

### **Convergence Journey**



Traditional
Telecommunications
Provider



One-Stop-Shop
Communications and
ICT Provider

To

## **Network Challenges**

- Customer hesitant to adapt modernisation
  - cloud migration
  - business are technology driven
  - e-transport
- Demanding for quality:
  - low latency
  - Bandwidth
- Pacific Island country footprints
  - Fiji becoming hub for Regional Island countries





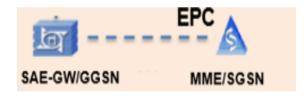
## **VF Network Update**

- Capacity Upgrades
  - Radio
  - Transmission
  - Core Network
  - Bearer Network
  - ISP
- End of Life Replacements
- Redundancy Setup
- Network Evolution
- New Network (ICT/Teleco) Solutions
  - Cloud
  - Cashless economy
  - Network CDNs & Peering



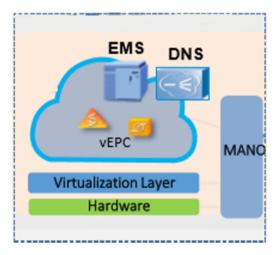
#### **Data Core**

- Traditional Setup
  - Multiple nodes
  - Traditional O&M
  - Non automation
  - High OPEX





- NFV Platform
  - All hosted in a virtualised container
  - Unified management for APP & Resource
  - Auto-deployment



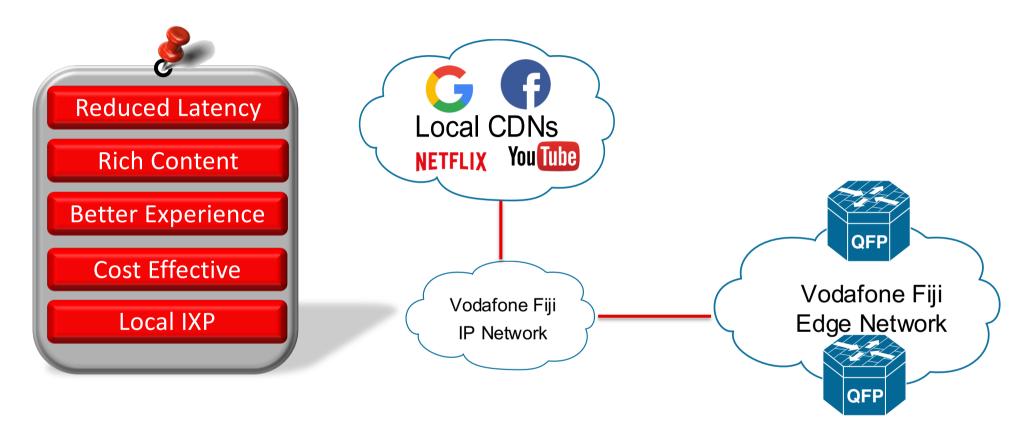


## **Bearer Network & ISP Edge**

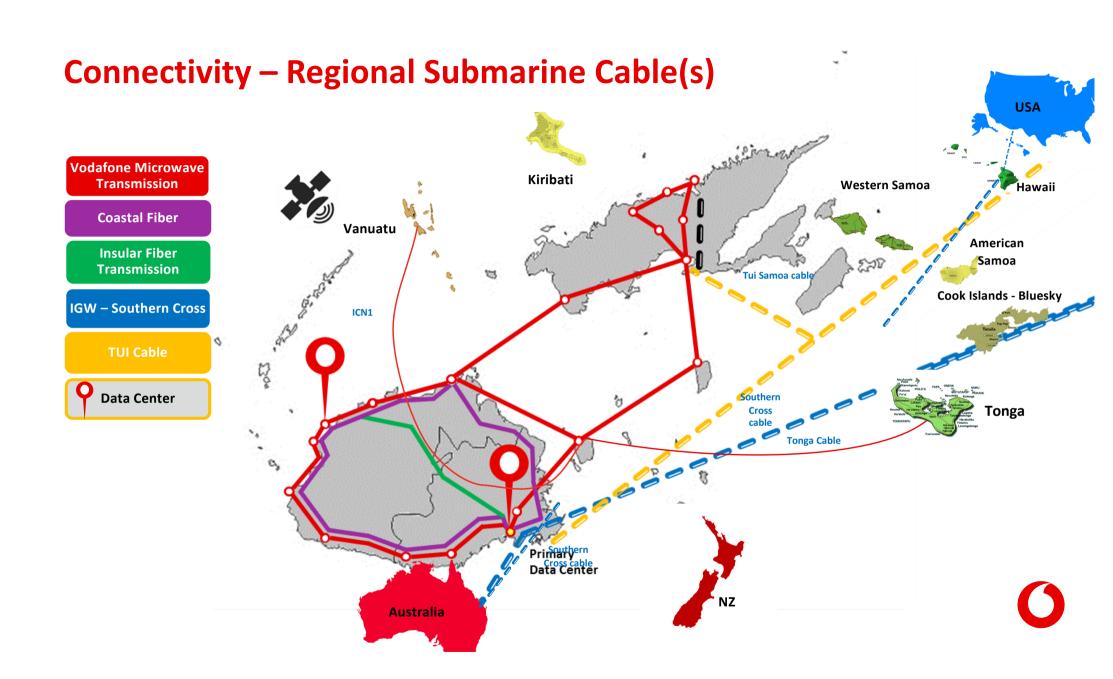
- Backbone Network
  - End of Life Replacement
  - Capacity Upgrade
  - Routing standards
- Firewall Repositioning
  - Carrier Grade Natting
- Network Redundancy Setup
  - Suva and LTK Data Centre ISP Setup
  - Capacity Upgrades



# **Content Caching**



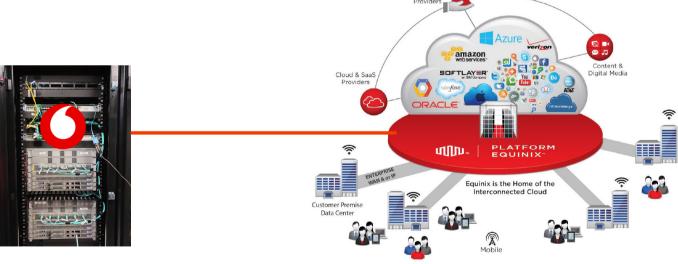




#### **ISP Goals**

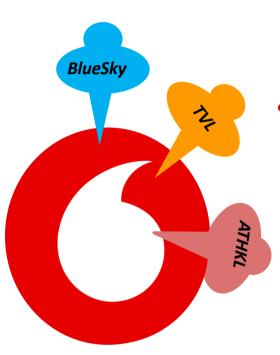


- Vast majority of content consumed by end-users is available by peering:
  - The major content providers (Google, Facebook, etc)
  - Private cross connects
  - Internet Exchange Points
- Goal is to obtain as much peering as possible.
- Transit will be the last resort, for any content not available by peering





### **Next!!! - Leveraging ISP Services**



- Fiji to be the regional hub for the South Pacific
  - Vodafone Fiji operate as a key provider for ISP Services
  - Become a Content Provider of Major Events that interest local Markets.
- Both Fiji & Guam have:
  - Large amounts of submarine fibre passing through
  - No open neutral interconnect facility



### Online, M-commerce and Digital Payment



E-transport → phase 2 of TVM recharge services rollout



Country's first M-payment gateway → integration with banks



E-commerce/online shopping platform → online retail



Mastercard integration → issuing of virtual cards



M-paisa QR code deployment → cash-less payment solutions



