



2025 PNG Resources – Port Moresby

Accelerating Network Solutions for Papua New Guinea

Presented by:
Tony Waters
Sherak Adam

Sector Leadership in Satellite and Remote Communications



**\$500m
Revenues**



**1000+
Employees**



**70
Countries**



**40,000+
Active Remotes**



**100+
Field Technicians**



**Professional &
Technical Services**

*Complete Cloud-Enabled Software-Defined Service Delivery
from the Core to the Edge*



Networks

21GHz / 50Gbps GEO
175 iDirect Hubs
Largest Newtec Dialog
35 Teleports
50 PoPs
Global SD-WAN



Integrated Partners

Starlink Authorized Reseller
OneWeb strategic Distribution Partner
SES O3b mPOWER
Iridium | Inmarsat | Globalstar
Nokia Private LTE | Tampnet
Global MNVO



Software & Cloud

SIGMA Ecosystem Edge Computing
TrueBeam Core
TrueBeam Edge
IIOT
AWS Partner



Copyright © 2025 by Speedcast. All rights reserved.



Speedcast PNG Teleports

POM



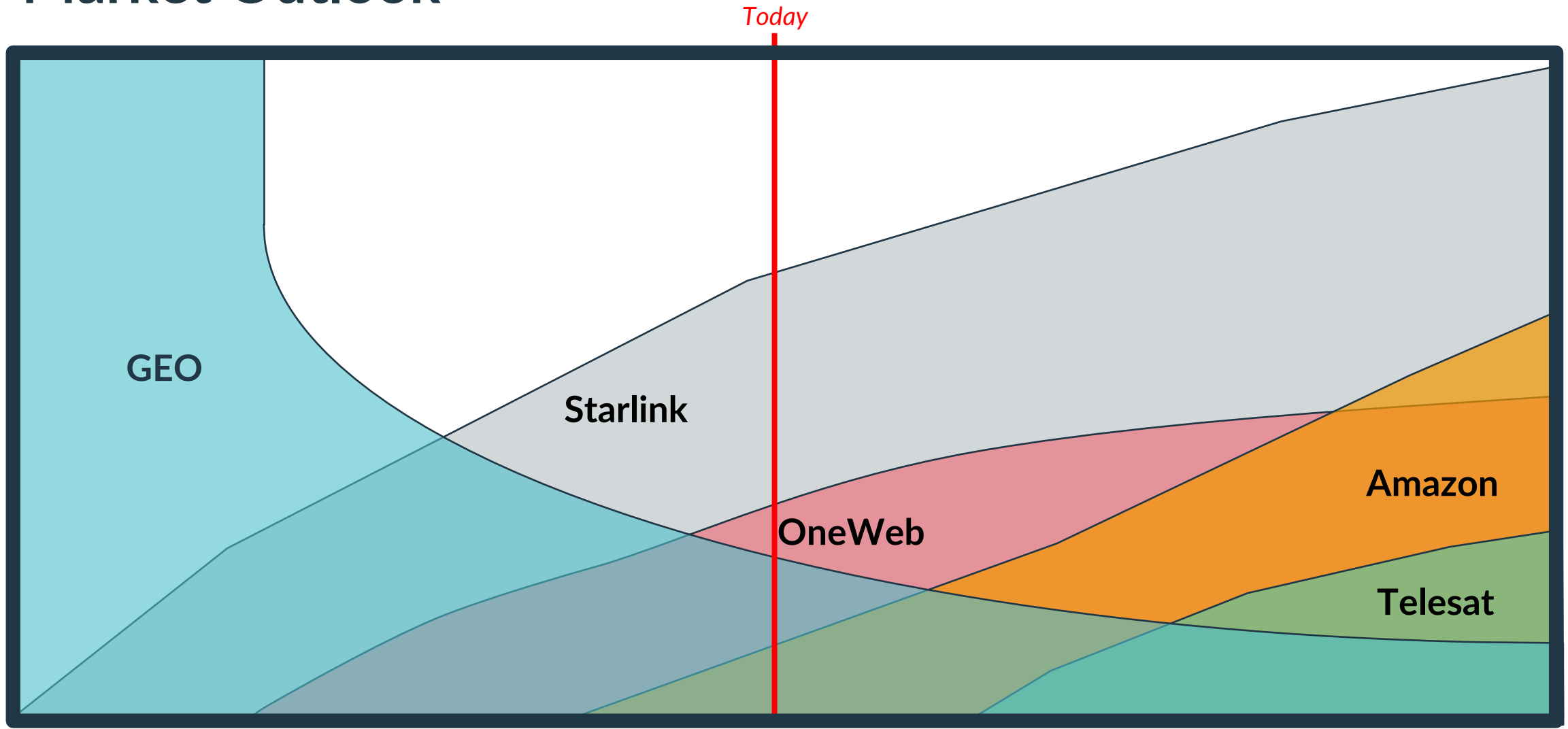
LAE



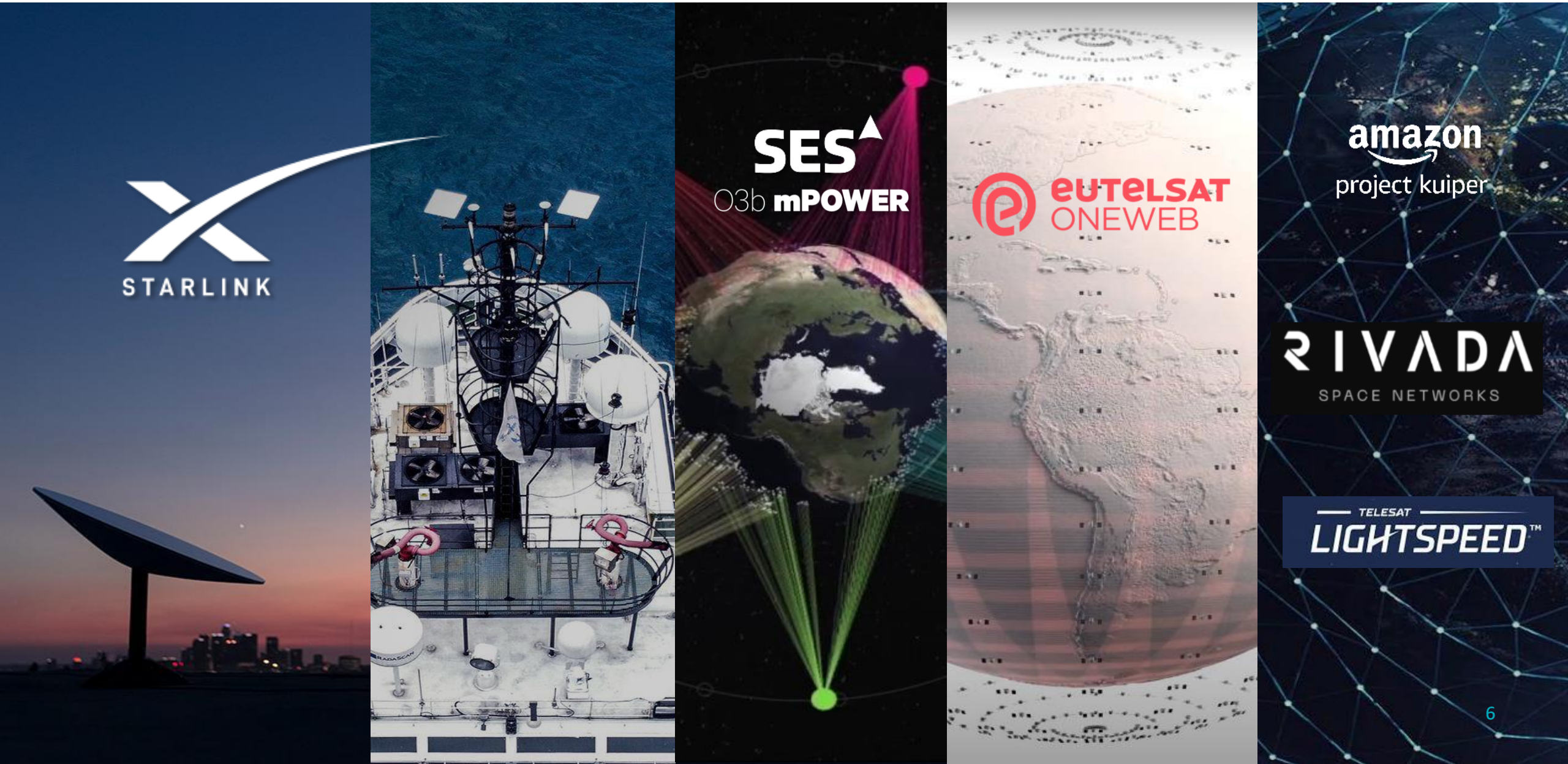


Speedcast Investment into the community in PNG
<https://www.operationlife.org.au/>

Market Outlook



Speedcast's position with NGSO Connectivity



Speedcast & Starlink

- Global Service, wherever it is licensed
- SpaceX has launched over 7,000 satellites
- Speeds of ~200/25 Mbps
- Best effort performance
- Public Internet
- Intersatellite links (ISL)
- Low-cost flat panel hardware, one model
- Antennas getting Smaller – backpack size
- Variable fixed and mobile plans
- Designed to be installed by non-technical



