

Tonga Cable

Submarine Fiber Optic Cable System

***HIGH-SPEED* internet is here!**
It will change the way we communicate.



SUBMARINE FIBRE-OPTIC CABLE
**GET READY FOR
HIGH-SPEED
INTERNET**
FASTER | CHEAPER | CONNECTED

High-speed internet is about to roll-out across
the Kingdom starting from Nuku'alofa.
Contact your internet provider for details.

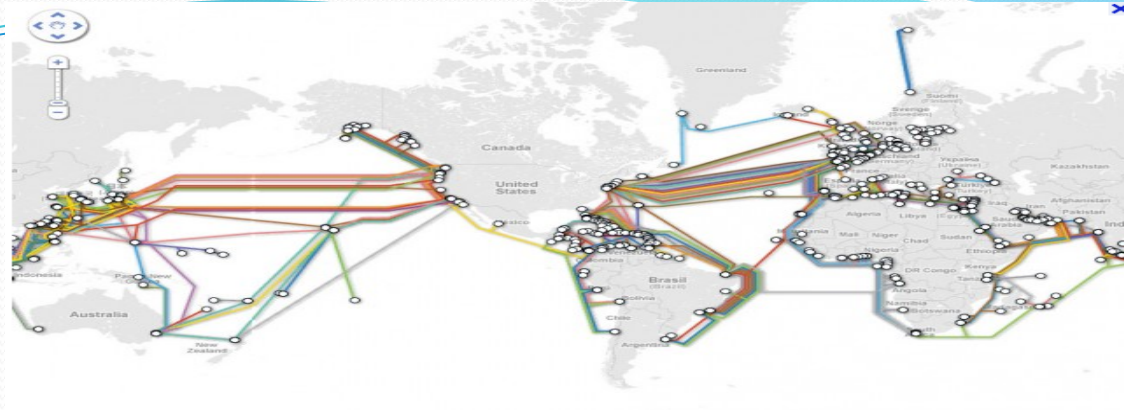
Ministry of Information & Communications
Funders: The World Bank, ADB & TCC

Presentation Overview

- ❖ Tonga Cable Limited background
- ❖ Market Positioning
- ❖ Tonga-Fiji Route
- ❖ Optical Infrastructure
- ❖ Southern Cross Cable Network
- ❖ IP Transit Network
- ❖ TCL Services Offered

Tonga Cable Limited

- Public Enterprise
- Wholesaling ISP services to local ISPs and Telecom operators
- Tonga Cable project funded by
 - World Bank
 - ADB
 - TCC
- Supplier of the system is Alcatel Lucent



