



TRANSFORMING UNIVERSAL INTERNET ACCESS IN THE PACIFIC WITH SATELLITE CONNECTIVITY & TOWER MANAGEMENT SOLUTIONS

**KACIFIC
BROADBAND
SATELLITES
GROUP**





Being a broadband satellite company

OVERVIEW OF KACIFIC1



State-of-the-art GEO satellite with **60 Gbps** bandwidth and useful life of **15 years**



High Throughput Satellite (HTS) payload



56 spot beams place capacity over selected islands and land mass



Transmitting over high-powered Ka-band

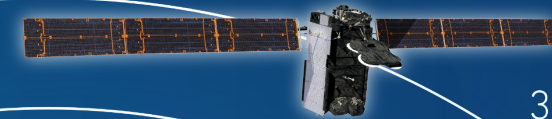


3 centralized gateways built in Australia, Philippines & Indonesia



99.97% availability
Reliable internet and latency suitable for nearly all regular internet usage, such as video streaming, voice calls over IP, browsing and distribution via 3G or 4G networks

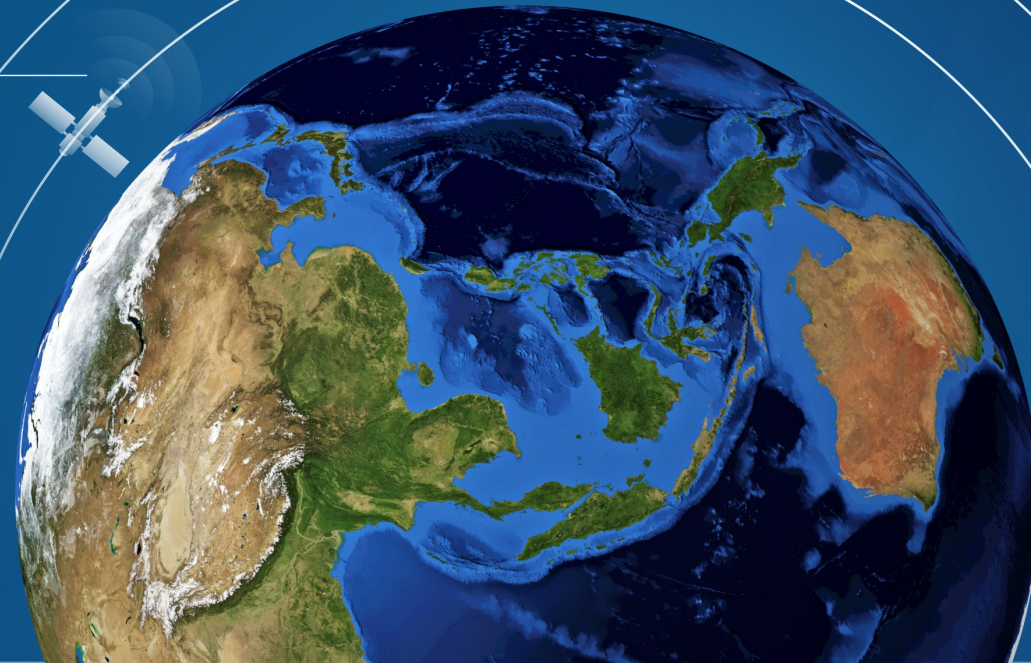
Kacific-1



GEO
35,786km

LEO

MEO

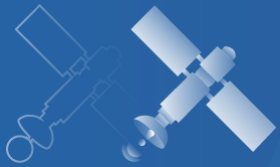


KACIFIC1 COVERS 25 COUNTRIES IN ASIA PACIFIC



- American Samoa
- Bangladesh
- Bhutan
- Brunei
- Cook Islands
- East Timor
- Fiji
- French Polynesia
- Guam
- Indonesia
- Kiribati
- Malaysia
- Micronesia
- Myanmar
- Nepal
- New Zealand
- Niue
- Northern Mariana
- Papua New Guinea
- Philippines
- Samoa
- Solomon Islands
- Tonga
- Tuvalu
- Vanuatu