Starlink Mini Terminal



AUTHORIZED
INTEGRATOR
& RESELLER

STARLINK

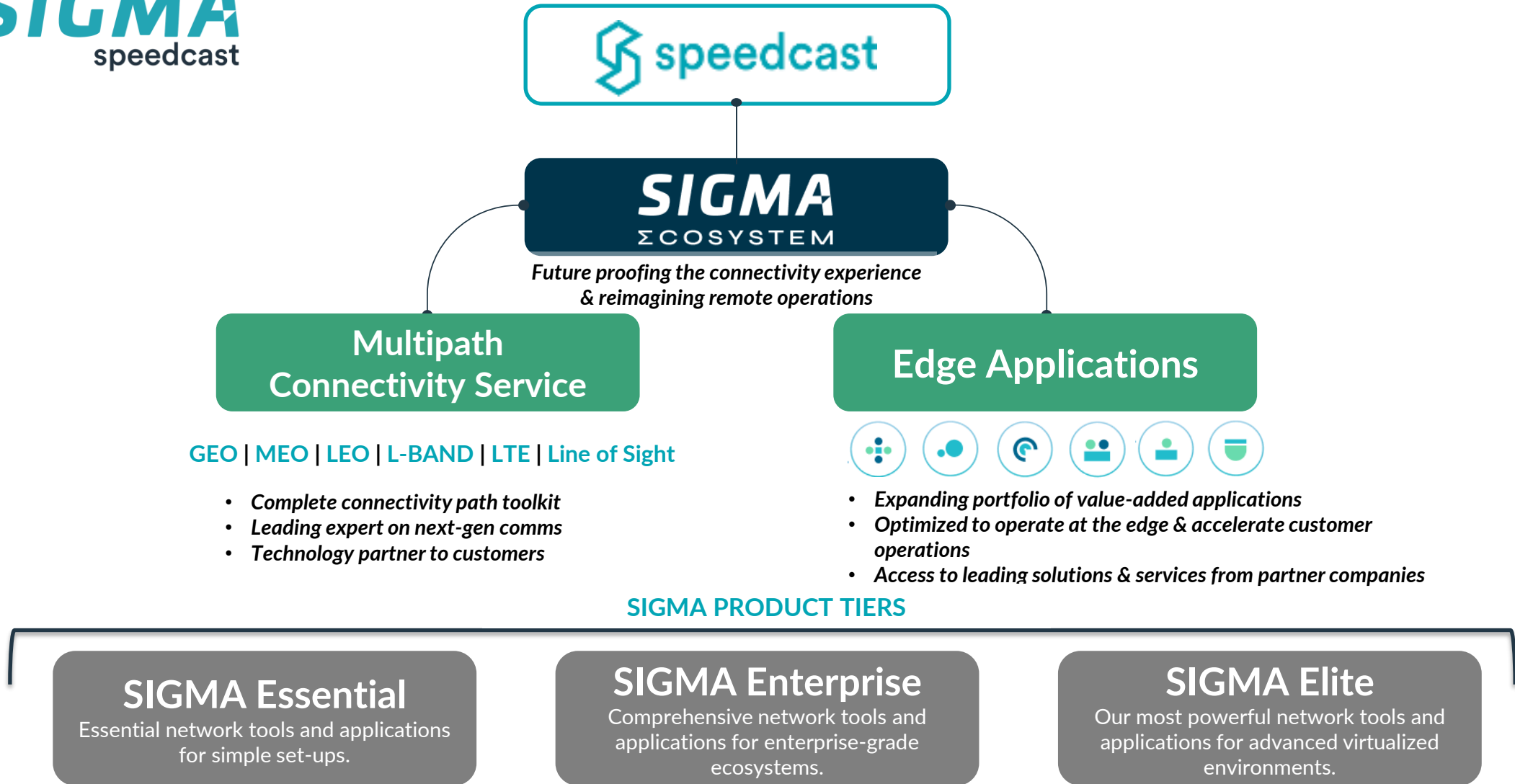


Starlink Community Gateway

Powered by Speedcast

Copyright © 2025 by Speedcast. All rights reserved.

**ACCELERATE
AHEAD**



Speedcast Sigma SD-WAN Core Features

Failover

Provides for simple failover between WAN's or groups of WANs. Where all traffic is tunneled, failover is seamless.

Load Balancing

Can load balance flows between multiple WANs – important to only load-balance across 'like' WANs or use application steering

Application Steering

Allows applications to be stuck to specific WAN underlays as preferred, falling back to the next preferred if the WAN is unavailable or triggered by IP SLA metrics

SLA Profiles

Monitors every link for packet loss, latency and jitter in both forward & return directions.

This can then be used to trigger application steering – e.g., Put voice on Starlink, unless packet loss is above 10%, then move it to VSAT until the packet loss settles back under 10%.

