

# GREATER DIGITAL NETWORK CAPACITY

ENGINEERING  
CONNECTIVITY  
CONSULTANCY  
SECURITY  
SUPPORT

# BATH AND NORTH EAST SOMERSET COUNCIL

A redesign of Bath and North East Somerset Council's digital network is delivering greater capacity using existing infrastructure, while at the same time opening up the opportunity for more efficient use of technology whilst reducing costs.



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## THE CHALLENGE

Bath and North East Somerset Council took ICT in-house in 2013, with a network consisting of approximately 50 sites including schools, council buildings and libraries.

The existing WAN used LLU infrastructure based on three BT Openreach telephone exchanges, but did not use the latest fibre-based technology or next generation access (FTTC/NGA).

Like most local authorities the Council wanted to provide increased bandwidth, capability and resilience without a major increase in spending. It looked for a partner to take over the support and maintenance of its local loop unbundled infrastructure (LLU) and find ways to invest and add value to the network, keep costs down and increase support.

## TNP'S SOLUTION

TNP's solution adds significant value by redesigning the existing network to increase capacity using newer technologies, and opening up the full range of technical possibilities offered by the underlying service provider BT Openreach. This enabled the network to be enhanced without a complete WAN refresh.

TNP was able to use its extensive knowledge and capabilities to deliver a separate new and cost effective LLU solution. TNP worked with the Council to exploit its investments in core switching technology and local staff skills.

## THE BENEFITS

- Open book contract pegs underlying and vendor costs to a fixed margin with a framework of professional service fee rates, reducing both initial install and on-going costs.
- Use of existing technology minimises costs, takes advantage of existing investment, and makes best use of Council ICT staff and their familiarity with installed technologies.
- TNP's expertise and experience gives the Council access to newer proven technologies and provides training to council staff while improving management of network and existing assets.
- The solution supports the strategic direction for future development and investment to deliver greater capacity, resilience and flexibility.