

Case Study

Providing High-Speed Mobile Data



About Us

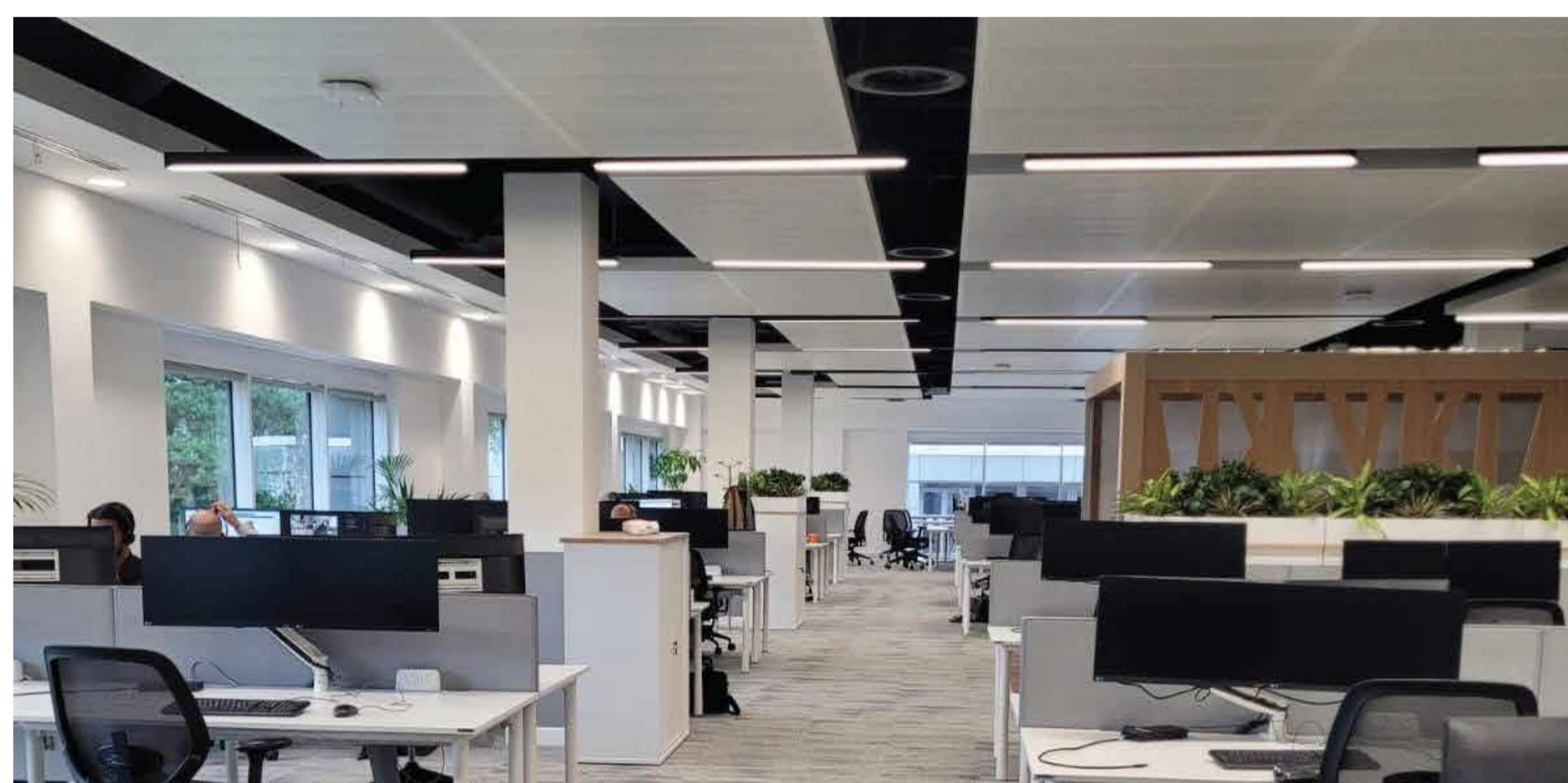
Mobile Signal Solutions are UK based installers of commercial signal boosting systems, focused on improving mobile phone signals indoors.

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

Allianz needed a secure, high-speed mobile data solution that could operate independently of Wi-Fi networks to maintain data encryption and security standards. The project's primary requirement was to establish an effective mobile network that provided reliable access to encrypted data, ensuring seamless and secure connectivity for staff and visitors. The large office space was located several floors up in a larger office complex, with different businesses located above and below.

