

# Dark Fibre Network – Demo Data Sheet

This demo data sheet provides an overview of a modern terrestrial dark fibre network designed to deliver scalable, high-capacity connectivity between critical infrastructure locations. Built to support carriers, hyperscalers, data centres, enterprises, and government networks, the platform enables full control of optical equipment, wavelengths, and routing performance.

## Network Overview

- 1 Carrier-grade terrestrial fibre backbone across South East Queensland
- 2 Direct connectivity between Cable Landing Stations (CLS), carrier hotels, and data centres
- 3 Low-latency diverse routing designed for mission-critical workloads
- 4 Future-ready infrastructure supporting 100G, 400G and beyond

## Key Features

Feature	Description
Dark Fibre Access	Dedicated fibre strands with full customer equipment control
Route Diversity	Engineered paths to reduce single points of failure
Scalability	Supports rapid bandwidth upgrades via new optical equipment
CLS Integration	Seamless extension from subsea landing stations into metro networks
Data Centre Connectivity	Direct interconnection to major critical infrastructure sites

## Technical Specifications (Demo)

Specification	Details
Fibre Type	Single Mode G.652D / G.655 options
Capacity	Unlimited via customer optical equipment
Typical Latency	Optimised metro and regional routing
Access Models	IRU, Long-term lease, or Managed Dark Fibre
Interconnects	IXPs, Carrier Hotels, Edge Locations

## Common Use Cases

- 1 Data centre interconnect (DCI) between metro and regional facilities
- 2 Subsea backhaul from cable landing stations
- 3 Enterprise private networks requiring secure high-capacity links
- 4 Carrier wholesale and IX peering connectivity

Note: This is a demo dark fibre network data sheet created for presentation and concept purposes only. Specifications and service offerings should be customised for production deployments.