Next-Gen Firewall

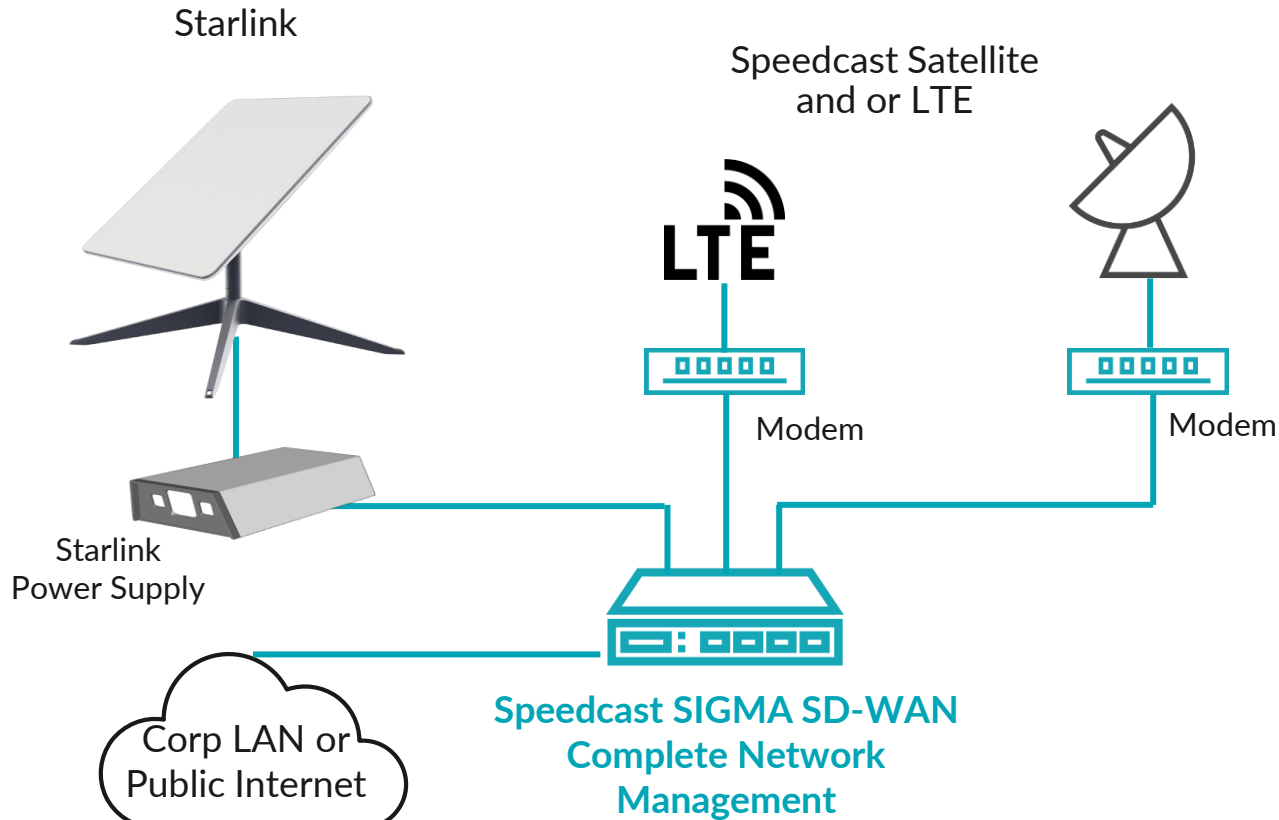
Web and Application filtering as well as regular IP/Port based firewall (optional)

Direct Internet Access (DIA)

Allows traffic destined for the internet to be broken out locally across one or more WAN interfaces, rather than tunneled back to a hub.

Important when considering LTE and Starlink, as there are cost implications to tunnelling all traffic back through a hub.

