

Case Study

The Petchey Academy



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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 Petchey Academy is a school that educates over 1000 students today. Established in the year 2006 with generous sponsorship from Sir Jack Petchey CBE, one of the UK's most successful businessmen and philanthropists. The Academy is located in the Shacklewell area, and is based on the site of the former Kingsland School in the London Borough of Hackney, where its LEA is The Learning Trust.



The Petchey Academy



The Challenge

With the Petchey Academy being a school MSS had to carefully work around the daily routine of the school curriculum in order to intrude as little as possible on the students' education. Our team worked closely with the school management on this task.

As the property was built in 2006 a lot of the cable routes throughout the connecting buildings were not straightforward.

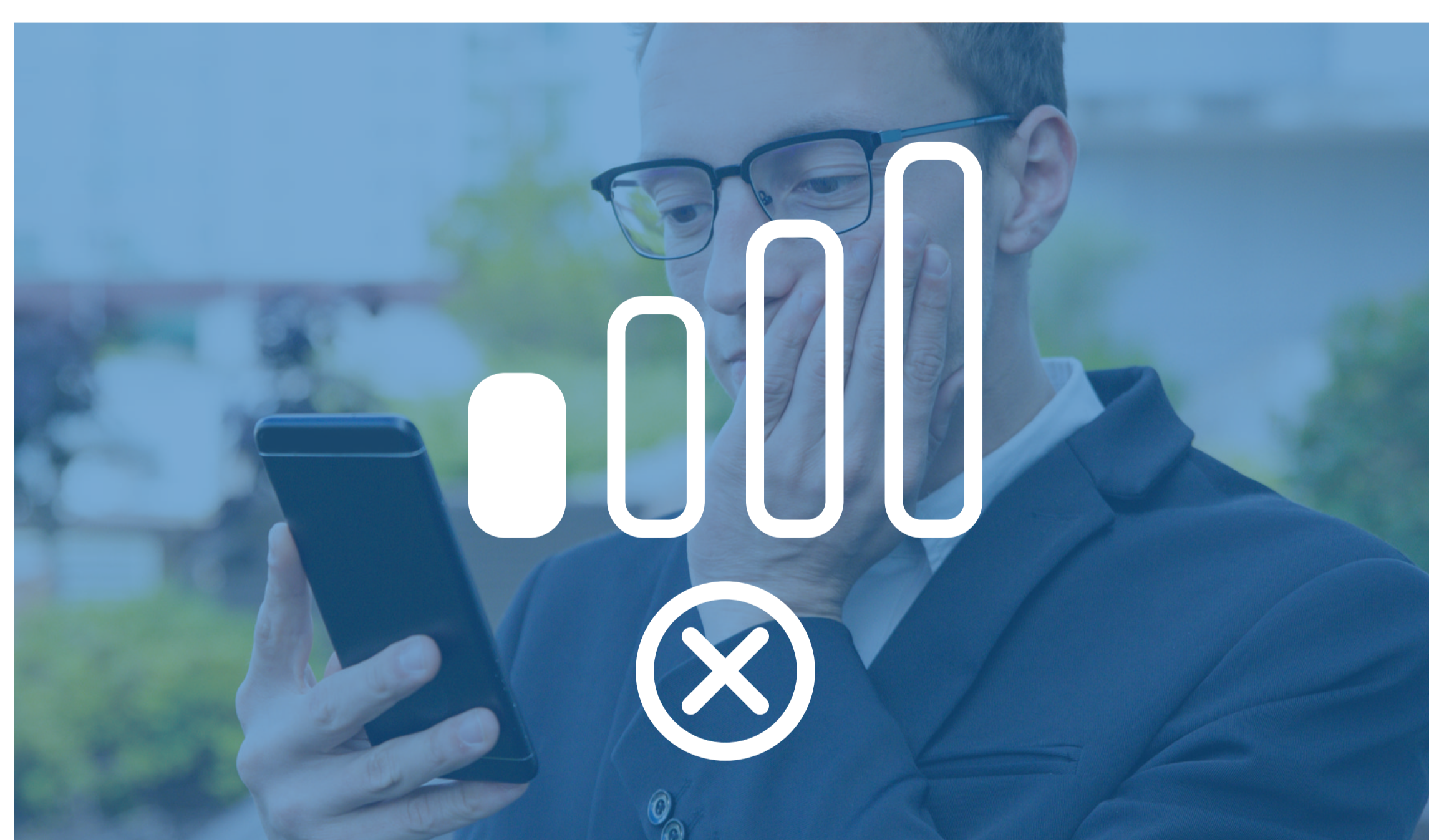
Why A System Was Required

The school wanted to ensure that both staff and students were contactable in the event of an accident. Schools in today's age are using the students' phones as part of safety alerts and evacuation plans. However with poor mobile signal coverage these safety precautions are not of any use. The school wanted to ensure that the solution we have installed is fully futureproofed for technological advancements that are bound to come further down the line.



The Results

The finished system provided seamless mobile network coverage throughout, the entire school, enhancing the experience for both students and staff in the academy. The staff are now more readily contactable for everyday tasks or any problems that may arise during the school day. On completion there was full coverage on all UK networks throughout the school.



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.

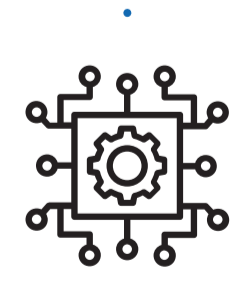
Need A Solution?

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.

"We reached out to Mobile Signal Solutions to help us resolve the low mobile connectivity we had in our building. We are a secondary school with a lot of concrete in the building and lots of windows. New leadership wished to implement new ways of working that meant a constant mobile signal was required whilst moving around the site.

Mobile Signal Solutions came and assessed our mobile signal readings throughout the site for all four networks and proposed how we could install the equipment to remedy the situation.

Their staff explained the technology clearly and ensured we understood what was being fitted. The installation team was wonderful, friendly, thorough and helpful throughout the whole process. Many times they went above and beyond with their support.

Following the installation, we experienced significant improvements in our mobile signal around the site. We are very happy with the service and solution that MSS provided for us."

Doreen Agdabo
Facilities Manager, The Petchey Academy

