

Internet Innovation..... The Future of Africa

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Disruptive Change is Happening...



He has no engine
He does not need refueling.....
Tesla & "Connected Cars"



Amazon Retail
Business &
"Distribution Centre"

OTT (Alibaba..) Disrupts Bank Services

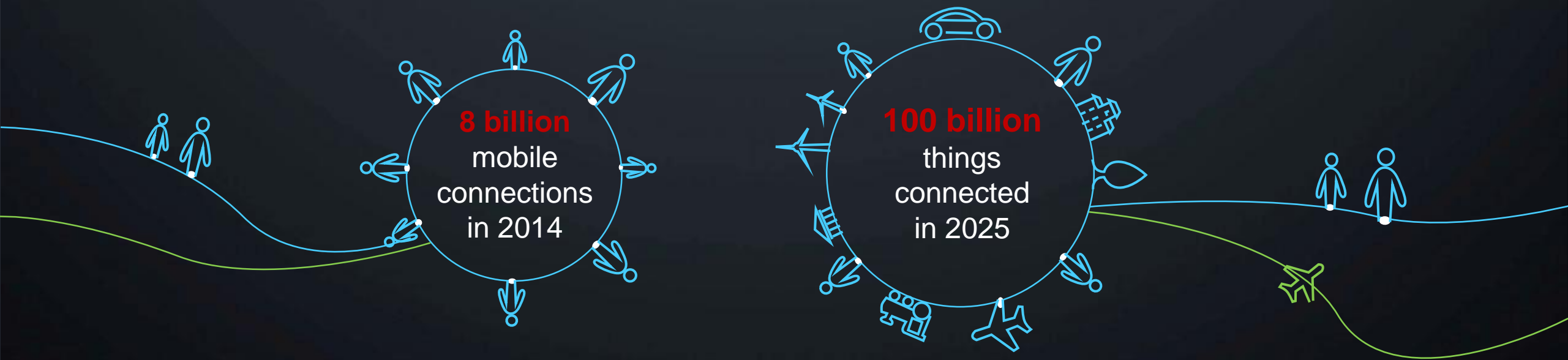


Google Glass
Enters the
Operating Room



- Internet will bring huge innovations and enable limitless possibilities
- Next 20 years will see emergence of a profound synergy between digital and physical worlds

Connection is extending from things to Production Processes

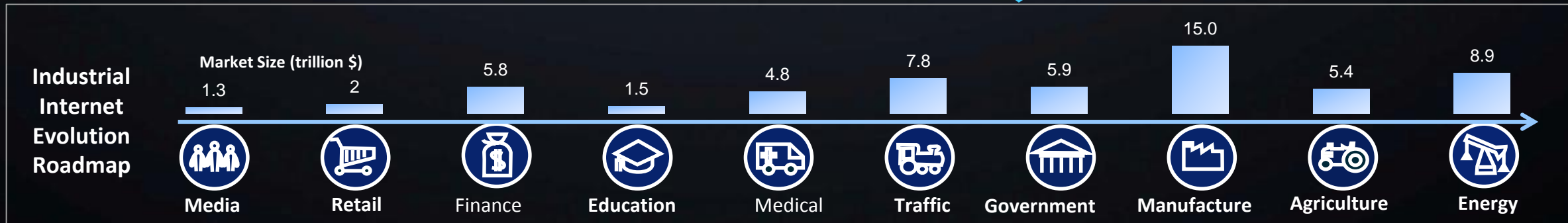
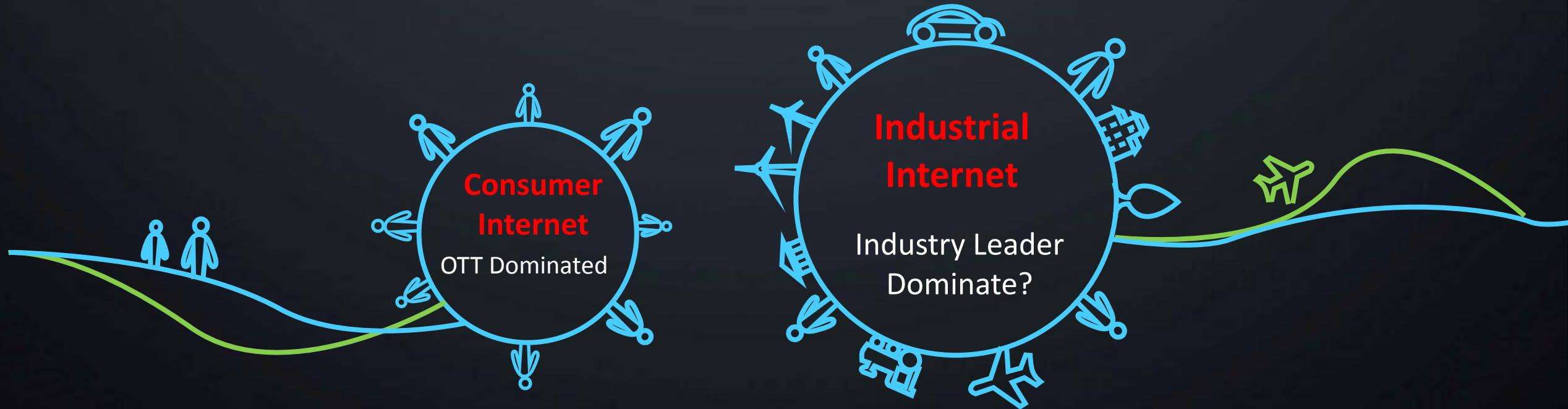


