

Case Study



Sector: Telecommunications
Project: Rural Broadband Deployment
Location: Lancashire

Company profile and request:

B4RN has been set up as a not-for-profit organisation in order to tackle the problem of digital divide between remote and rural communities. Local residents of the East Lancashire decided to provide their community with 1000Mbps fibre-optic broadband network, one of the fastest in the world.

Project goals and strategy:

The organisation needed an enclosure to hold complex fibre solutions supported by a robust thermal management system to provide heating and cooling suitable for the equipment.

The outcome/benefits:

- ✓ Enclosures supported by a robust thermal management system to provide heating and cooling suitable for the equipment
- ✓ Significant energy conservation
- ✓ Intelligent speed control in the cooling system providing extended life of the components
- ✓ Lowered costs related with the energy and material consumption
- ✓ Minimized environmental impact
- ✓ Rainford Solutions profile fitted in with the client's aim of keeping everything as local as possible



Customer recommendation:

'These fibre-only cabinets (together with the full-capacity buried ducts) are a far neater solution providing a higher reliability, future-proofed, solution for generations to come. Do it once and do it correctly.'
Broadband for the Rural North