

No community out of reach

Together with Telebras, we're bringing digital
inclusion to Brazil's most remote regions



Bringing connection to daily life

Expanding GESAC to deliver the speed, scale, and reliable connectivity remote Brazil needs

Reaching schools, clinics, and Indigenous villages across nearly half of Brazil.

Together with Telebras, we're expanding GESAC to deliver internet where fiber can't go.



Education

Students and teachers have access to Ministry of Education platforms, research tools, and digital resources.



Healthcare

Clinics serving hundreds of families use telemedicine and share patient data securely.



Communities

Indigenous villages and rural towns connect with government services and loved ones via reliable broadband.

Bringing digital inclusion to the heart of northern Brazil

Northern Brazil covers close to half of the country's territory. It stretches across nearly 4 million square kilometers of rivers, forests, and remote towns. For the millions of people who live here, distance has too often meant disconnection. Schools have lacked the internet access to support modern learning. Health posts have struggled to share information and provide telemedicine. Families have been cut off from government services and opportunities available elsewhere in the country.

The Brazilian Ministry of Communications created the GESAC program to close this gap—extending digital access to rural and border regions where terrestrial networks are too costly or too complex to build. Telebras, the state-owned telecommunications company, has carried this mission forward. Yet, the next phase required something more: faster speeds, greater capacity, and the ability to scale connectivity to thousands of communities across the North. That's when Telebras turned to SES.

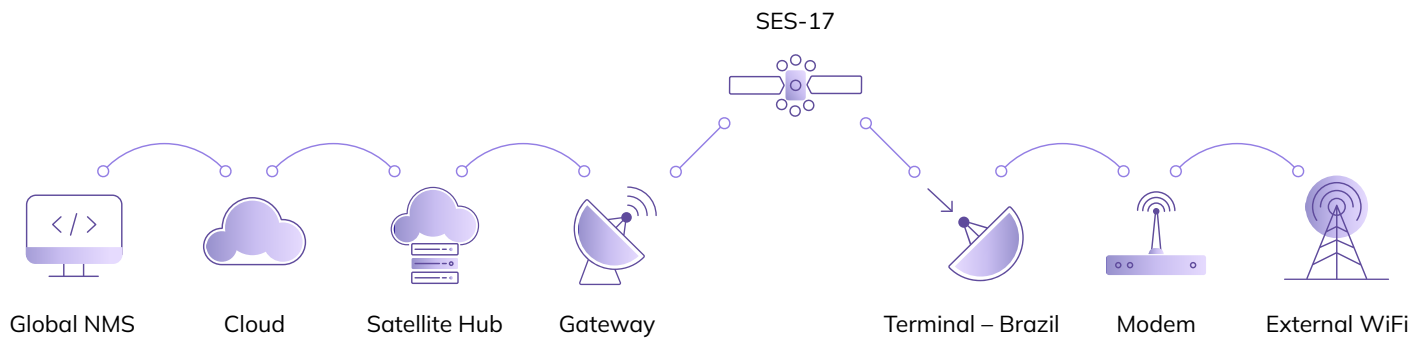
The challenge ahead

Connecting northern Brazil wasn't simply about turning on Internet access — it meant making digital tools part of daily life in schools, health units, and community centers across one of the hardest-to-reach regions on Earth. The requirements were ambitious:

- **Capacity:** Bandwidth needed to grow far beyond the 1 Mbps once available. Today, sites need 20, 40, even 60 Mbps to support real applications
- **Reliability:** Connections had to be stable enough to handle online learning, telemedicine, and government platforms without interruption
- **Scale:** Thousands of sites spread across the North, with many reachable by boat or dirt road only
- **Speed of deployment:** The Ministry needed results fast, with installation, operation, and maintenance delivered on an aggressive timetable.

Fiber and terrestrial networks couldn't deliver this kind of reach and resilience. Building them would take years and leave communities exposed to frequent outages. The only viable path was satellite — and it needed to be powerful, flexible, and proven.

The SES solution



SES answered with SES-17, our high-throughput Ka-band satellite for the Americas. We expanded GESAC with a solution designed for both resilience and growth.

At its core are VSAT installations across schools, health units, Indigenous villages, and government sites. Service tiers from 20/2 Mbps to 60/10 Mbps with Wi-Fi access give each location the bandwidth it needs — whether that's a classroom uploading student data, a clinic running telemedicine, or a community hub extending access more widely.

The network is backed by end-to-end management. Our global NOC in Luxembourg works in tandem with hubs in Brazil to keep services running, while trained local teams handle installation and field maintenance.

This is connectivity built with purpose: fast to deploy, scalable to demand,

and strong enough to support daily life in even the most remote regions.

Partnership in action

From the start, this project has been defined by collaboration. Telebras brought its national mandate, SGDC-1, and local expertise. SES contributed global satellite capacity, proven Ka-band technology, and operational know-how. Together we created a program that could scale quickly while staying rooted in the realities of northern Brazil.

The impact is clear. Schools once cut off from the Internet now use Ministry of Education platforms directly from their classrooms. Clinics serving hundreds of families can conduct teleconsultations and share patient information securely. Indigenous villages once isolated are now connected to broader networks for learning, community work, and cultural exchange. Each

of these stories shows how satellite capacity, when paired with local partnership, creates meaningful change on the ground.

Looking ahead

GESAC is more than a connectivity program — it's a blueprint for digital inclusion. With SES-17 in place and thousands of sites online, Telebras and SES are building a foundation that can grow with demand and adapt to new applications. As needs expand, our high-throughput capacity and future multi-orbit services will make it possible to reach even further, faster.

For Brazil's Ministry of Communications, Telebras, and SES, the mission is clear: no community should be out of reach. Together, we've proven that distance doesn't have to mean disconnection — and that satellite connectivity, when delivered with purpose, can open new possibilities for millions of people.

“When we say the project with SES and Telebras changes lives, this is what we mean — health, education, government services, staying connected with loved ones. We are proud to bring these opportunities to remote regions of Brazil.”

**Marcos Coseglio, Director of Sales,
Government Projects, Latin America, SES**



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Empower.
Soar.



Learn more about our
purpose-built satellite
and connectivity
solutions at ses.com

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