



Press Release

## Nokia deploys fiber network in the heart of the Amazon rainforest with Global Fiber Peru

- The new underwater fiber optic, IP, and XGS-PON broadband network provides future-proof connectivity to the region, reducing the digital divide in 400 communities
- The towns of Iquitos and Santa Rosa de Yaraví (Peru), Leticia (Colombia), and Tabatinga (Brazil) were connected with fiber, bringing ultra-fast multi-gigabit broadband services to more than 500,000 people in the region for the first time

May 28, 2024

Lima, Peru. – Nokia announced today that it has implemented a new future-ready optical, IP, and submarine fiber broadband network in the Amazon rainforest with Global Fiber Peru, helping to bridge the digital divide. The extensive network connects more than 400 communities with multigigabit broadband access, which is essential in today's digital economy.

Founded in 2015 as a subsidiary of Grupo Satelital, Global Fiber Peru operates a fiber optic network with coverage throughout Peru, with a special emphasis on the 180 provincial capitals.

Buried in the Amazon River, the new underwater network interconnects 500,000 users in 400 communities located in the heart of the Amazon rainforest, in an area known as the border region, where Peru, Colombia, and Brazil share borders.

Nokia's submarine optical backbone connects the towns of Iquitos and Santa Rosa de Yaraví (Peru), Leticia (Colombia), and Tabatinga (Brazil), enabling Global Fiber Peru to offer the first FTTH (Fiber to the Home) broadband access service in the region, as well as multi-gigabit services for business users. The region has a diversified economy that includes oil production, agriculture (rice, corn, and cassava), timber extraction, fishing, tourism, and cross-border trade.

Nokia has implemented a complete solution that includes 1830 Photonic Service Switch (PSS) switches, 7750 service routers, 7250 interconnect routers, (SAS) 7210, network service platform (NSP), FX 8 and FX 16 optical line terminals (OLT), fiber optic network terminals (ONT), and Nokia Beacon 1 devices that help ensure a premium Wi-Fi experience within customer premises. The deployment was carried out in collaboration with FYCO, a local partner specializing in fiber telecommunications networks in Latin America.



Nokia and FYCO also provided training, professional services, and maintenance services. The agreement also includes upgrading the customer's existing fiber networks in Lima, Cusco, and Huancayo.

Rocío Castilla, CEO of Grupo Satelital, said: "Due to its impact on social, economic, and educational development by providing high-quality Internet access to thousands of people, this project is of utmost importance to our company. Thanks to our R&D team, we completed the initial phase of the project two years ago, connecting the district of Yurimaguas with the municipality of Iquitos via the Amazon River. From Iquitos, with Nokia, we completed the second phase of that underwater network. Nokia's leadership, experience, and ownership of innovative solutions are key components driving the success of our project."

Obed Dionisio, CEO of Global Fiber, said: "We are excited and proud to be the first company to successfully deploy a fiber optic network deep in the Amazon River, connecting three countries. This achievement closes an important digital divide in remote areas that were previously inaccessible by traditional means. Through our partnership with Nokia, a leading telecommunications company, we have enabled these isolated communities to access high-speed internet, putting them on par with urban areas in terms of connectivity."

Edwar Juárez, Co-CEO of FYCO, said: "We have made a bold and strategic decision to invest in and support the SATELITAL group in this important initiative, using Nokia's technology and innovation to bring connectivity to a region where dense jungle has long kept numerous communities isolated. We are proud to contribute to the development and quality of life of the people who live there. We will continue to invest in high-impact projects throughout Latin America that will lead us to a more inclusive and sustainable future."

Osvaldo Di Campli, Senior Vice President and Head of Network Infrastructure for the Americas at Nokia, said: "This project is important because it provides fiber connections for the first time to hundreds of communities in the heart of the Amazon rainforest. Broadband connectivity helps communities and local businesses grow and prosper. We are very pleased to be part of this project and appreciate Global Fiber Peru's trust in Nokia and FYCO, and we look forward to working on future projects together."

Resources and Additional Information

Webpage: [Nokia Broadband for the Future](#)

Webpage: [Nokia Fiber for Everything](#)



## About Nokia

At Nokia, we create technology that helps the world work together.

As an innovative leader in B2B technology, we are pioneering a future where networks meet the cloud to unlock the full potential of digital in every industry.

Through networks that feel, think, and act, we work together with clients and partners to create the digital services and applications of the future.

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