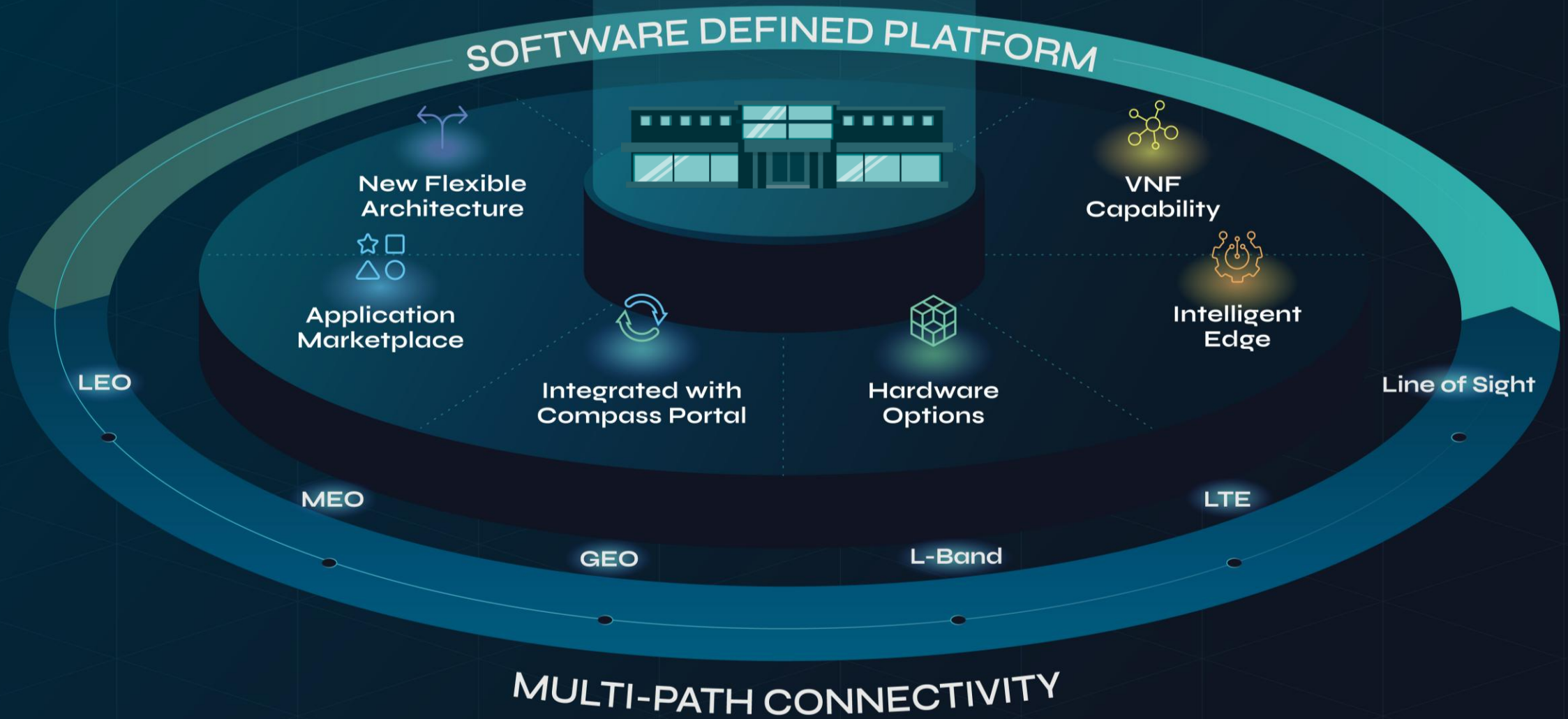
Direct Plug and Play for Fully-Managed Service



Benefits

- ✓ Simultaneous connectivity across links = ~100% uptime
- ✓ Load balancing
- ✓ Data categorization
- ✓ Application layer Quality of Service
- ✓ Cybersecurity (NGFW, Encryption, IAM)
- ✓ Remote orchestration = zero touch provisioning
- ✓ Single pane of glass
- ✓ Exciting feature release roadmap incl. leading VMs

SIGMA speedcast



Managed Service Program in Australia



Confidential Information.
For presentation only.
Not for distribution.

The **Northern Territory Government**, is the administrative authority of this Federal state - the most sparsely populated territory in Australia located in the central and northern regions of Australia. .

Summary:

- In 2016 Speedcast connected 250+ remote sites serving Education, Health, Police & Utility agencies for this Government program.
- The network included custom built teleports in Darwin and Alice Springs operated locally by Speedcast staff contracted to NTG
- In 2021 a Speedcast technology upgrade seamlessly introduced leading edge technology to increase Ku band throughput by 20%
- In 2023 Speedcast executed a POC to introduce additional WAN connections including Starlink LEO broadband and LTE to complement and augment the primary Ku band WAN.
- Speedcast introduced its Sigma Edge Compute appliance to software automate the new multipath environment, creating a simple to manage, always on, single virtual WAN connecting NTG remote sites and data centres.
- In late 2023 Speedcast extended the POC to rollout the new software defined multipath network to 98 agency sites with the rest likely to follow in 2024