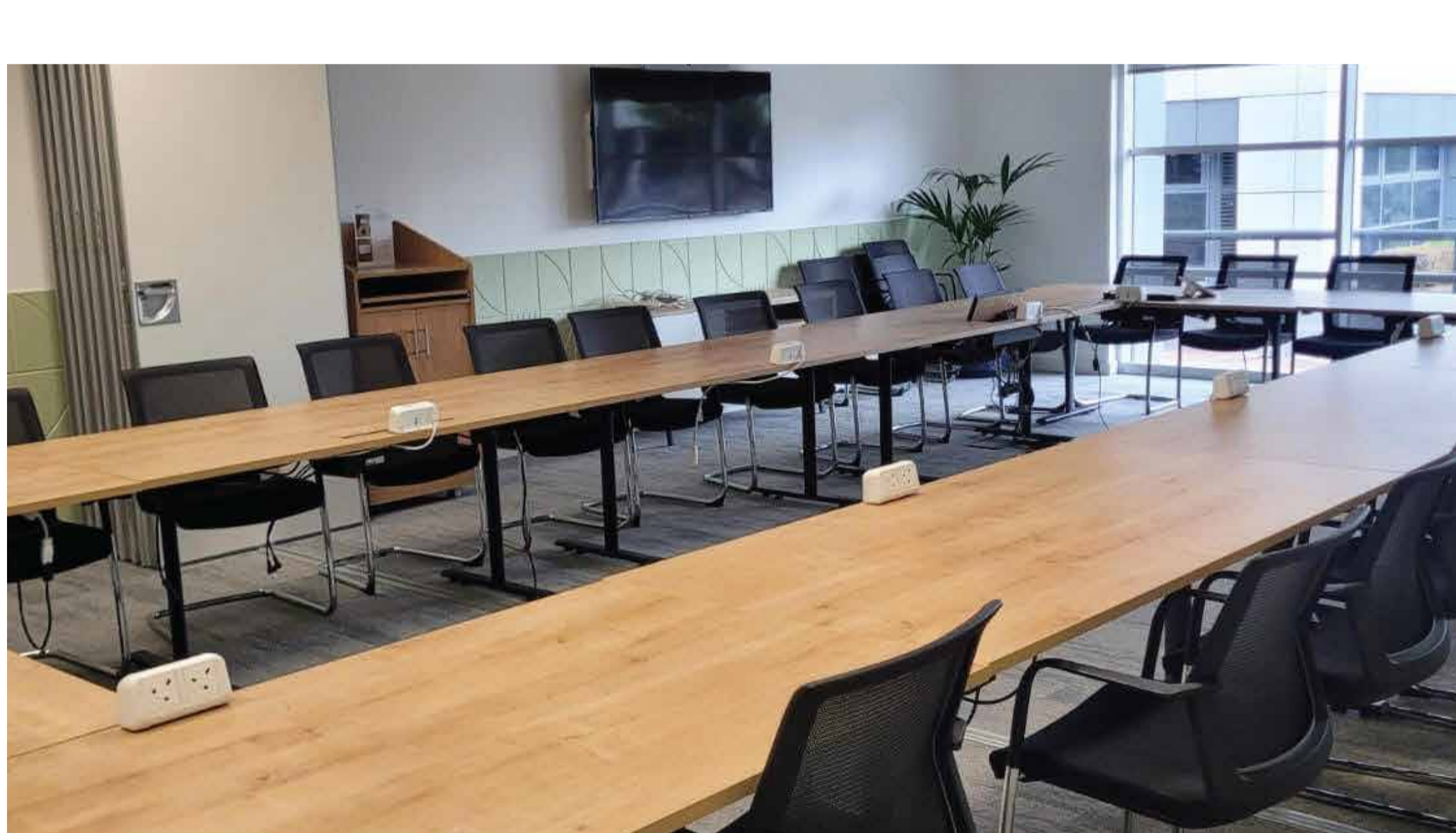


The Challenge

The target floors were located in the middle of a large multi-story building, which posed several logistical challenges. Gaining access to the roof to install equipment required permissions from the building manager, and running cables through multiple floors involved coordination with the landlord and consideration of the building's existing infrastructure. Ensuring minimal disruption to the daily operations of tenants in the building was also a priority.

The Solution

The Mobile Signal Solutions team conducted a comprehensive, site-specific Risk Assessment and Method Statement (RAMS) to ensure all work would comply with safety standards. They managed the required paperwork with the landlord, provided all necessary public liability and professional indemnity insurance documentation, and submitted detailed technical information and data sheets to support the installation.



The Results

The project was completed smoothly over three days, with all stages meeting the RAMS criteria provided to the landlord. The solution delivered fast and reliable indoor mobile data connectivity throughout the specified areas, providing Allianz staff and visitors with secure, uninterrupted access to critical data and communications wherever needed in the building.



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.

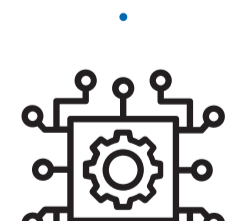
Need A Solution?

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.

"Working with MSS has been a pleasure. From first communication via email to the end of project feedback it's been brilliant. The onsite engineer who came to carry out the install did a very neat and tidy job and completed the work under the original time scale given to us. Will hopefully work with MSS again"

Nil Patel, ATEC

