Turnarounds and Takeoffs :

Speeding Up Competitiveness and Connectivity in the GMS

Mekong Forum

2 August, 2018

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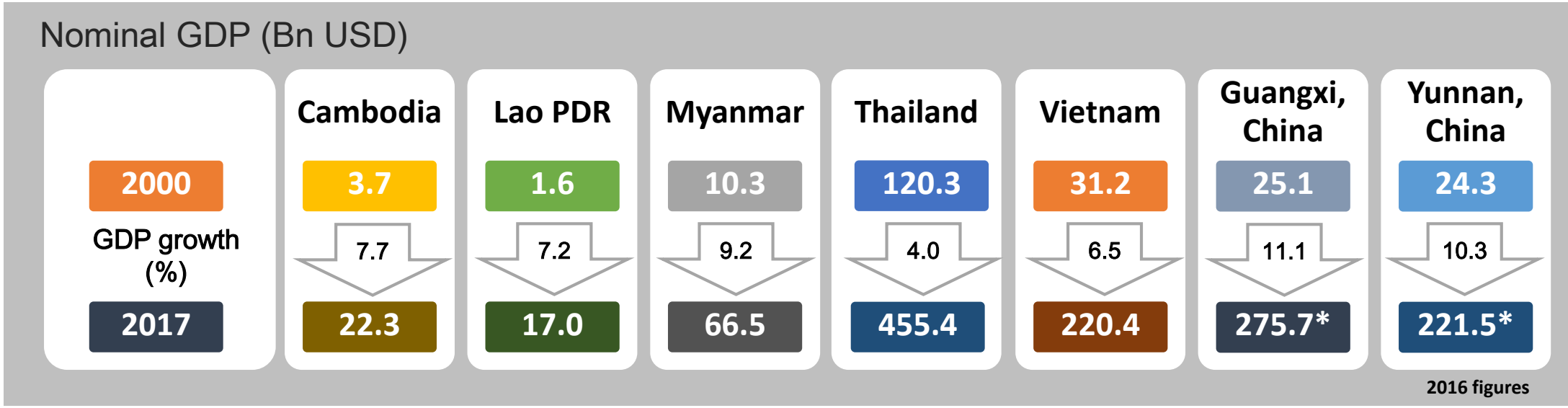
GMS Economy