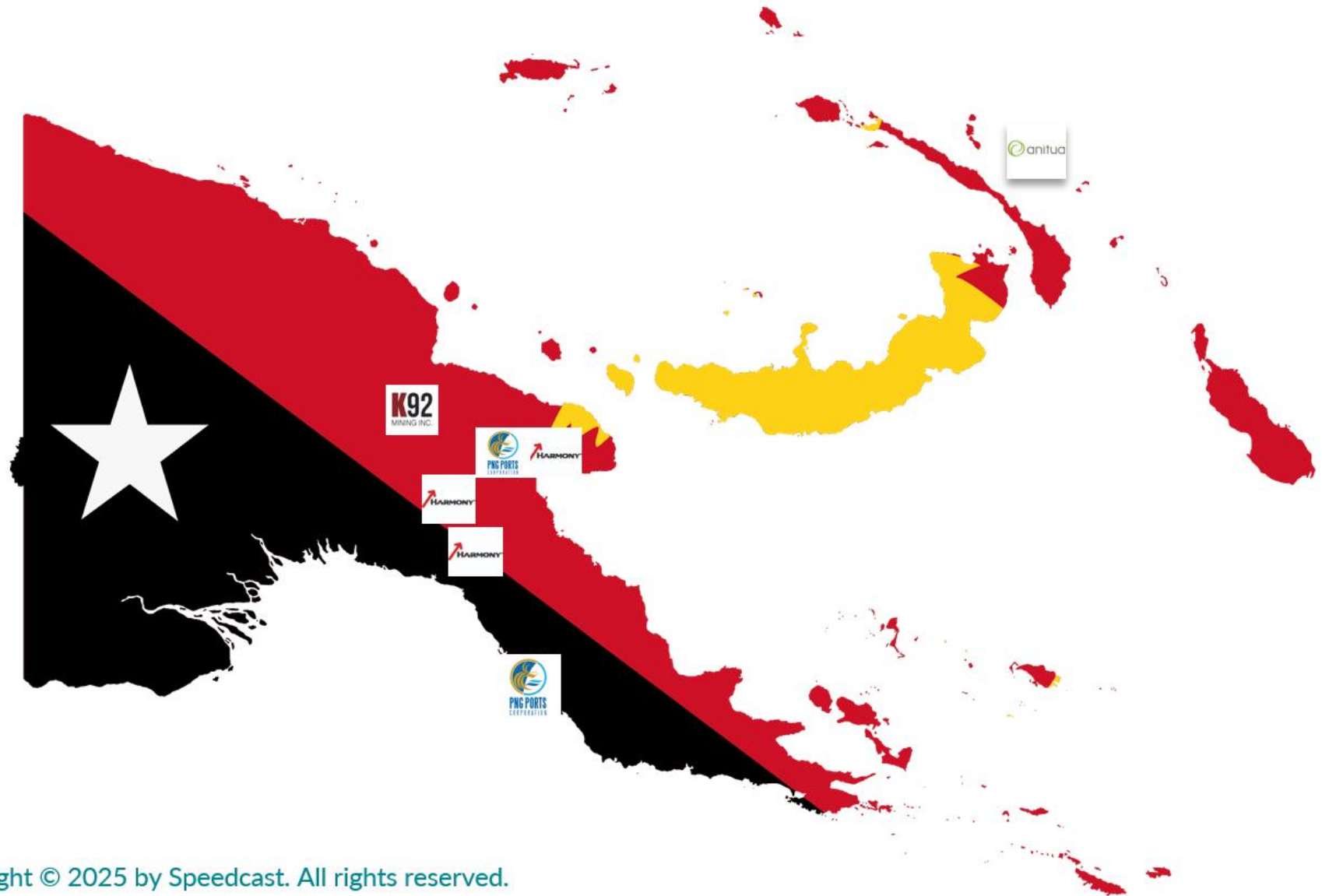
Roles and Responsibilities

Speedcast	Northern Territories
Design & Supply, test and support all remote site equipment.	Repair, Maintenance & local Support
Integration and Network design authority; and support and Management of the Hybrid solution	Transportation to specific sites and departments, On-site build and commissioning



Speedcast Sigma POPs

Carrier grade local Internet access driving higher performance & lower latency on your network



Thank you!



Copyright © 2025 by Speedcast. All rights reserved.