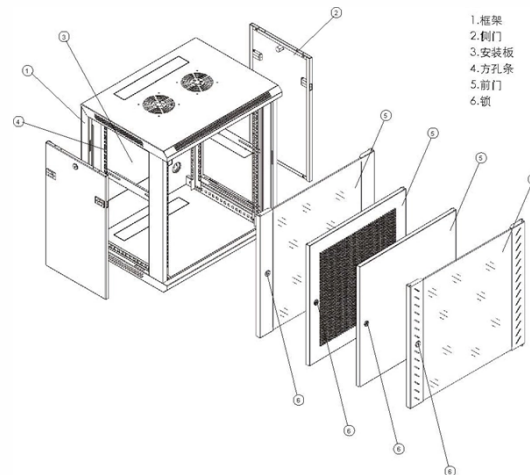
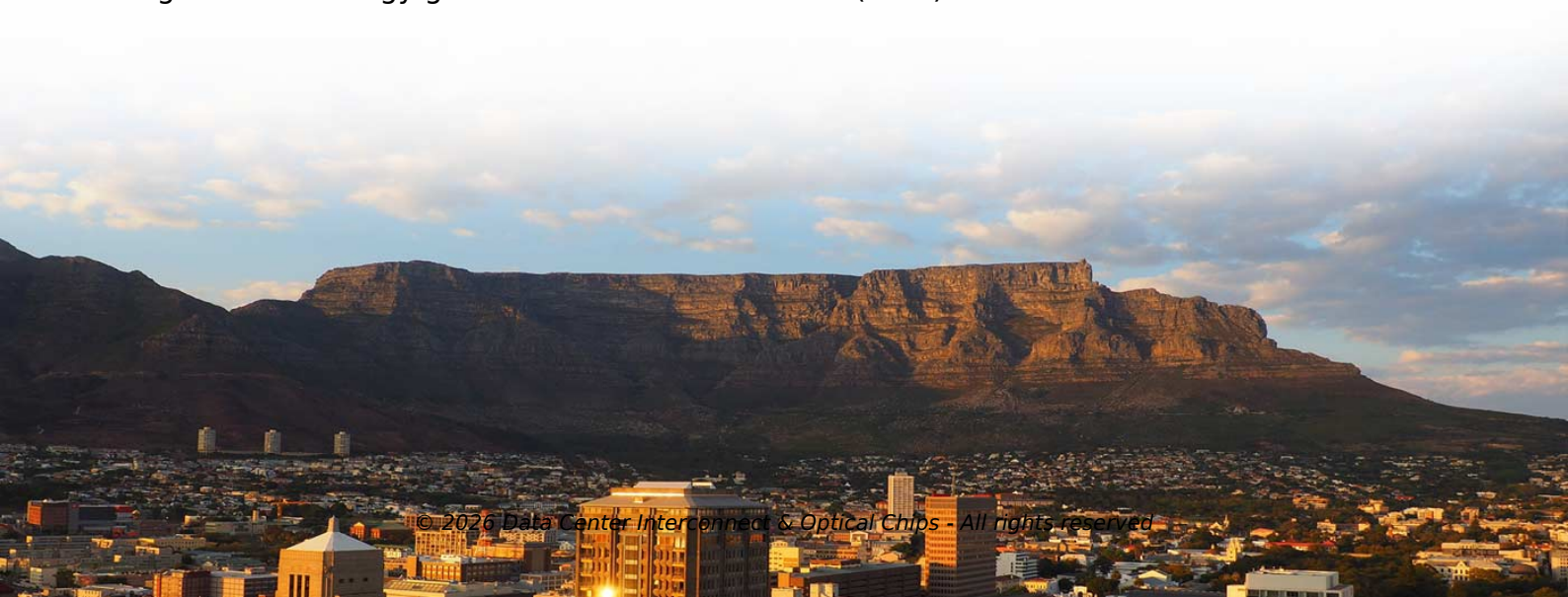


Japan lays optical cables



Overview

Tokyo, Japan, 18 July, 2025 – The SJC2 consortium (*1) announced today with NEC Corporation (NEC; TSE: 6701) the completion of construction and the start of operations for the Southeast Asia-Japan Cable 2 (SJC2), a high-capacity optical submarine cable connecting the Asia region. Tokyo, Japan, March 21, 2024 - NEC Corporation (NEC; TSE: 6701) and NTT Corporation (NTT) today announced that they have successfully conducted a first-of-its-kind transoceanic-class 7,280km transmission experiment using a coupled 12-core multicore fiber (*1), which consists of 12 optical signal. The big picture: Fiber optics have increased network capacities significantly, but submarine cable technology has remained largely static in recent years. 125 mm) optical. Japanese tech titans NTT and NEC reckon they've proven the performance of a novel fiber optic technology that could increase capacity of submarine cables by a factor of 12. The two will detail their efforts at next week's Optical Fiber Communication Conference – the world's pre-eminent forum on the. LS Cable & System & LS Marine Solutions announced today their official participation in the new Japan-Korea (JAKO) submarine cable system linking Fukuoka, Japan, with Busan, Korea. The JAKO submarine cable project involves a consortium comprising global technology giants Amazon Web Services (AWS).



