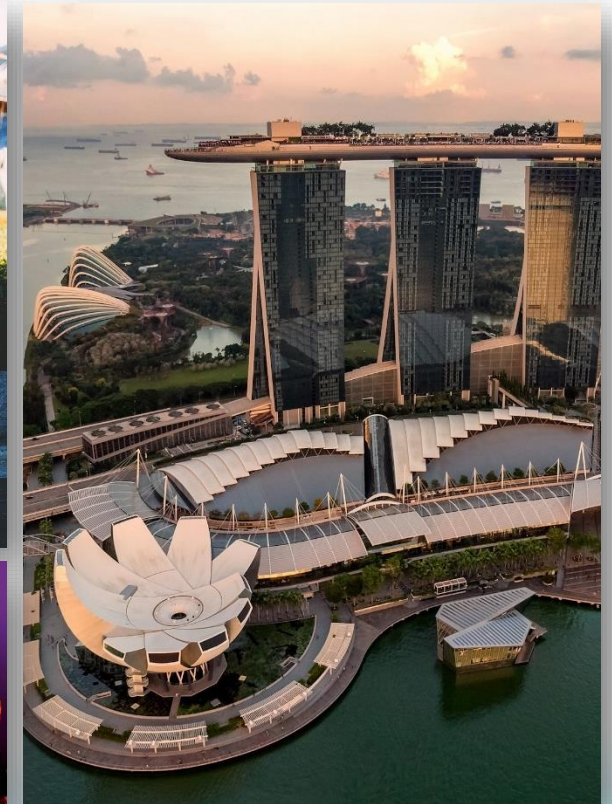# Agenda

- ☐ About Asia Pacific Digital Landscape
    - ☐ Asia Pacific is a Region of Contrasts and Innovation
    - ☐ State of Digital Innovation and Government Support
    - ☐ Submarine Cables-Now and Future
    - ☐ Understanding the Diverse Regulatory Landscape and Its Impact on Pricing
- ☐ Challenges in Deploying Next Generation Networks in APAC
- ☐ How CBC Tech Can Help

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Asia Pacific's Digital Landscape

Asia Pacific is the largest digital growth market, offering unique challenges and significant potential for next-generation networks.

Total Population
4.6 Billion

Languages
2000+

Countries
48

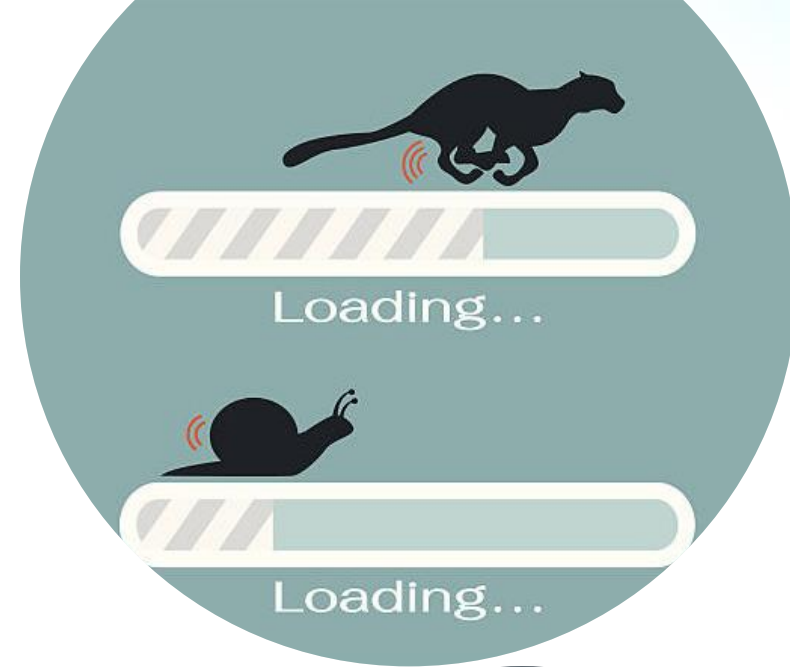PACIFIC
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Asia Pacific is a Region of Contrasts and Innovation

Urban vs. Rural Connectivity:

- Singapore leads in smart technologies and 5G, while rural areas in India, Myanmar still rely on 2G networks.