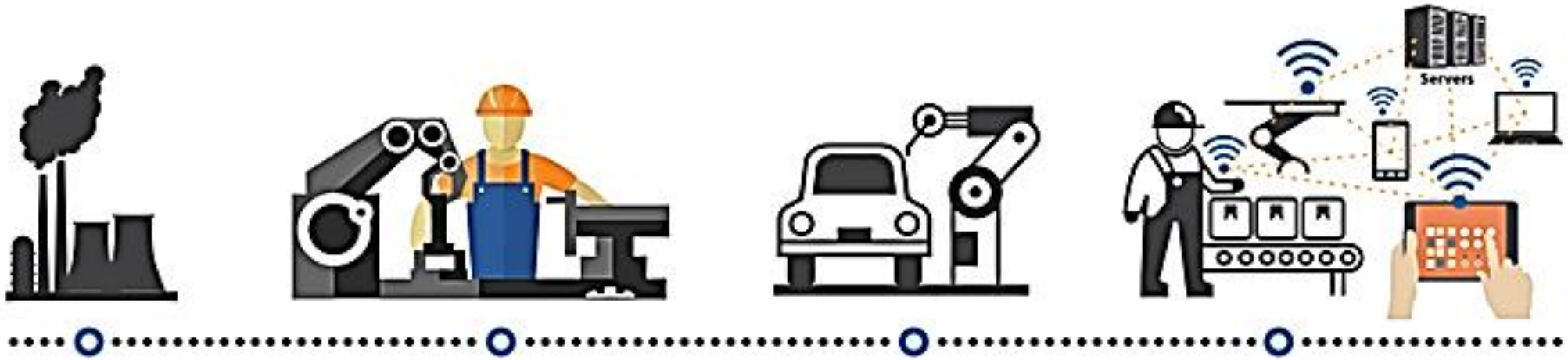


2017	Population (Millions)	Nominal GDP (Bn USD)	Per Capita GDP (USD)	Trade / GDP** (%)
Cambodia	16.0	22.3	1,390	127
Lao PDR	6.7	17.0	2,543	78
Myanmar	52.6	66.5	1,264	45
Thailand	69.1	455.4	6,591	123
Vietnam	93.6	220.4	2,354	185
Guangxi, China***	55.8	275.7	4,941	n.a
Yunnan, China***	47.7	221.5	4,644	n.a

Sources : World Economic Outlook Database, IMF ; http://www.greatermekong.org/statistics
** 2016 figures from World Bank, *** 2016 figures

Industry 4.0

Industrial revolution



18th Century

Industry 1.0
Mechanical production. Equipment powered by steam and water

19th Century

Industry 2.0
Mass production assembly lines requiring labor and electrical energy

20th Century

Industry 3.0
Automated production using electronics and IT

Today

Industry 4.0
Intelligent production incorporated with IoT, cloud technology and big data

