

# Gentoo (Sunderland)

## The Challenge

Gentoo Group is a housing association that owns and manages more than 29,000 properties in Sunderland. In the early part of 2018, the Group was informed by Ofcom that the frequency of their 28GHz point-to-point (PtP) network was due to be taken over by the new 5G mobile network. This meant that, unless they updated their network, they would face a substantial fine.

Their network, comprising of 11 PtP links, needed to be upgraded as a matter of high priority. Therefore, they reached out to KBR in search of a more reliable, future-proof solution.

## How We Helped

KBR have a comprehensive portfolio of quality licenced and unlicensed PtP solutions, acquired through years of experience and technical knowledge. This allowed us to provide Gentoo with the perfect technology on a link-per-link basis, taking into consideration line-of-sight, distance and bandwidth requirements, thus delivering the highest speed and reliability.

The project was completed with the installation of 12 wireless connections, which delivered throughput speeds of up to 2.5Gbps. This involved a complete redesign of their network topology, giving Gentoo a level of connection speed and reliability superior to anything they had enjoyed previously. The new setup provided the capability to support their door systems, fire alarms and other applications through a single network.

Since the initial project we have upgraded a further seven connections with another 17 links in the works.

# 12

wireless connections  
with the ability to  
deliver speeds up to:

## 2.5Gbps



Exceptional  
Customer Service



Future-Proof  
Network



Unmatched Speed  
& Reliability



"KBR provided us with the perfect point-to-point solution. The reliability of our systems greatly improved, and the level of service and professionalism has been second to none. We'd certainly recommend KBR to any large organization in need of better connectivity."

- Gary Smith (Systems Support Engineer), Gentoo