- South Korea: 40% 5G penetration, Papua New Guinea: expanding 4G.

Technological Spectrum:

- Advanced tech (SD-WAN, edge computing) in countries like Japan, Australia; satellite internet in Pacific Islands.

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State of Digital Innovation and Government Support

Asia Pacific leads the charge in **digital innovation**

5G rollout: Countries like China, South Korea, and Japan deploy 5G at scale.

Smart cities: Singapore's Smart Nation initiative and India's 100 Smart Cities Mission demonstrate how technology transforms urban living.

Governments are catalysts for progress

Policies like **China's Digital Silk Road** and **ASEAN's ICT Masterplan** accelerate regional connectivity and digital transformation.

Incentives for cloud adoption, AI development, and IoT expansion fuel demand for cutting-edge networks.
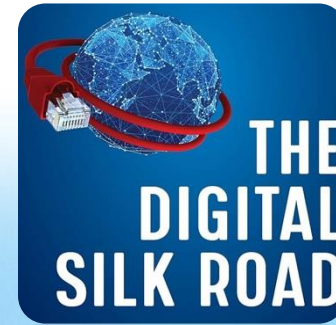
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Submarine Cables

–*Now and Future – many folds increase in future capacity*

Submarine cables carries over 99% of intercontinental internet traffic.

Current Cables:
Asia Pacific Gateway (APG)
    Capacity: 54 Tbps
AAE-1 (Asia-Africa-Europe-1)
    Capacity: 40 Tbps
PLCN (Pacific Light Cable Network)
    Capacity: 120 Tbps
Southeast Asia-Japan Cable System (SJC)
    Capacity: 24 Tbps

New Cables:
SEA-ME-WE 6
    Capacity: **180 Tbps**
Bifrost Cable System
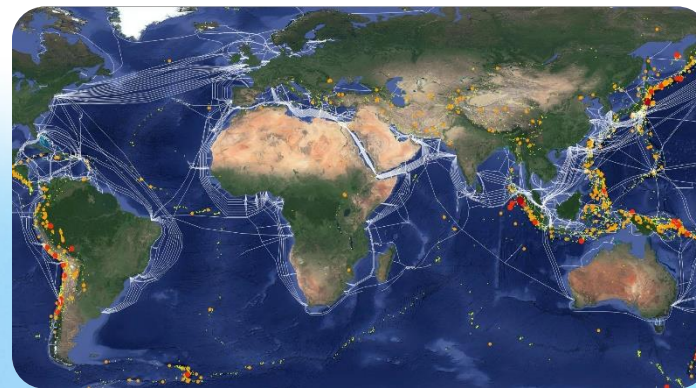   Capacity: **200 Tbps**
Jupiter Cable System
    Capacity: **200 Tbps**
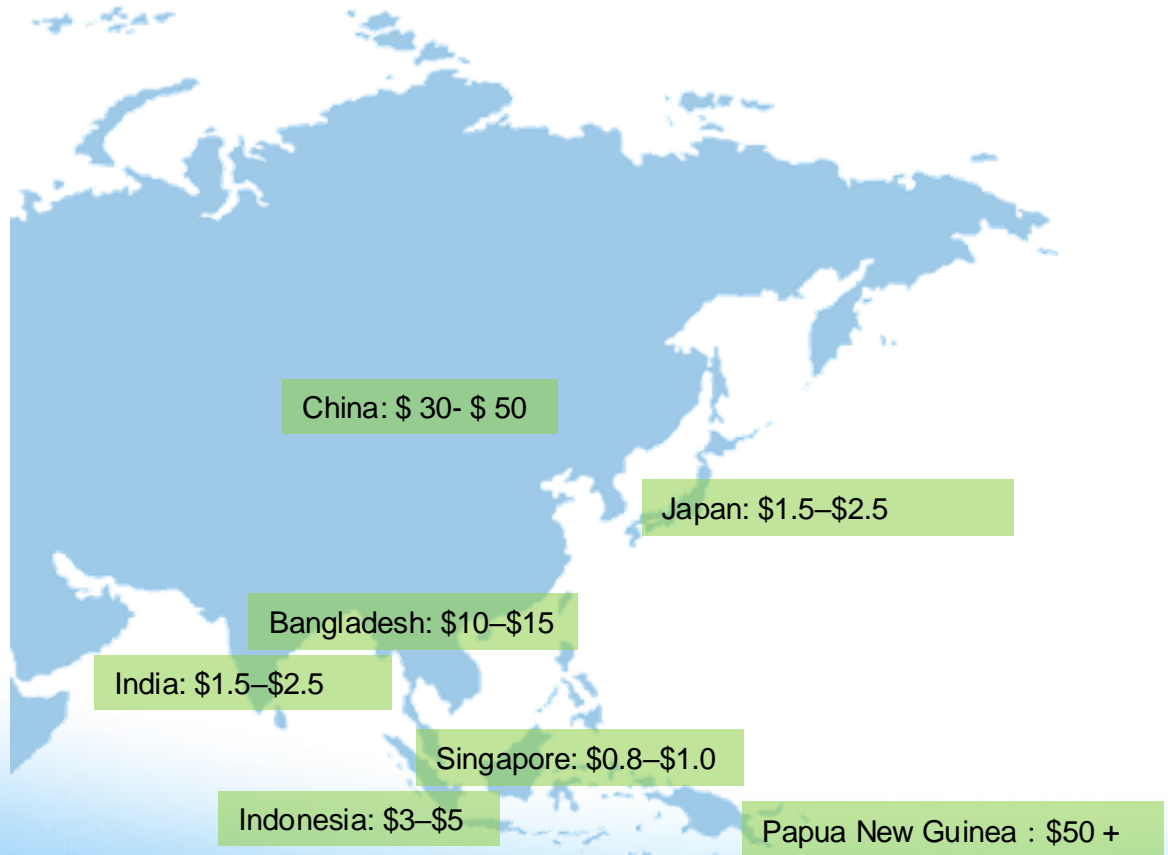Grace Hopper Cable
    Capacity: **500 Tbps**

