

Garnett Wharfe:

Bringing Ultrafast Wireless Technology to residential homes without the need for a BT landline.

Background

With poor broadband on the Garnett Wharfe residential housing estate in Otley, West Yorkshire, Talk Straight Limited were tasked with deploying Ultrafast broadband to homes across the estate. The main objective was to deliver Ultrafast speeds at a great price, without the need for a BT landline.

The Problem

The residents of the Garnett Wharfe housing estate were frustrated with poor, unreliable internet access across the estate.

The average speed residents received was between 7 to 12Mbps download and under 1Mbps upload using old BT copper. To put this into perspective, the UK average is now about 65Mbps download and 17Mbps upload.

The Solution

Talk Straight Ltd. implemented a combination of cutting-edge 60Ghz Wireless Mesh Technology (or Virtual Fibre) for individual houses and IP over Coax for numerous apartment blocks. Both have the ability to deliver synchronous speeds of up to 1Gbps to areas where fibre and superfast broadband currently can't be delivered.

High-capacity Ultrafast mesh wireless devices were placed across the estate on strategically placed lamp posts and on each apartment block to distribute the Internet to all of the premises on the estate. The wireless signal essentially bounces across the mesh wireless devices, which blankets the estate in Ultrafast wi-fi. Each house has a small receiver installed onto the same pole as their TV aerial to receive the broadband which points to one of the mesh wireless devices. Customers in apartment blocks had the Internet delivered to them by their own wireless mesh device which then connected to an IP over Coax which delivered broadband via their existing TV aerial socket. Both solutions meant little to no physical work inside a house with installations taking on average just over an hour. A small wi-fi router was then installed in residents' houses enabling them to receive Ultrafast speeds.

Outcome

Having implemented the new technology, the residents are seeing up to 50 times faster speeds than before the Wireless Mesh links were installed. The solution's ultra-low latency means that residents are now free of buffering issues, which has been even more important during lockdown when home-working and learning is essential.

Jennifer Aveyard, a resident, has commented: "My daughter finally got to join her online class today. She absolutely loved seeing her friends. She also loved her online lesson. Running round the house collecting things that tell the time. Then be able to show her teacher and friends. We are both extremely grateful for all the hard work you have done"

Gareth Walters another resident commented: "We're so pleased with the new service. It's great to be able to watch Netflix or use video conferencing for work without the major buffering issues I experienced before the installation. Thanks to all the team involved in installing our new Wi-Fi. I'd definitely recommend the service to others."

If you'd like more information on how we can support your business, community or organisation with our Virtual Fibre solution please get in touch:

✉ **email: info@gwbroadband.org.uk**
☎ **phone: 01133 222 333**

