



Mobile Signal for the Lancashire Constabulary Police Force

Case Study

Emergency services need to be able to have a reliable cellular coverage, when the Lancashire Police force decided to refurbish their building they wanted to find a multi-network solution that would improve the non-existence signal within their traditional building.



About

Lancashire Constabulary provide emergency services to the local and surrounding area. They need to be able to have multi-network reliable cellular network to be able to communicate between other emergency services.

The Construction

The building consisted of three stories and a basement and was made of traditional brickwork which had recently been refurbished and converted into offices. The offices were converted from old traditional prisoner cells consisting of thick walls brick and concrete walls.



No Mobile Signal

Within their refurbished offices



Multi Network Coverage

They required a solution to cover all the four main networks



Construction

Traditional brick work and concrete walls



Challenges

Due to the traditional brickwork and thick walls this created a barrier to receive the outdoor cellular signal. Before the refurbishment they had tried an EE signal booster from the network provider however, this was no longer supported and only provided improvements to the EE network coverage.

The refurbishment brought the perfect opportunity to install a reliable signal solution that could help with the multi-network indoor cellular network coverage. They required a solution that would cover all four networks (EE, Three, Vodafone and O2).

The Solution

The Police emergency services head of IT contacted Signal Boosters enquiring about a suitable solution. Following an initial desktop survey, Signal Boosters engaged one of their certified reseller – installer UCTel to the project and conducted a site survey. The result of the survey was of no shock. As expected there was minimal to no signal within the offices. The recommendation was to install Cel-Fi G41 Signal Booster with a multi-network coverage (O2, Vodafone, EE and Three).

The Results

The results were outstanding, the emergency services fire alarms department based in the basement could now receive and take important phones and communicate to the wider team. The head of IT was so impressed and said it has helped increase productivity and they now have a 4G connectivity in the basement offices.



Business Benefits



Improved Signal



Multi Network Coverage



Full Mobile Coverage



Increased productivity and happy with the results



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