❖Market Positioning



Tonga Cable Limited

Digicel
tonga

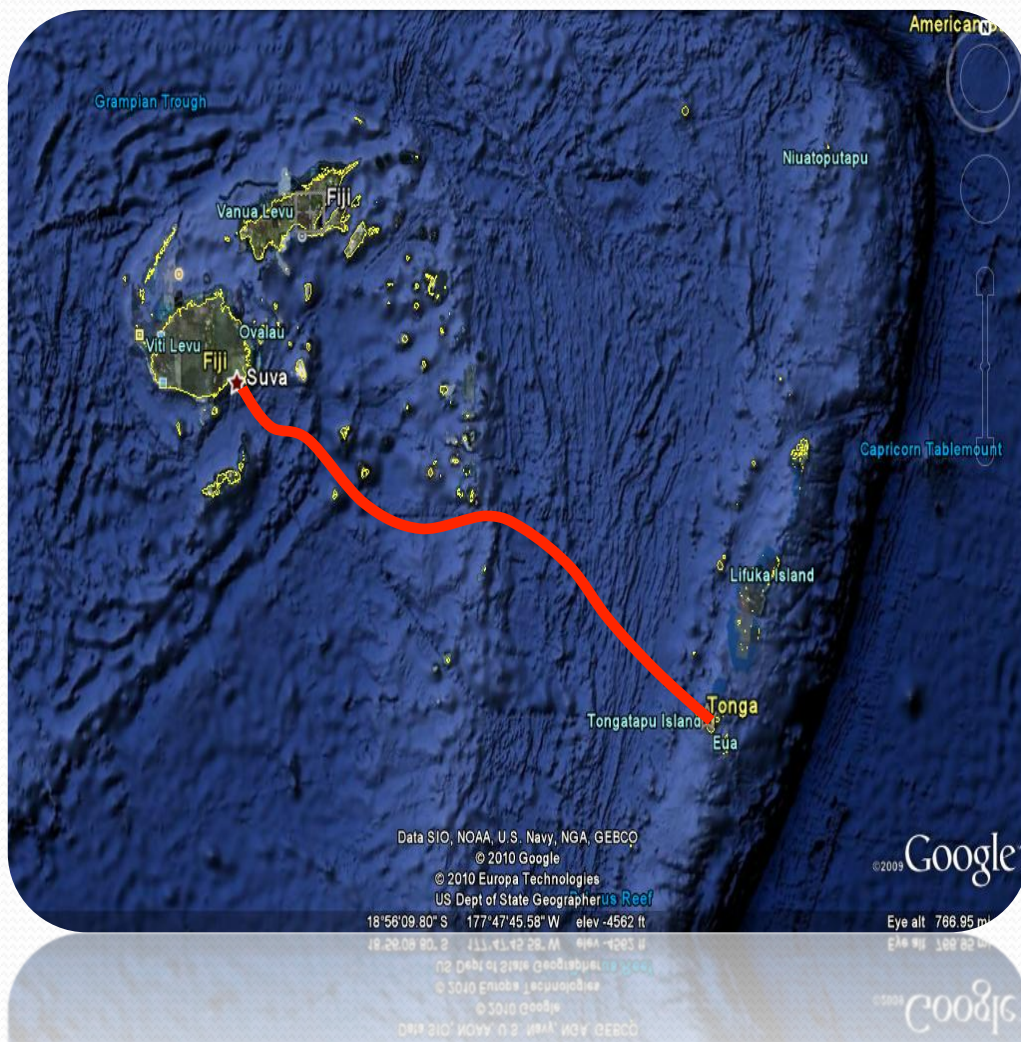


Internet users
(business, consumers, etc)



