

Kirklees Borough Council

**Enables internet connectivity for rural schools
whilst providing wireless connectivity for technology assets**



Project Information

Client: Kirklees Borough Council
Project Duration: January 2012 – December 2015
Project Value: Circa £1m
Brief Scope: Design, installation and commissioning of a wireless cross-Borough telecommunications network for a variety of technologies and users

Background

Kirklees Council required the delivery of a secure Wireless Network solution, which was both geographically expandable (footprint growth), and designed with enough spare capacity to enable future systems which transmit IP data to be added by the Client on a "plug and play" basis.

A key aspect of designing the network system was to ensure that the network could accommodate new equipment assets in geographically diverse areas across the region.

These requirements were identified at the capture requirements phase of Dynniq's involvement. Through Dynniq's approach to Client engagement, the dedicated telecommunications consultancy team worked with the Client to demonstrate the future potential capability of their network.

Solution

Dynniq designed the network using desktop studies to map radio interference areas, enabling the generation of heat maps to prove the wireless solution would work in areas initially thought marginal for this type of technology. This predictive style of engineering and use of scientific knowledge enable the Council to have an overview of the strategy for growth of the network system Dynniq is delivering. Through the delivery of a wireless network, Dynniq has enabled the Council to move away from the prohibitive traditional leased lines with the associated ongoing revenue cost.

Outcome

Dynniq delivered a secure Wireless Network within the Council's budget, providing 'Best Value' and overall 'Value for Money'. The communications network provides wireless connectivity across the Borough of Kirklees for both technology assets, such as traffic signals and CCTV cameras, and internet connectivity for rural schools and outlying Council offices.

Dynniq's telecommunications team demonstrated their knowledge with their approach to our [regional] issues. It's great to have a network that not only serves our direct requirements for highway technology but also enables the provision of an internet network for others

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