

# FLEXIBLE SOLUTIONS



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# BLACKBURN WITH DARWEN COUNCIL STRATEGIC NETWORK DEPLOYMENT

Blackburn with Darwen is home to a population of 146,743 spanning across Lancashire's Blackburn, the small town of Darwen to the south of it and the surrounding countryside.



Reduced costs for the council, with the new network including the incorporation and upgrade of existing infrastructure



A flexible network solution that will allow the council to migrate all essential services whenever necessary

## THE CHALLENGE

Blackburn with Darwen Council's existing network infrastructure was fragmented in design with individual circuits being bought from numerous telecoms providers. As a result, if a technical problem arose, it was difficult to pinpoint where the responsibility lay, meaning that the Council's response to network failures was slow.

## TNP'S SOLUTION

TNP recognised that Blackburn with Darwen Council needed an innovative solution that would maximize previous investment. In order to match the Council's objectives, a partnership was formed with TNP that would deliver a an ultra-modern, multi-technology solution. Implementing an infrastructure that incorporated multiple technologies meant that the solution would provide the council with flexibility and longevity.

TNP has designed and built a strategic Council-owned wide area network (WAN). With councils across the UK subjected to financial pressure, the new network will reduce the Council's dependence on revenue budgets, while releasing money that can be invested in other key services.

To deliver this system, TNP has put a range of technologies in place that incorporate the existing Council-owned infrastructure into the network. These technologies include local loop unbundling, carrier-class microwave radio systems and fibre-optic cabling.

In addition, Blackburn with Darwen Council own all of the components of the infrastructure. This means the new network adheres to the principles of the PSN structure and ensuring resilient, secure connectivity to the town and surrounding areas. This was made possible because TNP has a licence to operate directly within and across BT's telephone exchanges, meaning that the Council can benefit from the provider's superfast broadband offering, without being limited to BT's technology products and offerings.

## THE BENEFITS

The benefits Blackburn with Darwen Council have realised through the delivery of this project include:

- A resilient network that is not restricted to a single provider or technology
- Improved services across the board, including delivery of the latest technologies and migration to the cloud-based services
- Compliance with PSN principles.