Automation

IoT & AI

Source: ThingTrax

I- Gen

Future
Beyond Mobile

2017, AI Debate between Sophia and Han

2015, Nadine, The first humanoid

2000, Widely use of E-Payment System

1998 Google

2007, iPhone First launched

2011- SIRI, intelligent personal assistant, introduced

2009, Issuance of the first Bitcoin

2012, Google Glass, wearable computing eyewear

1997, E-Commerce via Smartphone

eCommerce

1999 Alibaba.com

Launched 2004

1995 ebay amazon

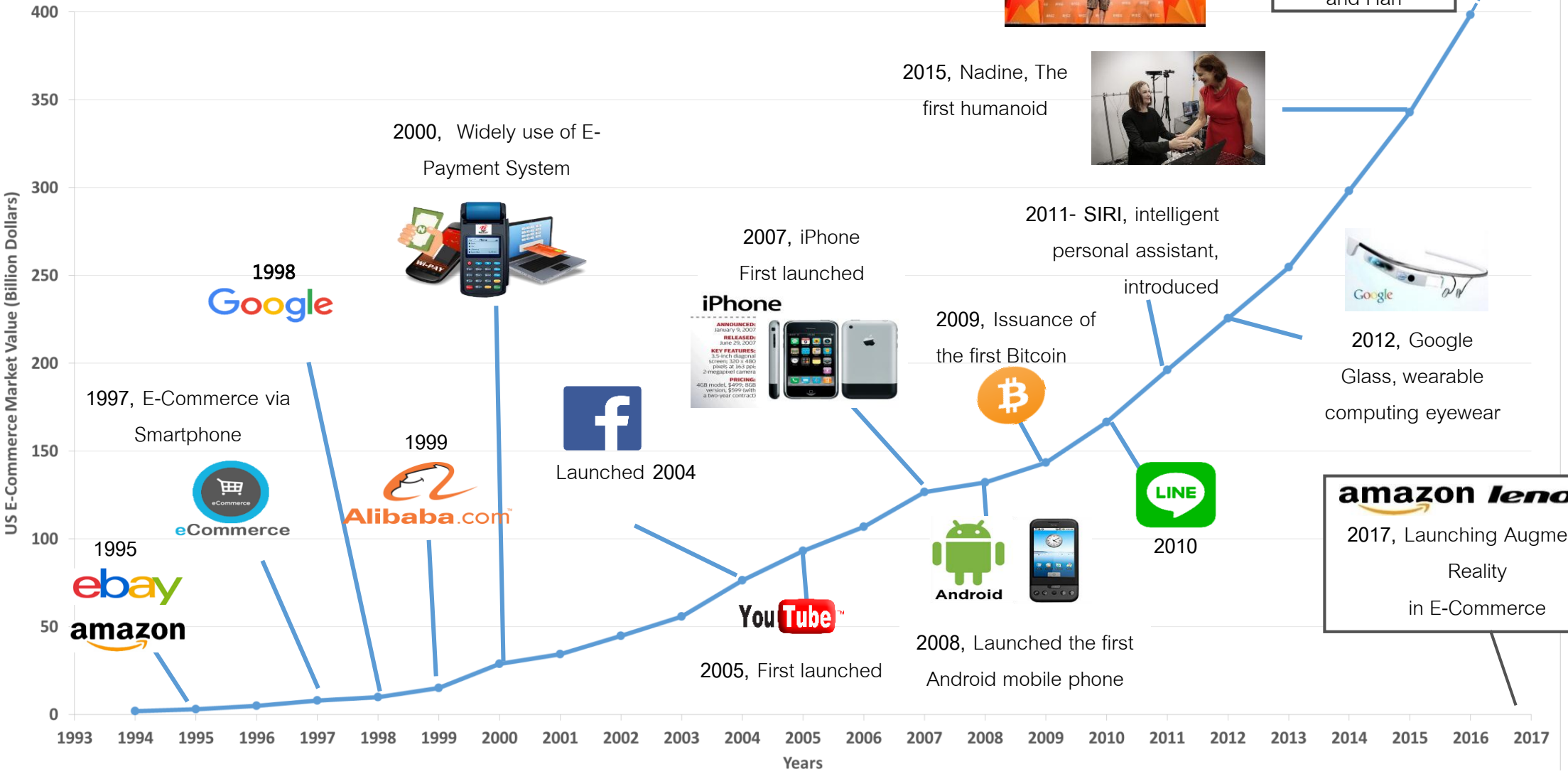
LINE 2010

YouTube 2005, First launched

2008, Launched the first Android mobile phone

amazon lenovo

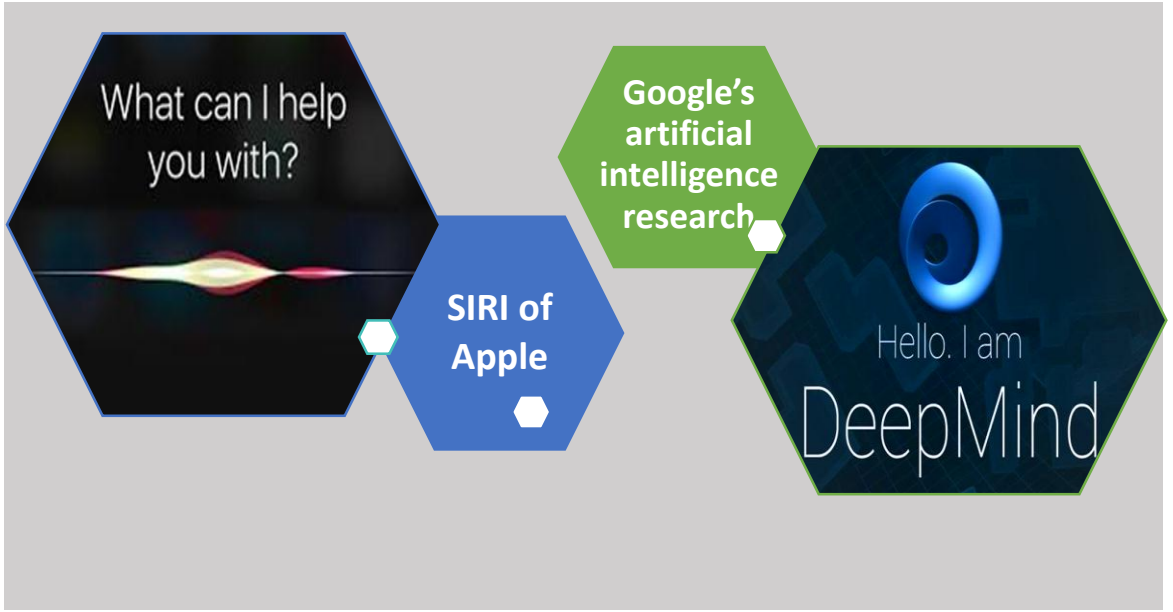
2017, Launching Augmented Reality in E-Commerce