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Understanding the Regulatory Landscape and Its Impact on Pricing

Deregulated Markets (Singapore, Japan, Australia): Low prices, competitive market.

Regulated Markets (China, Bangladesh): State control impacts pricing and higher costs.

China: $ 30- $ 50

Japan: $1.5–$2.5

Bangladesh: $10–$15

India: $1.5–$2.5

Singapore: $0.8–$1.0

Indonesia: $3–$5

Papua New Guinea : $50 +

Per Mbps/Month in USD

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Customer trends: Moving into the Cloud
–SD-WAN, SASE and Cloud Adoption Trends in APAC

Businesses are rapidly shifting to **cloud-based solutions**:

➢ **80% of enterprises in Asia Pacific** are expected to adopt hybrid or multi-cloud strategies by 2025.

➢ Cloud adoption is driving demand for secure, agile, and scalable networks.

Customers are embracing next-generation technologies:

➢ SD-WAN and SASE solutions are becoming standard for enterprise networking.

➢ AI-driven networks and automation improve operational efficiency and user experien

APAC Market Trends:

The SASE market is expected to witness a CAGR of **36.4%** from 2021 to 2027.

The SD-WAN market is anticipated to grow at a CAGR of **36.1%** from 2020 to 2026.

Source: Research and Markets

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Challenges in Deploying Next-Gen Networks in APAC

Diversity of Tech

Legacy (MPLS, DSL) vs. New Tech (SD-WAN, SASE) integration.

Data Sovereignty

Data localization laws (China, India) complicate global service deployment.

Challenges

Regulatory Variations

Impact on cross-border SD-WAN adoption and pricing.

Infrastructure Disparities

Urban vs. rural divide limits consistent service delivery.

