



# **Current Status of Fiber Optic Communication in Papua New Guinea**





## Overview

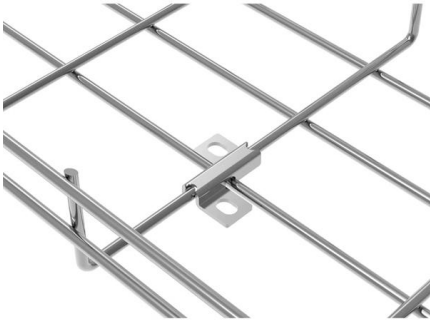
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Papua New Guinea is enhancing its digital infrastructure through an extensive National Transmission Network. PNG DataCo, a subsidiary of Kumul Consolidated Holdings, operates the NTN, which spans over 12,000 km of fibre cable. As telecommunications connectivity reaches 80 per cent of Papua New Guinea's population, Business Advantage PNG looks at how the country's telecommunications wholesaler, PNG DataCo, is working to encourage greater adoption of the internet by business and consumers. Papua New Guinea's internet system continues to rely heavily on fibre optic cables, despite the growing presence of satellite-based services across the country, according to PNG DataCo. Work is underway to lay high speed telecommunication cables from Australia to Papua New Guinea and Solomon Islands, including a domestic network connecting Honiara with Auki, Taro and Noro. The Coral Sea Cable System (CS 2) will deliver faster, cheaper and more reliable communications. In addition, DataCo manages three tied data centers and 51 satellite infrastructures throughout Papua New Guinea (PNG).



## Current Status of Fiber Optic Communication in Papua New Guinea

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### Fibre network remains backbone of internet in PNG - DataCo

Papua New Guinea's internet system continues to rely heavily on fibre optic cables, despite the growing presence of satellite-based services across the country, according to PNG DataCo.

### Trusted Fiber Optic Contractor Papua New Guinea

From high-speed internet rollouts in urban centers to connectivity solutions in rural and remote areas, Cetelnet provides complete fiber optic contracting services



### Leading Fiber Optic Supplier Port Moresby

In today's connected world, high-speed communication is no longer a luxury--it's a necessity. As the capital of Papua New Guinea, Port Moresby is at the heart of

### The System -- Coral Sea Cable Company

Faster, more affordable and reliable communications infrastructure is now available



to Papua New Guinea and Solomon Islands, with construction of the CS2 and

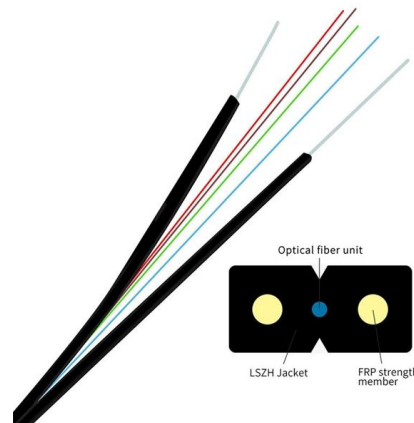


### From The Report: Papua New Guinea 2020

The laying of two subsea fibre-optic cables - one international and one domestic - are among the recent and promising ICT developments in Papua New Guinea. There is optimism that these will help

### Understanding the Regulatory Environment for ICT

Over the past decade, digital connectivity has emerged as a critical new form of infrastructure, akin to roads, energy, or ports--underpinning



### New cable system to increase internet access and

The underwater fibre optic cable will provide significantly faster internet to Papua New Guinea when completed. With a capacity of up to 20 terabits the new cable



## Country Report for Papua New Guinea

In Papua New Guinea, there are 2 data centers and there are 2 active IXPs. As of 2024, the population of Papua New Guinea was 10,576,502. The United Nations defines it as a small island



## Leading Fiber Optic Supplier Papua New Guinea

In today's fast-moving digital world, high-speed connectivity is essential for economic growth, communication, and access to information. As Papua New Guinea expands its digital infrastructure,

## Papua New Guinea ICT Research & Analysis 2019 , Oxford Business

With the completion of two undersea fibre-optic cable projects due in the near term, Papua New Guinea's ICT industry is on the cusp of significant change. The new infrastructure should bring down



