

Communication Fiber Optic Cables for Smart Buildings in Papua New Guinea



Article Overview

Papua New Guinea has a growing fiber optic network infrastructure, supported by local contractors and international submarine cables, enabling high-speed connectivity for smart buildings.

Fiber Optic Infrastructure in PNG

Papua New Guinea has made significant investments in fiber optic networks to support urban and remote connectivity. The Coral Sea Cable System (CS2) is a 4,700 km submarine fiber optic cable linking Port Moresby to Sydney, Australia, with a total capacity of up to 40Tbps. This system provides high-speed, reliable, and low-latency international connectivity, which is essential for smart building applications requiring cloud services, IoT integration, and real-time data transmission. Domestically, PNG DataCo manages the National Transmission Network (NTN), which has laid over 12,000 km of fiber-optic cables, covering approximately 80% of the population. The network supports broadband connectivity for businesses, government, healthcare, and educational institutions, providing a backbone for smart building deployments.

Local Fiber Optic Service Providers

Several local companies specialize in fiber optic solutions suitable for smart buildings:

- Cetelnet offers end-to-end services including network design, trenching, aerial and underground installation, fusion splicing, testing, and maintenance. They serve tele...

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New submarine cable to boost connectivity in Papua New Guinea and ...

Vocus Group and Alcatel Submarine Networks (ASN) have signed a contract to deploy the Coral Sea Cable System – a new

Sep 30, 2025

PNG DataCo Expands National Transmission Network with 12,000 km

This infrastructure supports a terrestrial fibre network that connects all 22 provinces and currently reaches 48 of the

Aug 25, 2025

Papua New Guinea National Broadband Plan 2022

In Papua New Guinea, these challenges are magnified by the extent of rural and remote locations, including unconnected or poorly

Aug 01, 2025

THE PAPUA NEW GUINEA DIGITAL TRANSFORMATION JOURNEY

GovPNG Tech Stack & Implementation Framework A national framework to guide the use of technology therefore enable a digital

Feb 06, 2026

Coral Sea Cable System (Australia Papua New Guinea Solomon

Project highlights The Coral Sea Cable System (CS2) is a 4,700 kilometre (km)-long fibre optic submarine telecommunications cable,

Jan 09, 2026

Leading Telecommunications Contractor Port Moresby

Whether it's designing mobile towers, deploying fiber networks, or maintaining critical infrastructure,

Feb 07, 2026

Enhance Connectivity Today

Faster, more affordable and reliable communications infrastructure is now available to Papua New Guinea and Solomon Islands, with

Jul 31, 2025

How Smarter Network Infrastructure Is Powering the Next Generation

What is Optical LAN? This modern network, built on fiber optics, is becoming the preferred infrastructure for smart buildings. Here's

Feb 05, 2026

PNG DataCo's ambitious roadmap for the internet in Papua New Guinea

A total of 12,000 km of fibre-optic cables has been laid to date as part of PNG's broadband network, the National

Aug 18, 2025

East Coast Group Ltd

East Coast NetLink provides fiber optics connectivity solutions for businesses and organizations in Papua New Guinea. We offer high

Jan 10, 2026

About Us - PNG DataCo

PNG DataCo Limited (DataCo) is a state-owned entity committed to provide wholesale telecommunication

Dec 16, 2025

The Coral Sea Cable: One Step Closer to Cheaper Internet for PNG

TechInPacific - The Coral Sea Cable is a collaborative project between Australia and Papua New Guinea (PNG)

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#networking #cabling #infrastructure #pacifictech # ...

From structured cabling and Fiber optics to CCTV, voice, data, and wireless deployments, our certified team delivers precision,

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Technical, Vocational Education Training provides relevant practical skills, attitudes, knowledge and understanding relating to the

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Information and communications technology in Papua New Guinea: a

Digital Transformation: The Role of Mobile Technology in Papua New Guinea (GSMA Association, 2019) Connecting

Jan 27, 2026

New cable system to increase internet access and

The underwater fibre optic cable will provide significantly faster internet to Papua New Guinea when

May 15, 2026

PNG DataCo Coverage – PNG DataCo

DataCo operates and maintains an extensive network of over 12,000km of fiber optic cable both internationally and locally. In

May 27, 2026

PNG National Cable Network Enables New Route to Sydney, Australia

Huawei Marine announced that it will help Papua New Guinea to build national submarine fibre cable network,

Oct 08, 2025

Google to build undersea cables in Papua New Guinea under

Google will build three undersea cables in Papua New Guinea, which have been funded by Australia as part of mutual

Aug 30, 2025

Coral Sea Cable System Overview

The Coral Sea Cable System (CS 2) connects both Papua New Guinea (PNG) and the Solomon Islands to the major

Apr 11, 2026

What is driving enhanced ICT services in Papua New Guinea?

The laying of two subsea fibre-optic cables – one international and one domestic – are among the recent and promising ICT

Contact Us

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