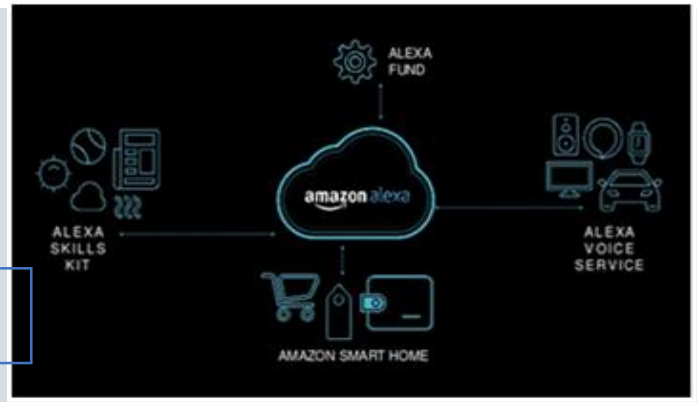


Singularity

Cr photo: https://bpr.berkeley.edu/2016/11/06/what-happens-to-the-workers-the-economic-implications-of-the-technological-revolution/

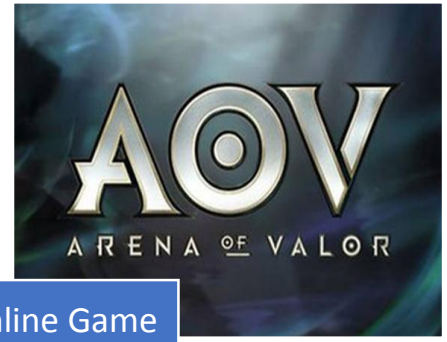
AI in the World





Alexa of Amazon

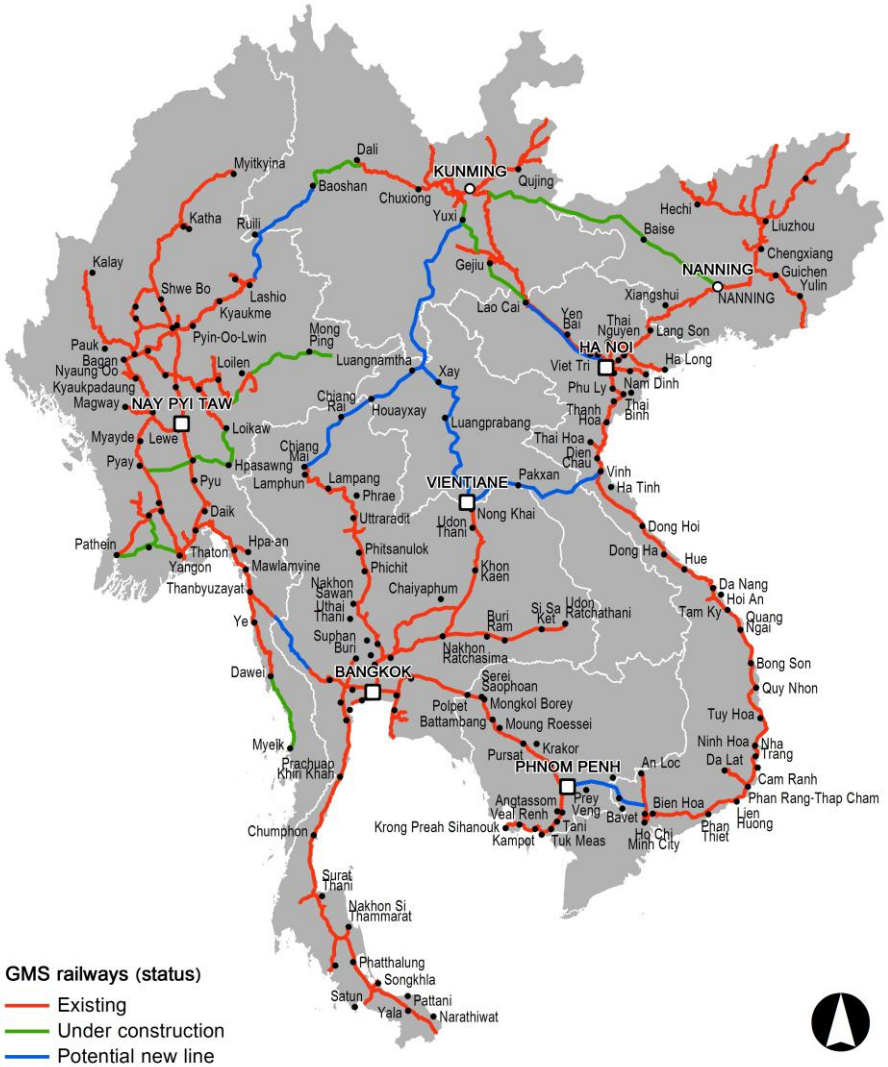
