



CASE STUDY

# Digital Electricity™ Enables First-Time NGA Broadband Access with New Remote DSLAM Cabinet Installation



## Industry

Fault Managed Power  
Wireless Densification



## Solution

DSLAM cabinet Telent's  
VoltServer service  
VoltServer Transmitter  
and Receiver units

## Introduction

Telent's VoltServer solution allowed a new remote DSLAM cabinet to be installed, providing customers with access to NGA broadband for the first time.

## Project Overview

### The Facility

A remote rural location that lacked access to Next Generation Access (NGA) broadband due to its distance from existing infrastructure.





## Installation and Training

Telent's engineers installed VoltServer transmitter and receiver units, utilizing existing infrastructure such as telecom ducts to minimize disruptions and costs. The touch-safe nature of VoltServer facilitated installation without the need for heavy armored cables.

## Results and Future Expansion

Waiting for wayleaves to be granted significantly slowed down the ability to bring the new DSLAM cabinet into operation. VoltServer Digital Electricity was run in the existing duct, which meant that the new electrical connection was established quickly without additional wayleaves.

Telent's end-to-end electricity supply connection service provided a single point of contact for the client's network planning team, which significantly cut down on the workload involved in powering new infrastructure.

The touch-safe nature of the product meant that the Telent could run the electrical power alongside other cables in existing ducts. Plus, standard electrical cables were used without the need to use heavy armored cables. This reduced costs and improved efficiency.

The fact that an existing duct was used meant that civil engineering disruptions were minimized. This reduced disruptions to internal and external stakeholders and reduced civil engineering activities in laying the new power supply.

## Conclusion

Through the innovative application of VoltServer's Digital Electricity technology, Telent successfully addressed the challenges of powering a new DSLAM cabinet in a remote rural area. This facilitated NGA broadband's expansion and demonstrated the potential for future deployments and infrastructure enhancements in similar settings.

To learn more or schedule a demo, visit [voltserver.com](http://voltserver.com)  
or call **888-622-8658**.