GROWING PRESENCE IN ASIA-PACIFIC



1

Active Satellite



25

Countries



600M

Population Covered



500K+

End-Users Connected



600+

Distributors, Resellers



NATIONAL JUDICIAL STAFF SERVICE



LEVERAGE ON KACIFIC'S WIDE DISTRIBUTION SUPPORT

Key highlights

- Completion of 438 VSAT sites deployment in rural North Luzon (Philippines) in 30 days
- Completion of 450 VSAT sites deployment across the Philippines in 2 months

Countries	Total Distributors
Indonesia	239
Philippines	149
Papua New Guinea	42
Timor-Leste	9



EMPOWERING REMOTE COMMUNITIES

THE KACIFIC DIFFERENCE

Every geography. Every nation. Every community.

EDUCATION



EXPANDING MOBILE NETWORK REACH



TOURISM



ECONOMIC DEVELOPMENT



COMMUNITY BROADBAND



GOVERNMENT SERVICES



DISASTER PREPAREDNESS



HEALTHCARE



STATE OF DIGITAL IN THE PACIFIC

Unique Challenges and Opportunities in the Pacific



Approximately **20,000 to 30,000 islands**, spread across an area of more than **165 million square kilometres**.



~ **27.3%** of the population are **young (18 – 34) & eligible tech-savvy** users.



To enhance **mobile network accessibility** across the Pacific island nations from the current **27%**[^] penetration rate; there is room for improvement compared to the global average of over **90%**.

[^] The Mobile Economy Pacific Islands 2023 Report, GSMA



EMPOWERING PARTNERS & ISPS IN PACIFIC

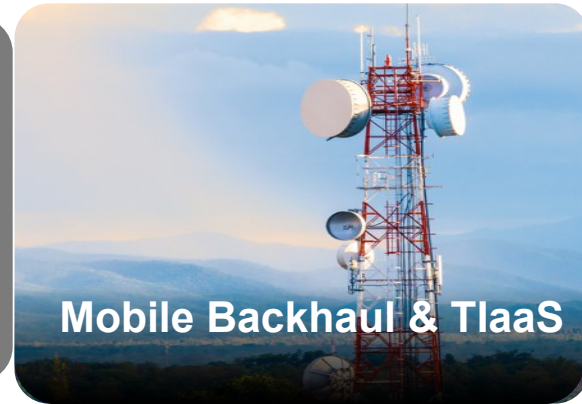


Kacific partners with local ISPs through a **revenue-share agreement**, ensuring over **40% of revenue** stays in the operating country and supports the economy.

- **Local team support includes:**
 - Recruiting and training Kacific Authorized Distributors (KADs), who sell and install satellite terminals in provinces.
- **Benefits for KADs:**
 - Acquire skills in ICT, installation, and sales.
 - Earn installation fees and receive terminal consignment discounts.
 - Gain recurring incentives from aftersales servicing.



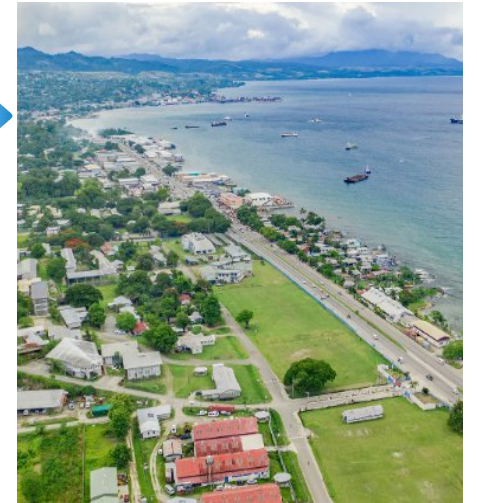
KACIFIC TAILORED SOLUTIONS EMPOWERING DIFFERENT SECTORS



SATELLITE-POWERED DIGITAL INFRASTRUCTURE



Role of Satellite Broadband Connectivity, Tower Infrastructure and 4G Solutions for the Pacific



Powerful, flexible, Satellite Broadband Solution

Satellites offer **cost-effective** broadband services to remote and rural areas, where traditional terrestrial infrastructure may not be feasible to deploy, providing resilience against **natural disasters**.