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How CBC Tech Can Help

Technology Provider

Network Aggregator

Service Provider

Expertise in Next Generation Networks in APAC including China

Asia Pacific

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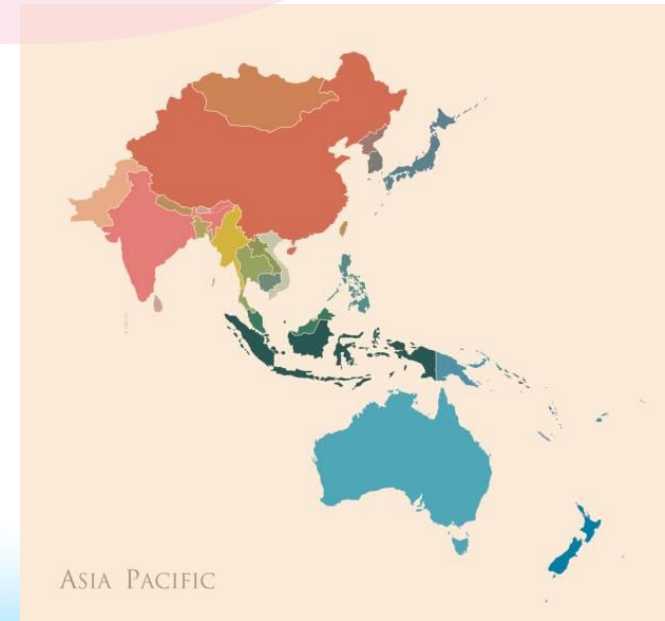
CBC eNet fabric
—A High Performance and Congestion-free IP Network for Next Gen SASE Networks

CBC eNet fabric is built on CBC Tech's congestion-free IP backbone and routes traffic based on CBC Tech's patented technology, to ensure the enterprise users are able to experience the best cost-performance for their applications.

- ✓ SLA high performance
- ✓ Intelligent – Smart Path
- ✓ Well connected to Cloud/SaaS
- ✓ Well peered all tier 1 carriers in all key cities
- ✓ Integrated Secure Fabric
- ✓ IPv6 Ready
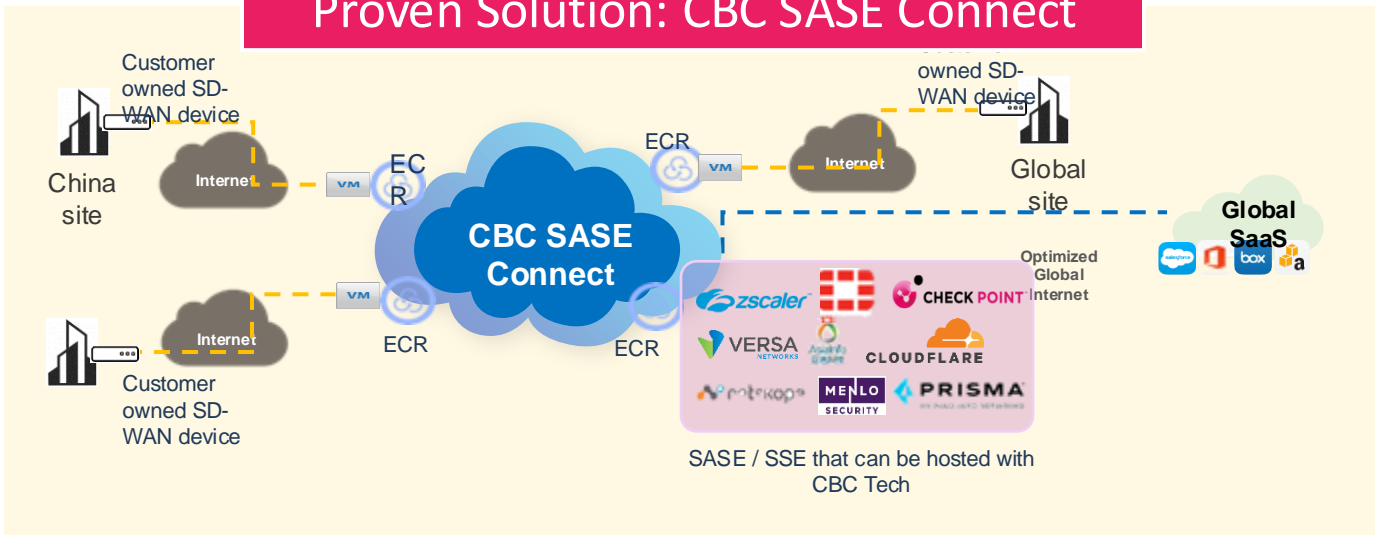

CBC eNet fabric covers 50 cities in the APAC region

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Why CBC

Strong Technology Partner Ecosystem

Proven Solution: CBC SASE Connect

SASE / SSE that can be hosted with CBC Tech

Right People and Right Skillset

> **70** employees of CBC Tech acquired > **300** professional certifications issued by industry leaders such as Zscaler, Fortinet, HPE Aruba, etc.

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