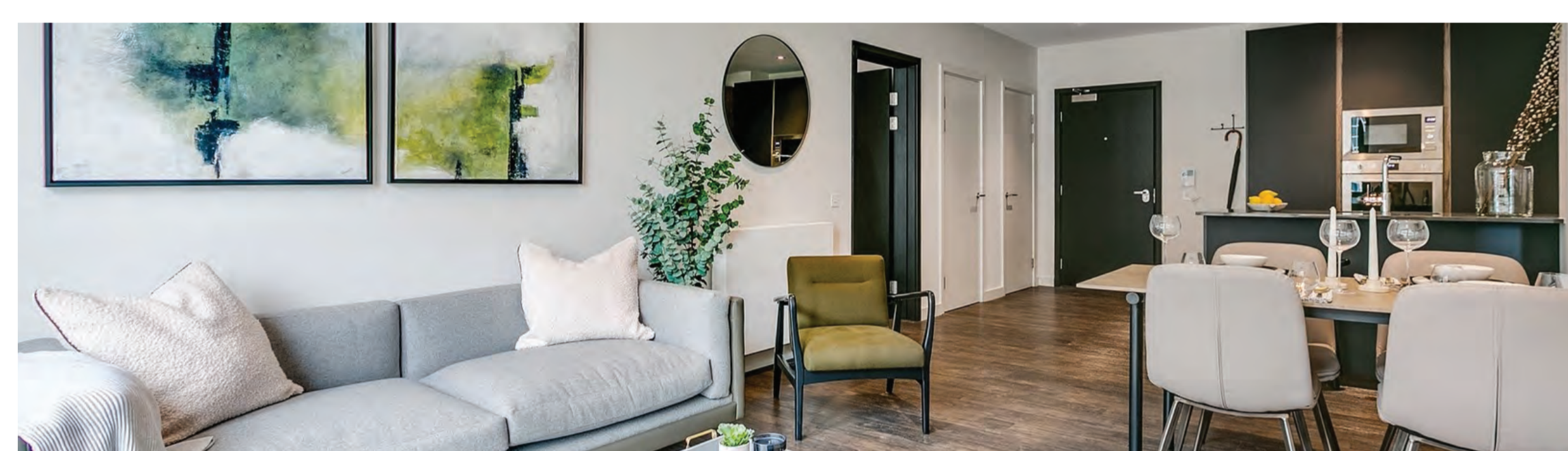
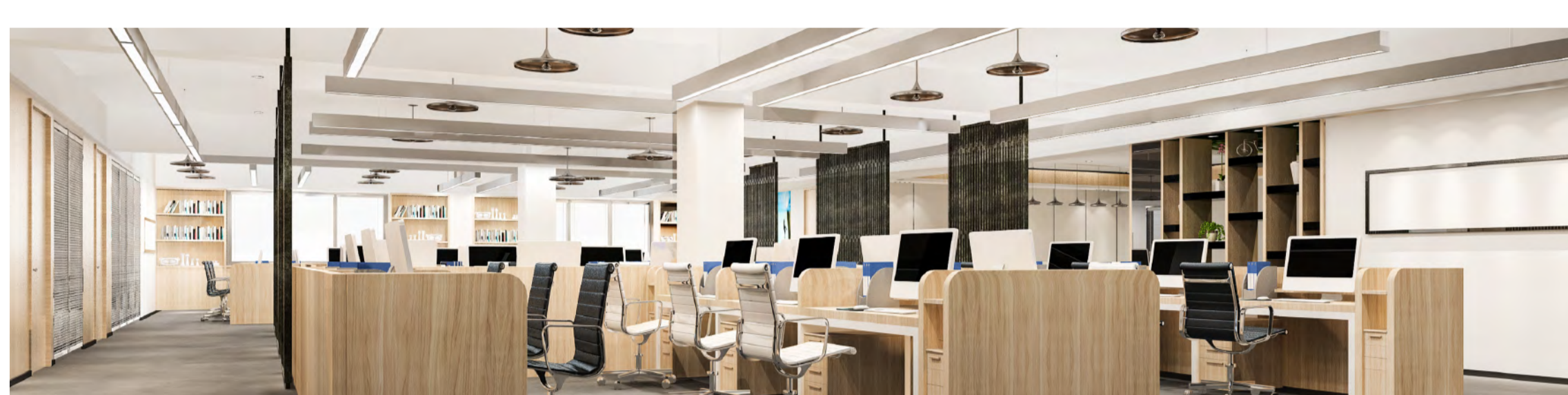
Mobile Signal Solutions are UK based installers of commercial signal boosting systems, focused on improving mobile phone signals indoors.

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 client needed a solution to enhance the mobile phone signal service specifically for the conference room located on Level 23 of a 36-storey building. Initially, there was only 1 bar of signal strength on the west side of the building, while the east side had a slightly better signal with 2-3 bars.



The Challenge

The project had an extremely tight and time-sensitive deadline. Due to the lack of outdoor access and the absence of any line of sight to nearby base stations, a standard installation was not feasible. To overcome this challenge, we required an amplifier capable of effectively handling a weak and intermittent input signal.

Why A System Was Required

MSS sent a dedicated team to the client's premises for a live test during nighttime hours, when no VIPs were present. Utilising highly sensitive scanners and a variety of amplifiers, we were able to identify the only viable solution. The team provided a comprehensive report and cost estimate, enabling the client to give sign off, and we completed the installation during nighttime hours. We also continue to provide monitoring services to ensure optimal performance.



The Results

Within just 72 hours of being contacted, we promptly conducted remote tests on site. We identified a suitable solution, and efficiently installed a system during evening hours to provide coverage for all VIP and C-Level staff mobile devices in the affected areas. This resulted in significant improvements to their communication experiences.



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.

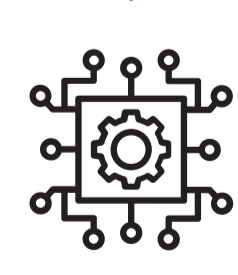
Need A Solution?

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

