Landlord BROADBAND

64 EXTRA CARE FLATS BESPOKE WI-FI INSTALLATION

This progressive landlord ForHousing development spanned over three floors, with 64 extra care flats for 69 tenants. Providing sufficient Wi-Fi coverage was of the upmost importance in the design and installation process. We aimed to provide tenants the ability to roam between communal areas and stay connected to the Wi-Fi. We were able to achieve this with our bespoke services.

Coverage

A reliable Wi-Fi signal to all communal areas, not exceeding -75 dBm

Strong Wi-Fi to staff offices and meeting rooms not exceeding -67 dBm

Security

A radius server with all tenants having their own secure login via a portal

Additional portal logins for staff members and the management team

Capacity

Sufficient wireless capacity to enable tenants to utilise low demand applications in communal areas

Sufficient wireless capacity for the onsite staff to work online and video call

Address：The Catalyst, Baird Lane, York, YO10 5GA
Phone： 0333 577 0600
Mailbox：customer.service@landlordbroadband.com

0333 577 0600

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OUR BROADBAND SOLUTION FOR AFFORDABLE RENT ACCOMMODATION

- **The first step was a site survey:** where we liaised with the client & the contractors to go through and assess the existing data cabling on site.
- **This was followed by Wi-Fi design which involved:** uploading the floor plans onto our design software, scaling the plans and drawing the building and inputting all attenuation areas such as walls, doors, electrical appliances and furniture etc. Then we created Wi-Fi coverage heat maps for the communal and staff areas.
- A channel and power plan for 2.4 & 5Hz to avoid CCI was also created alongside a capacity plan to ensure the wireless capacity is sufficient for all tenants to connect concurrently.

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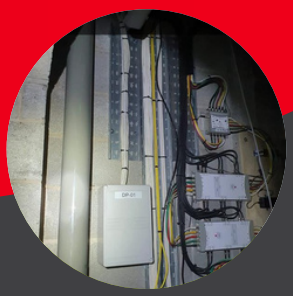
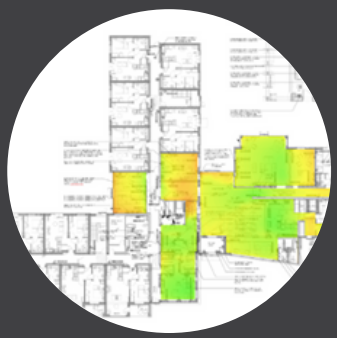


INSTALLATION AND SECOND FIX

- **The next step was the installation**: All data cabling was in place and ready for us to install our access points and set up the network room.
- **We returned at the second fix stage to**: install and commission the fibre broadband service and install a firewall, POE switch and controller into the network cabinet. We terminated and tested the network cabling to be used for the Wi-Fi access points. The Wi-Fi access points were then mounted into the ceiling voids and the Wi-Fi network was configured. Final testing was completed in all areas before we provided log on details for the tenants.

THE RESULT

All 69 tenants were provided with a reliable Wi-Fi connection in the communal areas of the building. Wi-Fi was also provided for the staff and management team, and all users were provided an individual and secure log in. The housing association now has a fully managed and supported communal Wi-Fi system for their tenants and staff.



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