

Fiber Optic Cable Connection Project for Smart Buildings in the Philippines



Article Overview

The Philippines is expanding its National Fiber Backbone to support smart buildings and digital infrastructure nationwide, enhancing high-speed internet access and enabling smart city development.

National Fiber Backbone and Digital Infrastructure

The National Fiber Backbone (NFB) is a core initiative under the Philippine Digital Infrastructure Project (PDIP), led by the Department of Information and Communications Technology (DICT). It aims to establish a secure, nationwide fiber optic network that serves as the backbone for high-speed internet, connecting Luzon, Visayas, and Mindanao . The project combines fiber optic cables with wireless technologies to ensure fast, reliable, and affordable internet access, particularly in underserved and geographically isolated areas . The NFB is being implemented in multiple phases:

- Phase 1: Launched in April 2024, covering 1,245 kilometers from Laoag, Ilocos Norte, to Quezon City, with 28 nodes and 600 Gbps optical spectrum capacity .
- Phases 2 and 3: Expanded coverage to Cagayan Valley, CALABARZON, Bicol, Eastern Visayas, and Mindanao, adding approximately 1,800 kilometers of fiber .



Article Content

More Than 20 million Filipinos to Benefit from Improved Broadband ...

WASHINGTON, OCTOBER 10, 2024 – More than 20 million Filipinos are going to enjoy better internet with the approval of funding

Fiber to-the-Building | FTTB Services Company Philippines

Proper Fiber Optic Set-Up With Fiber-to-the-Building, you are ensured connectivity through your various offices and individual spaces

PLDT DFON

PLDT's Domestic Fiber-Optic Network (DFON) is a nationwide fiber optic backbone network in the Philippines, comprised of nodes

Globe FOBN

Globe Telecom's Fiber Optic Backbone Network comprises three parts, i.e. Globe's FOBN and FOBN-2 and Telephil's National

Philippines Fiber Optic Cable Market (2025-2031) | Trends, Outlook ...

Philippines Fiber Optic Cable Market Size Growth Rate The Philippines Fiber Optic Cable Market is poised for steady growth rate

PHILIPPINES FIBER OPTIC CABLE NETWORK LTD.

Philippines Fiber Optic Cable Network Ltd., Inc. Resilient Nationwide Underground Fiber Network – Built for the Future A cost

Philippines government launches national fibre backbone project

The Philippines government has launched a new national fibre backbone project (Credit: Connect world/Shutterstock) President

Philippines Fiber Optic Cable Network Ltd., Inc

Company Overview Philippines Fiber Optic Cable Network Ltd., Inc. ("PFOCN") is a subsidiary of Singapore HyalRoute Group.

Unlocking the Philippines' Digital Transformation by Increasing ...

The Philippines Digital Infrastructure Project, approved in October 2024, is investing in the national fiber optic backbone

Fiber Internet and the Future of Smart Cities in the Philippines.

As the Philippines continues to embrace smart city initiatives, investing in robust fiber infrastructure will be essential for creating

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