TESLA



Online Game of Tencent, China

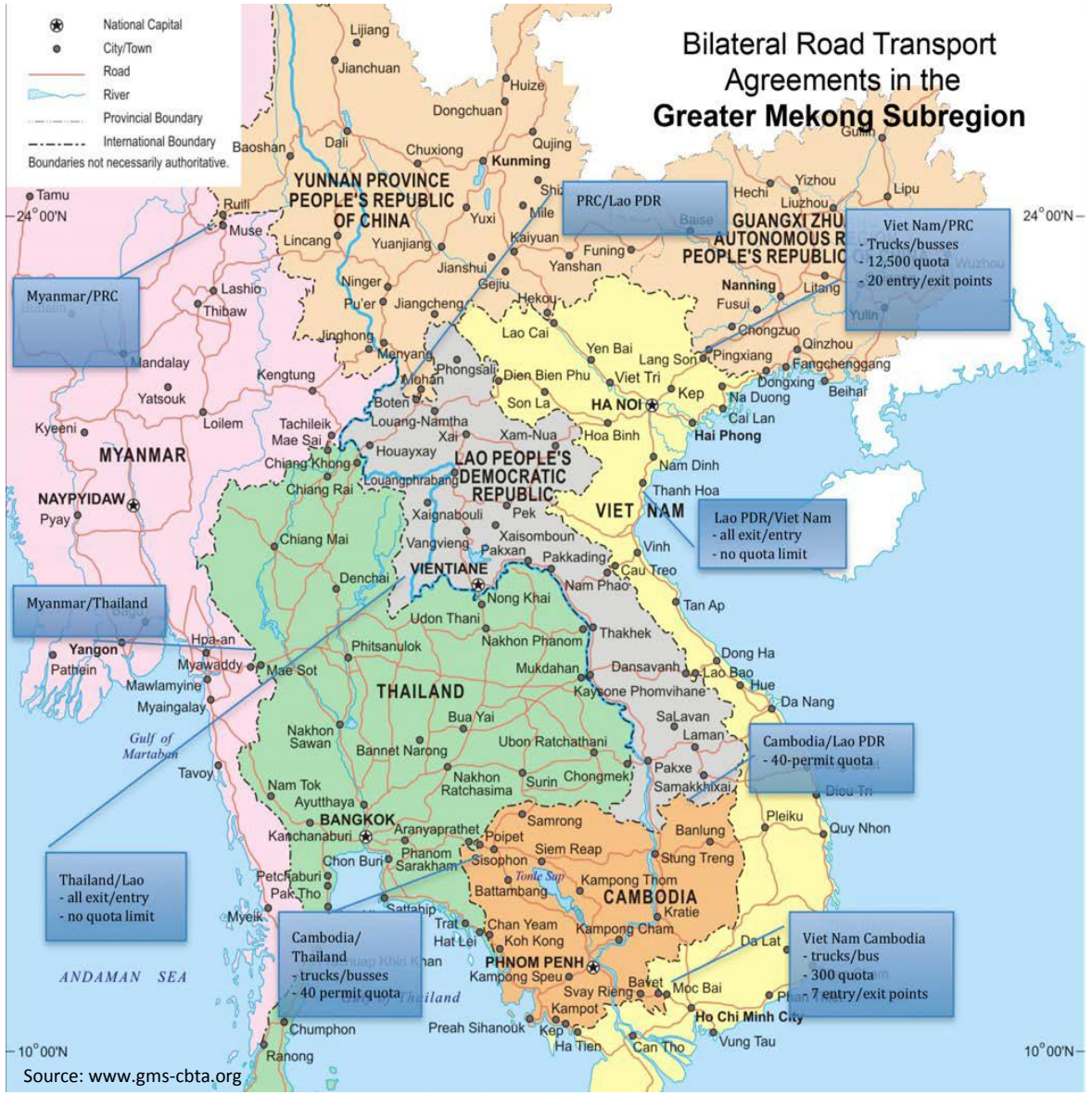
Road/Rail Networks

Railways



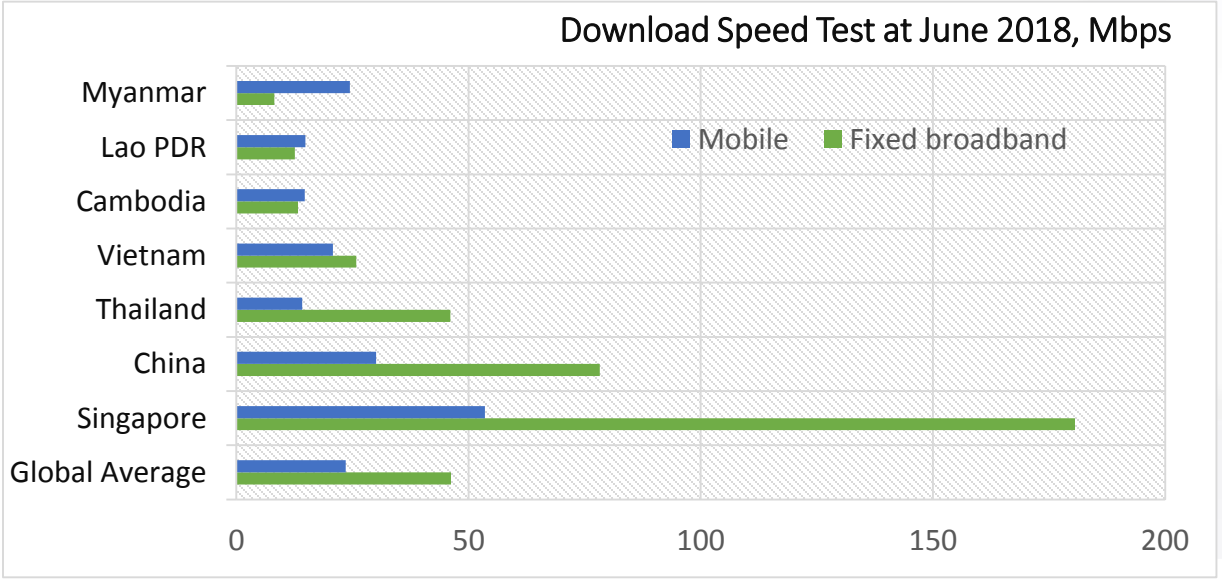
Source: gms-eoc.org

Roads



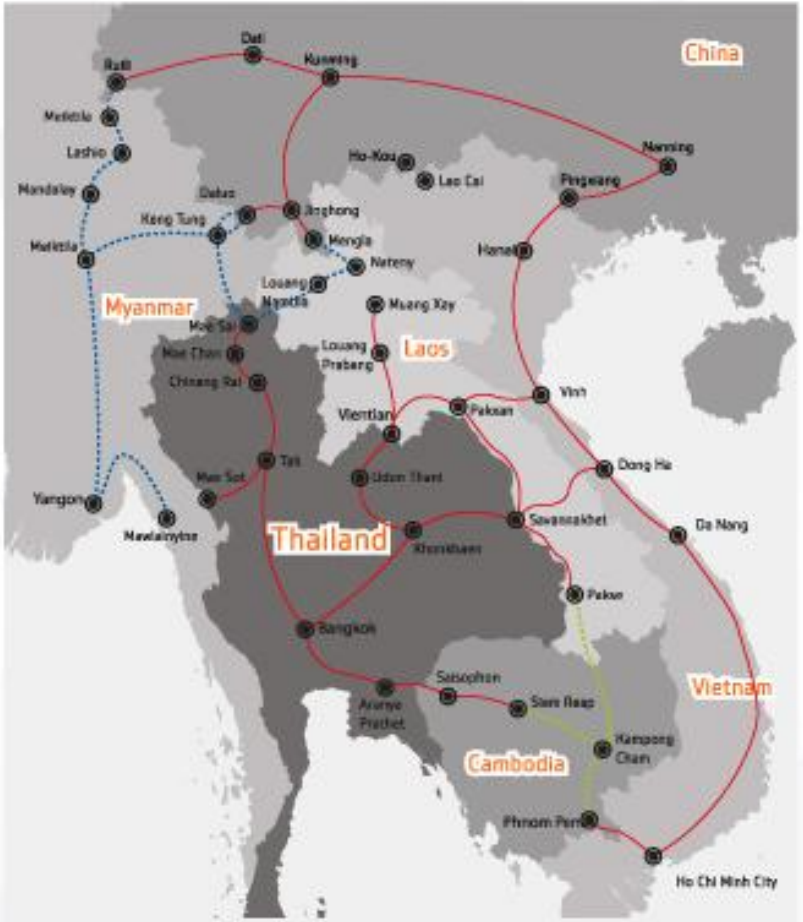
Source: www.gms-cbta.org

Digital Infrastructure