Article Content

Submarine Cable Systems: Products & Solutions | NEC

Concluding a long-term charter contract for an optical submarine cable-laying ship to bring the power of "Made in Japan" to the world Submarine Cable Systems Help

Japanese Fiber Optic Cable Manufacturers

Japan is renowned for its technological innovations and high-quality manufacturing, and this reputation extends into the field of fiber optic cable production. Japanese manufacturers are at

The Strategic Future of Subsea Cables: Japan Case

As part of its mandate under the Economic Security Promotion Act to implement measures to secure critical infrastructure and protect advanced

NEC completes optical submarine cable construction in

NEC completed construction in 2019 with Okinawa Cellular under a contract to supply an optical submarine cable connecting Okinawa and

Japan's NTT and NEC reckon they can 12x optical networks

Japanese tech titans NTT and NEC reckon they've proven the performance of a novel fiber optic technology that could increase capacity of submarine cables by a factor of 12.

A Huge Internet Cable Connecting The US And Japan Is

The new cable connects the US west coast to the Mie and Chiba prefectures in Japan, and will effectively double the current capacity along the

NEC and NTT successfully conduct first-of-its-kind long

Combining these technologies, NEC and NTT conducted long-distance transmission experiments over 7,280km, assuming a transoceanic-class

Connecting Continents: The People and Technology

Most people don't realize that over 90% of international internet traffic – from video calls to online shopping – travels through submarine cables that

AWS and Microsoft Lead to Build New Japan-Korea Submarine

The JAKO cable project aims to establish a high-speed undersea optical fiber cable linking Fukuoka, Japan, with Busan, Korea, to lay approximately 260 kilometers of undersea fiber

SJC2 optical submarine cable in operation: Press Releases | NEC

The SJC2 consortium announced today with NEC Corporation (NEC; TSE: 6701) the completion of construction and the start of operations for the Southeast Asia-Japan Cable 2 (SJC2),

Arctic Fibre Project to Link Japan and U.K.

A 24-terabit-per-second undersea cable will connect Japan and the U.K. and also bring broadband to remote Arctic communities

NTT Com to construct optical submarine cable connecting Japan,

NTT Com's Asia Submarine-cable Express (ASE), Asia Pacific Gateway (APG) and Pacific Crossing-1 (PC-1) cables will connect with JUPITER to provide a redundant three-route

Google announces investment of approximately 153

Google, which will be responsible for laying the submarine cables, said, "We will invest \$1 billion to lay two new submarine cables between Japan

High-speed plastic fiber cables for AI centers headed for production by ...

TOKYO -- Plastic optical cables that can double data transmission speeds will be mass-produced as early as 2029, under plans by Japanese chemical maker Tosoh, which eyes demand for...

US, Japan to Connect with Fiber-Optic Cable

Work will begin immediately on a new fiber-optic cable between the United States and Japan. The \$300 million project, called "FASTER," is to be

Japan's NTT and NEC showcase technology that can

Current submarine cables use single-core fiber with one optical transmission path called a core within a single fiber, but researchers have been

Japan set to make subsea cables a national security

Japan's subsea cable champion NEC is set to receive government support to buy the ships needed to put it on a par with US, French and Chinese

NTT Com to Build Optical Submarine Cable Connecting

The Cable will be Compatible with 400Gbps Optical Wavelength Division Multiplex Transmission System as the Fastest Submarine Cable

Japan set to make subsea cables a national security

Japanese telecoms groups NTT and KDDI own cable-laying vessels, which are rented out to NEC, but they are not the larger kind of vessels required

Meta's Undersea Cable Project Skirts Conflict Zones

Meta's ambitious 50,000 km undersea cable project, Waterworth, aims to connect five continents with cutting-edge tech. But can it navigate

NEC and NTT successfully conduct first-of-its-kind long

Tokyo, Japan, March 21, 2024 - NEC Corporation (NEC; TSE: 6701) and NTT Corporation (NTT) today announced that they have successfully conducted a first

The ship that lays the Internet's backbone

Many people are probably unaware that the Internet used everyday to connect to content and people around the world is supported by undersea optical

Japan's Full-Fiber Network Expansion

Japan's journey to becoming a leader in fiber optic network expansion is a story of vision, perseverance, and strategic investment. From its early

Japan's NTT and NEC showcase technology that can

The big picture: Fiber optics have increased network capacities significantly, but submarine cable technology has remained largely static in recent

Cable-laying ship backs Japan's push into offshore wind

Efficient cable-laying ship has flexibility to support fibre-optic and subsea power cable work With Japan making a big push to develop offshore

Progress toward increasing capacity of transoceanic

Combining these developed technologies, both companies conducted a long-distance transmission experiment over 7,280 kilometers, assuming a

NEC, NTT claim success in first-of-its-kind subsea optical fibre cable ...

Tech giant and leading Japanese telecoms provider reveals research making progress towards increasing capacity of transoceanic optical submarine cable through use of over 7,000km

Japan Protests Russian Plan To Lay Cable To Disputed Kurile Islands

Japan has lodged a protest against Russia's plan to lay fiber-optic cables to disputed islands that lay between the two countries, calling the construction work illegal and "extremely

The Worldfolio: The cables that connect Japan to the world

On one hand, although Japan was one of the first in the world to lay these fiber optic cables, as a result of that they are all much more outdated now

Submarine Cables

Submarine Cables This is an introduction to the intercontinental network of undersea fiber-optic cables, including legal regimes, jurisdiction, ownership, and security

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