Scalable and Reliable Solution

Reliable alternative to existing connectivity solutions, assessing the current technology or coverage requirements, and **upgrading the current 3G sites**.

Upgrade to Latest 4G Technology

Transforming legacy equipment in rural sites to **robust 4G connectivity hubs**.

Comprehensive Digital Inclusion

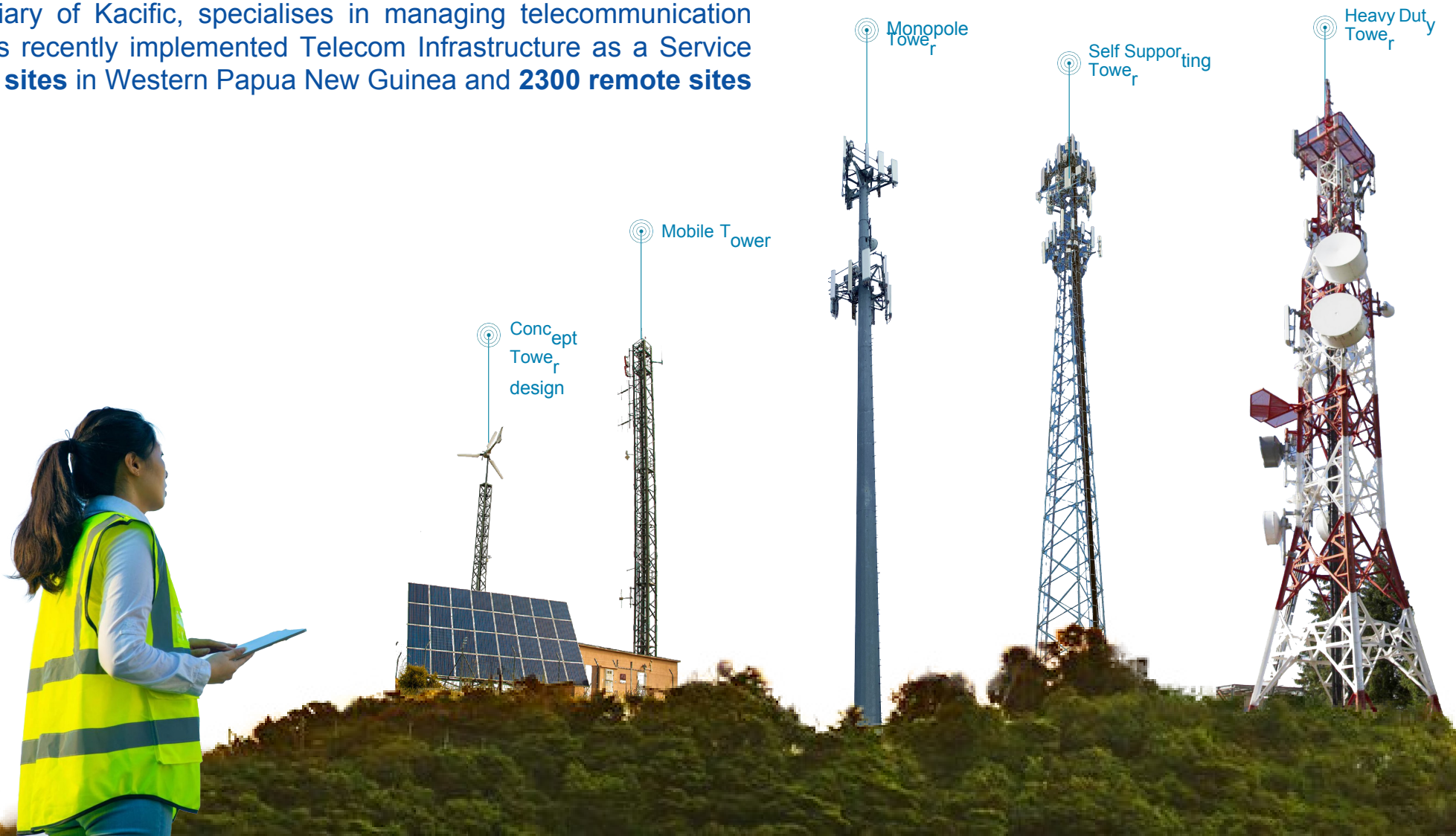
Ensuring comprehensive **digital inclusion** by providing high-quality, affordable broadband access.

