Generate growth in Asia Pacific with Intelligent Connectivity

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A revolutionary shift is happening in the way the world works, with economies across the planet going digital fast. 

The Global GDP forecast 2017

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Source: IMF

Countries are setting policies to encourage ICT investment:

- Singapore Smart Nation
- Digital Canada 150
- Smart Digital Malaysia
- Industry 4.0
- Advanced Manufacturing 2.0
- Internet Plus
- Nigeria National Broadband Strategy
- Colombia Live Digital
- Connected Argentina

156 countries have released national ICT development master plan

Source: ITU
At the same time, ICT’s positioned to be the enabler, to accelerate the achievement of UN’s sustainable development goals.

Connectivity plays a key role in all 17 SDGs.

**Good Health And Well-Being**
- Mobile health
- Digitalized medical records

**Quality Education**
- Wireless network access
- Massive open online courses

**Gender Equality**
- Digital education
- Training for women in coding

**Affordable And Clean Energy**
- Big data for renewable energy
- Smart grids

**Industry, Innovation And Infrastructure**
- IoT for manufacturing
- Cloud

**Sustainable Cities And Communities**
- E-government
- NB-IoT and connected sensor

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Tech Example: RuralStar

100M

New rural users will be covered

In 2018, in more than 20 countries

- **TCO**: 70%
- **TTM**: 80%
- **CO₂ emitted**: 30%

Best Innovation for Emerging Market “RuralStar ticks all the emerging markets benefit boxes”
A country's hierarchy of digital needs

- Digital brain
- Industrial digitization
- Security assurance
- Infrastructure

ECOSYSTEM

ICT SUPPLY CHAIN
GCI: Mapping country’s transformation into a digital economy

The GCI provides a comprehensive and objective assessment of a country’s connectivity from both a national and business perspective, and assesses the current status, future trends, and challenges associated with digital transformation. It quantifies the value that connectivity generates for a country’s transformation into a digital economy, and serves as a reference for regional and national policy makers.

79 Countries 95% GDP 84% Population
GCI methodology matrix: 4 economic pillars by 5 technology enablers

GCI Scoring Model

- SUPPLY
- DEMAND
- EXPERIENCE
- POTENTIAL

5 Tech Enablers

Fundamental:
e.g. ICT laws, application, e-Government, R&D...
Strong ICT infrastructure improves the quality of economic growth

A one-point increase in GCI does the following for your economy:

- **1 pt** Increase in GCI
- **2.1%** Competitiveness
- **2.2%** Innovation
- **2.3%** Productivity
Digital Economy Heat map

**STARTERS**: Average GDP Per Capita: US$3,700
GCI score: 20-34
These countries are in the early stage of ICT infrastructure build-out. Their focus is on increasing ICT supply to give more people access to the Digital Economy.

**ADOPTERS**: Average GDP Per Capita: US$16,300
GCI score: 35-55
Nations in this cluster experience the biggest GDP growth from ICT Infrastructure. Their focus is on increasing ICT demand to facilitate industry digitization and high-quality economic growth.

**FRONTRUNNERS**: Average GDP Per Capita: US$54,100
GCI score: 56-85
These nations are mainly developed economies. They continually boost user experience, and use Big Data and IoT to develop a smarter and more efficient society.
Most countries have embarked on the road to a digital economy, many AP countries are at Adopters stages.
The “Matthew Effect” – the digital divide becomes a digital chasm

An expansion of the S-curve (GCI score vs. GDP) shows the widening inequality between Starters, Adopters, and Frontrunners.
Imperatives for Digital Transformation Planning

**ICT Infrastructure**

Governments: *Continuously enhance investment in digital infrastructure, especially the expansion of broadband coverage, and the adoption of cloud technology to ensure fair competition and inclusive growth in their own economies throughout the global digitization process.*

**Industry and Enterprise**

Economies: *Integrate digital infrastructure development with local industry strengths to expedite industry upgrades and enable major industries to move up along the value chain, and encourage innovation as well as bolster the competitiveness of their major industries and enterprises.*

**ICT Talent**

Governments: *Work with scholars, technology providers, as well as education and labor departments to ensure that digital resources are more widely and readily accessible. Improve the digital knowhow of specific subsets of the workforce, and cultivate a group of exceptional talent that is well positioned to meet future needs.*
# Prioritized policy recommendations

## For Starters

**FOCUS AREAS**

**ICT Infrastructure Priorities in 2018**
Focus on improving network connectivity (e.g. 4G and backhaul)

**Industry and Company Priorities**
Focus on e-Commerce and social media etc.

**Workforce Priorities**
Focus on e-work such as online sales

## For Adopters

**FOCUS AREAS**

**ICT Infrastructure Priorities in 2018**
Focus on 4.5G IoT and data centers

**Industry and Company Priorities**
Focus on cloud and big data to build foundation for AI

**Workforce Priorities**
Focus on big data education

## For Frontrunners

**FOCUS AREAS**

**ICT Infrastructure Priorities in 2018**
Focus on IoT, 5G and ultra-fast broadband roll out

**Industry and Company Priorities**
Focus on increasing investment in AI and analytics

**Workforce Priorities**
Focus on education curriculum that prepares workers for an AI-enabled future
e.g. Help to Build the Thai 4.0 ecosystem

OpenLab

Innovation

Talents

Huawei Infrastructure: Chipset, Base Station, IoT...
Huawei OpenLab Bangkok

800+ visits to OpenLab Bangkok

200+ times of communication with Thai enterprises

80+ ISVs cooperation

25 firms use OpenLab for joint solution development
Talent plans

Local onsite training

CSR: Seeds for Future

Internship in Huawei

Campus Recruiting
Thank you