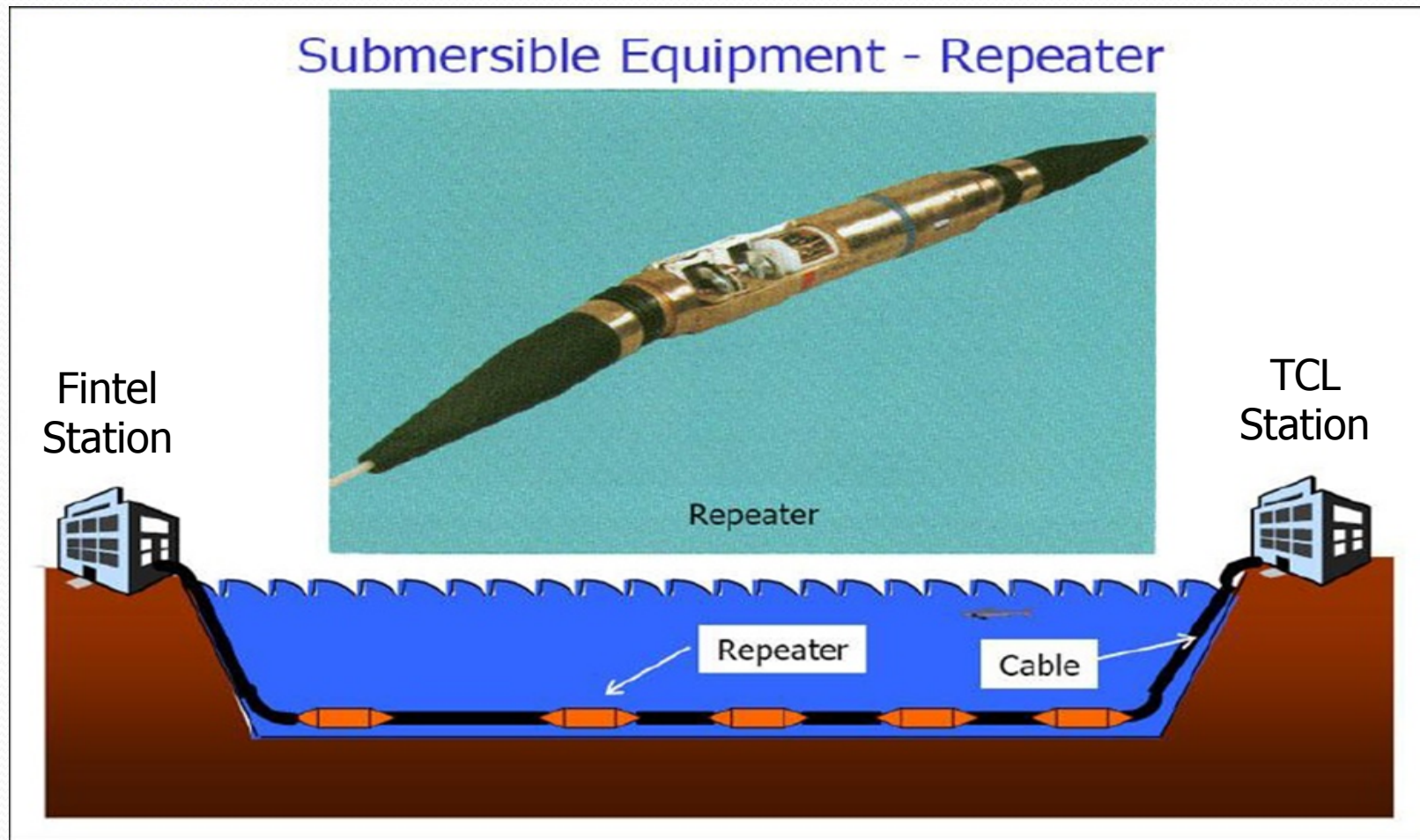
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Tonga submarine fibre cable