Socio-Economic Catalyst

Leveraging 4G infrastructure as a service (IaaS) to **stimulate** socio-economic development in the **Rural areas**.

K-TOWERS – INFRASTRUCTURE AS A SERVICE

K Towers, a subsidiary of Kacific, specialises in managing telecommunication infrastructure and has recently implemented Telecom Infrastructure as a Service (TlaaS) at **70 remote sites** in Western Papua New Guinea and **2300 remote sites** in Philippines.



BENEFITS OF K-TOWERS BRING FOR REMOTE COMMUNITIES

A single tower supports **multiple functions**. Our towers in Western Papua New Guinea enhance overall safety and security, in addition to addressing rural communication needs with key MNOs such as Digicel, Vodafone, and Telikom PNG.

Use-cases Examples

1. Real-time Communication and Alarm systems
2. Real-time Weather Beacons
3. Aerial Surveillance Coverage
4. Navigation Aids For Air Beacons And Aviation Safety



DISASTER COMMUNICATIONS SOLUTIONS FOR MORE RESILIENT PACIFIC ISLANDS



CommsBox

All-in-one Emergency & Disaster Response Communication Box



CommsBox Ultra

Enhanced Version of Emergency & Disaster Response Communication Box



SatPack

Portable & user-friendly Satellite Communication Solution

SATPACK

Portable, user-friendly 75cm SatPack for instant, high-speed internet
Connectivity anywhere



Auto-pointing system for immediate, reliable,
seamless connectivity



Automated operations, no technical
expertise needed



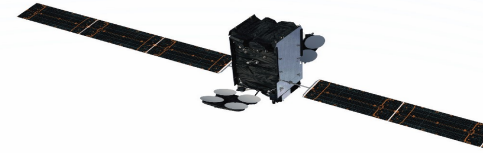
Easy-to-carry design for front-line
deployment



Reliable, fast, on-demand connectivity



Up to 50 Mbps
(40 Mbps Downlink, 10 Mbps Uplink)



COMMSBOX

Be prepared. Respond faster.



All-in-one
boxed solution



Connects 5 users



High-speed internet on-
demand with powerful
broadband satellite
service



Up to 55 Mbps access speeds
(up to 50 Mbps downlink + 5 Mbps
uplink)



Rapidly deployed and
effortlessly scaled



Reliable, on-demand
connectivity

Each Kacific CommsBox includes:

- Small, self-installing satellite dish in a self-contained case
- Preconfigured and connected modem and satellite electronics
- Solar-power energy pack
- User tablets for customer-friendly operation
- WiFi set up
- A sealed, shock-resistant, fire-resistant, buoyant and transportable all-inclusive container





CONNECTING THE PACIFIC: EMPOWERING COUNTRIES & COMMUNITIES WITH SATELLITE BROADBAND



KACIFIC CONNECTS NATIONAL JUDICIARY STAFF SERVICES (NJSS)

Challenge

- The **lack of a suitable infrastructure** for satellite internet connectivity hindered National Courts' connectivity, especially in remote and geographically isolated locations. This resulted in a **disconnect between regional courts and central servers**.

Solution

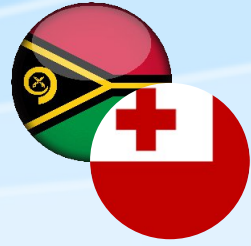
- Kacific established a satellite network that links **31 sites** across Port Moresby, Lae, and Mount Hagan, each equipped with 2.4m, 1.8m, and 1.2m antennas. The network shared a capacity of 100 Mbps forward and 50 Mbps return among these sites.

Outcome

- Enabled seamless communication and data sharing between regional courts and national servers, empowering regional staff with access to IT applications for **increased efficiency**.