## Trusted Fiber Optic Contractor Lae

Trusted Fiber Optic Contractor Lae As digital infrastructure continues to expand in Papua New Guinea, Lae is emerging as a vital hub for connectivity, commerce,



## The Coral Sea Cable: One Step Closer to Cheaper

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

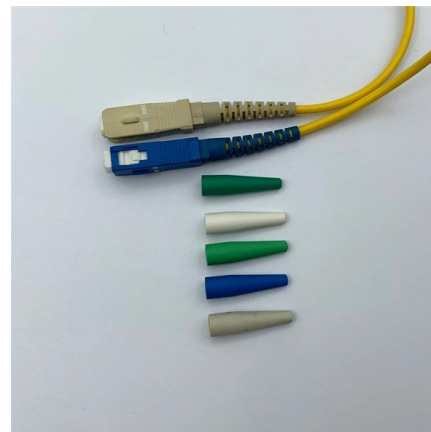


## PNG DataCo's ambitious roadmap for the internet in

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

## Papua New Guinea's national broadband network

The dream of high speed broadband in Papua New Guinea has taken a step closer, with the completion of a fibre-optic cable connecting Gulf Province



## 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 country's 96 districts. Such extensive coverage is crucial for enhancing



## Understanding the Regulatory Environment for ICT

Abstract Over the past decade, digital connectivity has emerged as a critical new form of infrastructure, akin to roads, energy or ports--underpinning



## East Coast Group Ltd

East Coast NetLink provides fiber optics connectivity solutions for businesses and organizations in Papua New Guinea. We offer high-speed, reliable and secure internet access, data transmission and

## PNG's telco services improved over 10 years

Papua New Guinea's telecommunications services have improved significantly over the past 10 years, with substantial government investment in





## Infrastructure challenges for Papua New Guinea's future

Source: World Bank, Papua New Guinea: International & Domestic Submarine Fiber Optic Cable Connectivity -- Technical and Economic Evaluation & Implementation Options Report -- Draft Final

## Internet Infrastructure and Pricing in Papua New Guinea

Currently, the internet is so expensive in the country because the ISPs rely on backup satellite service which is quite expensive compared to fibre,



## 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 developments in Papua New Guinea. There is optimism that these will help

## Telecommunications rollout speeds up

Fixed-line services are no longer the mode of communication right now in the country. PNG DataCo is aiming to bridge the connection gap with the



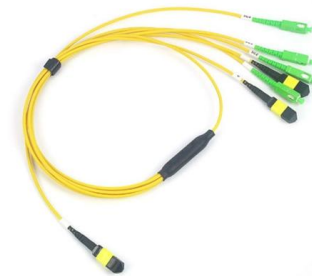
### **PNG DataCo Coverage - PNG DataCo**

The company's presence spans 67 out of the 96 districts in PNG, with 44 districts connected via fiber optic and 23 districts via satellite, achieving a 70% district connectivity rate across the country.



### **5G is Coming to Papua New Guinea: How DataCo is**

Papua New Guinea (PNG) is preparing to enter the 5G era. This leap will transform connectivity across the country. Indeed, it's more than just faster



### **DataCo expands network in PNG**

After 10 years in operation, DataCo has grown to operate and maintain an extensive network of over 12,000km of fiber optic cable, both internationally and locally. In addition, DataCo manages two





## The Coral Sea Cable System: supporting the future

Work is underway to lay high speed telecommunication cables from Australia to Papua New Guinea and Solomon Islands, including a domestic network



## Digital & Connectivity Indicators

Papua New Guinea: The \*G network coverage in Papua New Guinea is estimated to amount \*\*\*\*\*% in \*\*\*\*. The Digital & Connectivity Indicators refer to the various technology-related and digital

## Understanding the Regulatory Environment for ICT

Through this case study, CIPE, the Institute of National Affairs (INA), and the Center for Indonesian Policy Studies (CIPS) analyze the Coral Sea Cable



## Enhancing connectivity

In a significant moment for Papua New Guinea, recent developments in internet communications promise to transform the landscape of connectivity in



## Papua New Guinea ICT Sector Research Highlights

The laying of two subsea fibre-optic cables - one international and one domestic - are among the recent and promising ICT developments in Papua New Guinea. There is optimism that these will help



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