- Cable length – 827kms
- 1 fibre pair
- System Capacity – 320Gbps
- Initial capacity configured – 20Gbps
- System lifetime – 25yrs
- Wet plant + Dry plant

Submarine fibre optic cable system



Cable Laying

PLOW



ROV



Tonga Cable Limited

Cable landing in Tonga



Tonga Landing Station



Landing Station equipment

Power Feeding Equipment (PFE)



SLTE

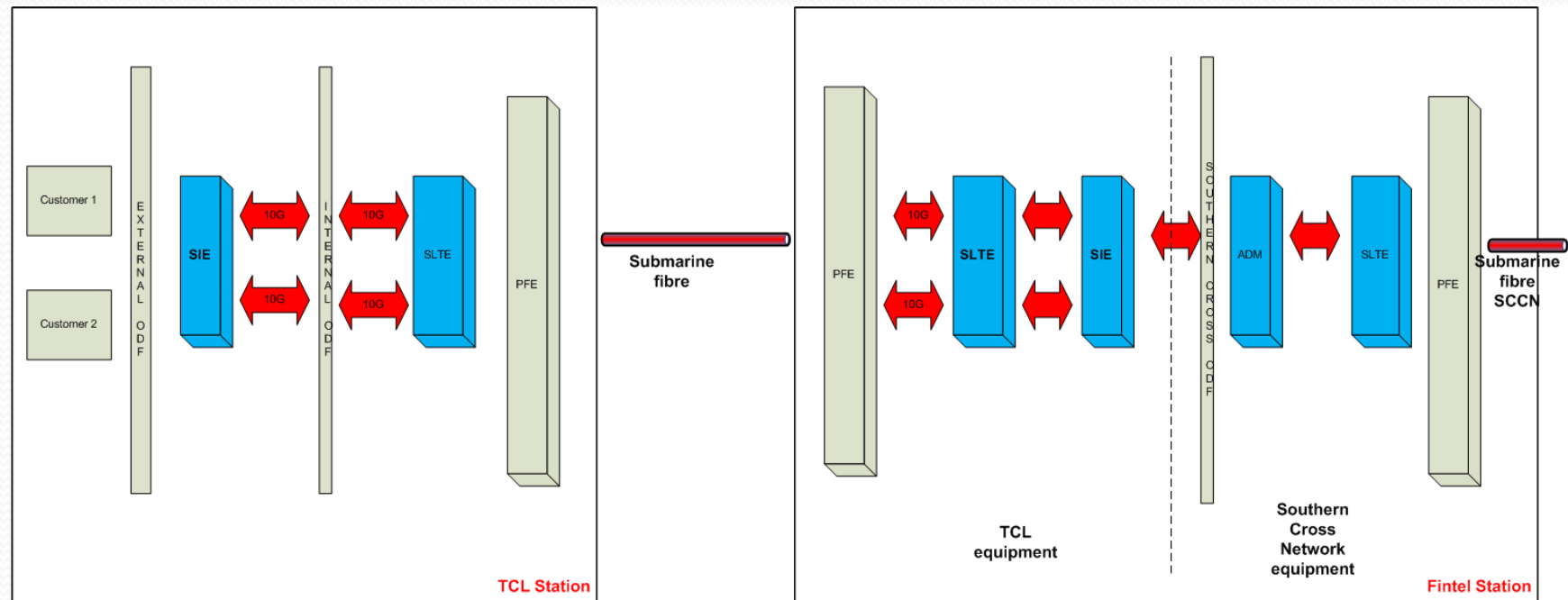


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Landing station backup power



Tonga Cable – Southern Cross Equipment Interconnected



Southern Cross Cable Network

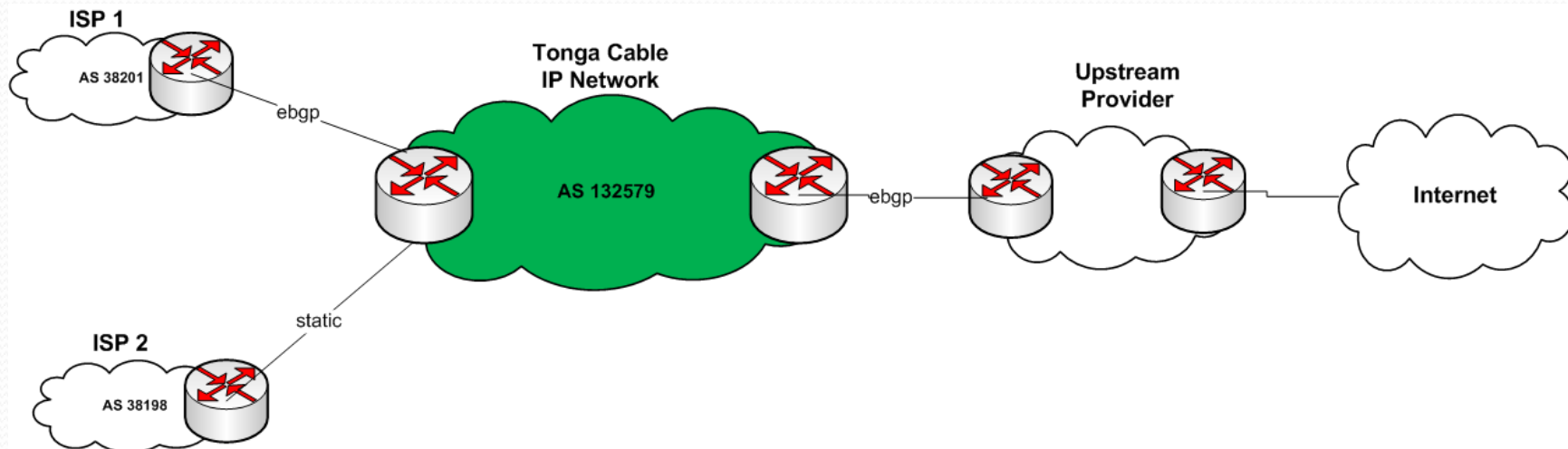


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Southern Cross Cable Network



TCL IP TRANSIT NETWORK



Service Technical Description

Service

- Premium IP Transit
- Carrier

Service Features

- BGP-4 Routing
- IPv4
- IPv6



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Questions?

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