NATIONAL JUDICIAL STAFF SERVICE



RELIABLE BACKUP SYSTEM IN VANUATU & TONGA DURING SERVICE OUTAGES



Project

- Kacific is enhancing connectivity in the underserved areas of Tonga and Vanuatu through **satellite-based mobile backhaul solutions**, to ensure continuous communication services, **mitigating the risk of cable breakages** that could disrupt operations and affect customer service.

Solution

- **Vanuatu:** A 4.5-meter antenna was deployed at Vodafone Vanuatu's headquarters in Port Vila, serving as a **fiber backup to counter cable breakages** during natural disasters.
- **Tonga:** Since June 2022, a **mobile backhaul solution** has been implemented in the Niuas islands, with additional satellite terminal sites in **Vavau and Ha'apai**.

Outcome

- Implemented a **reliable backup solution** that ensures uninterrupted communication services for end-users, protecting them from **potential disruptions** caused by cable cuts or unforeseen incidents.





SOLOMON TOWER PROJECT

Project

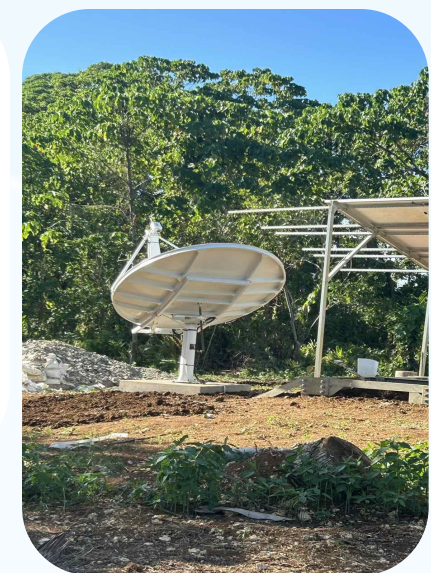
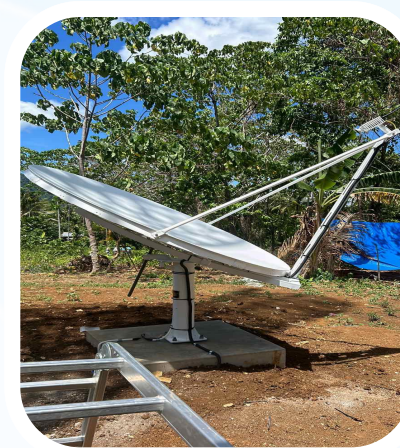
- Kacific's satellite technology is enhancing telecommunications in the Solomon Islands through its partnership with Solomon Tower Limited (STL). The Solomon Islands National Broadband Infrastructure Project (SINBIP) involves constructing 161 mobile tower sites over three years to boost connectivity.

Progress

- STL has activated **13 mobile sites** on Guadalcanal and a **VSAT site** on Russell Islands, all utilizing Kacific's **1.8m satellite backhaul terminals**.
- The Nukufero VSAT tower, operational since Sep, 2024, has connected the community to the internet for the first time in decades.

Outcome

- This technology addresses **infrastructure challenges**, allowing residents to access **vital information anytime**, supporting the **government's goal of inclusive development**



Solomon Islands Government



PITA Strategy Forum & Technical Meetings, Workshop

29th – 31st

October 2024

Telstra Customer Insight
Centre, Sydney

We Invite You To Kacific Booth at PITA Strategy Forum 2024

Meet With Our Team & Experience Our
New Line Up of Innovative Solution!



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Chief Commercial
Officer



**Jacques-Samuel
Prolon**

Executive Vice
President, Corporate



Bipin Solanki

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EMPOWER BUKA TOWN WITH MOBILE BACKHAUL CONNECTIVITY

Challenge

Residents of Buka town faced **significant disruptions** due to **unreliable fibre connections**, impacting the community's connectivity and daily activities.

Solutions

Telikom implemented Kacific's mobile backhaul solutions on **4G sites across Bougainville** to address the connectivity issues.

The solution proved successful as the solution was scaled up by **4 times to provide satellite connectivity** to more communities.

Outcome

Kacific's satellite solutions ensured consistent and robust connectivity, significantly enhancing the communication infrastructure for the entire town.