Source: http://www.speedtest.net/global-index

Greater Makong Subregion Information Superhighway Network



Source: www.catdatacom.com

Energy Infrastructure and Connectivity

Wind Farms

Solar Farms

Suphanburi, Thailand

Svey Rieng, Cambodia

Vientiane, Lao PDR

Minbu, Myanmar

Smart Undertakings

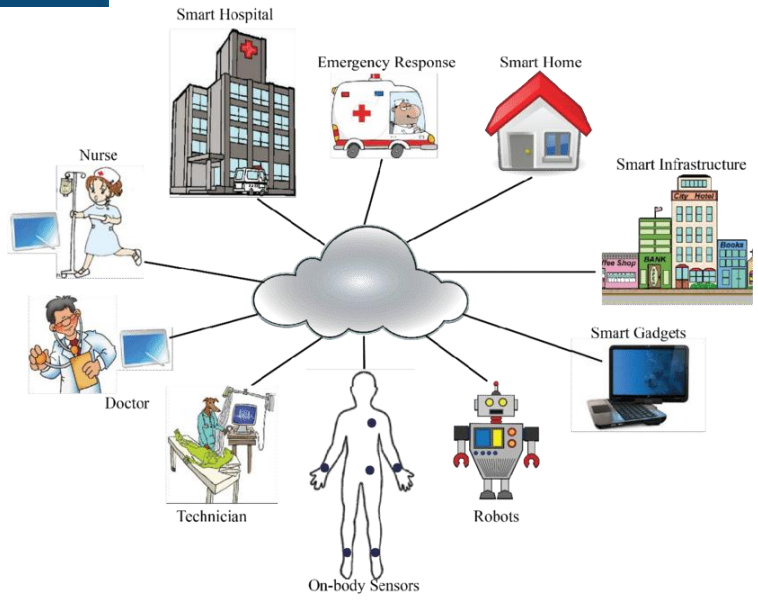
Smart Agriculture

Cr photo: KPMG.com

Cr photo: Medium.com

Smart City

Street lamps in Amsterdam have been upgraded to allow municipal councils to dim the lights based on pedestrian usage

Source: wikipedia.org

Smart Medical Services