

Built Private P2P Wireless Network in a Closed Mining Town

A closed mining town had no usable telco infrastructure and overloaded 5G, leaving 200 homes and small businesses without reliable internet. We designed and built a private point-to-point wireless network from a hilltop POP to every property.

KEY RESULTS

200+

homes and businesses connected

500Mbps

minimum speed to the POP per property

2x 1Gbps

segregated internet breakouts at the tower

BEFORE

- No telco willing to install fixed infrastructure in the closed town and NBN only wanted to install wireless
- 5G was overloaded and unusable for everyday work, streaming and payments
- 200 homes plus a cafe, general store, school, post office, restaurants, gym, rec center, child care center, pubs, healthcare center and fuel station needed reliable connectivity
- Network had to be completely isolated from the mining company's corporate traffic

AFTER

- 200+ - homes and businesses connected
- 500Mbps - minimum speed to the POP per property
- 2x 1Gbps - segregated internet breakouts at the tower
- Built a point-of-presence (POP) tower on a hill overlooking the town

"For the first time we could run the cafe EFTPOS, stream at home, and video-call family without fighting the network."

- Townsite facilities coordinator