Internet of
People

47 million new sensors
connected per day

Internet of
Things & Service

Entering into the Shift Age...from Consumer Internet to Industrial Internet...



Source: OECD, S&P, Huawei MI

Integration of the Internet to Industries is



catalytic

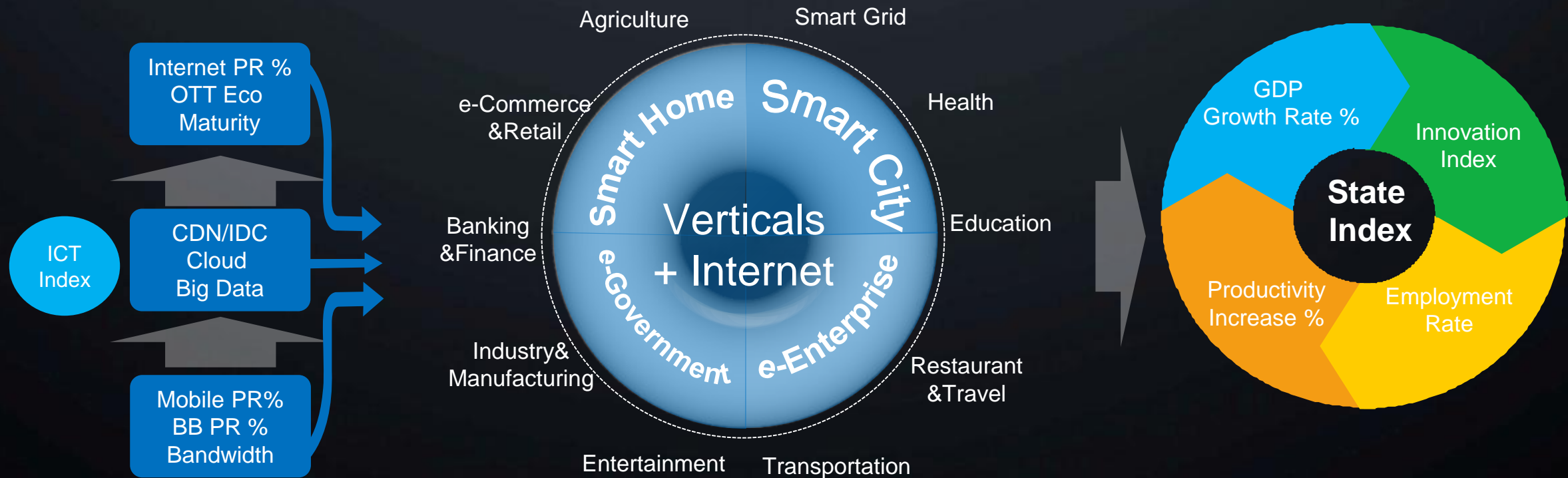
for the Economy

Platform: Digitization

Internetization

New Growth Paradigm

Bolstered by tech, but triggered by [Internet + Verticals]



Source: Huawei Consulting Analysis

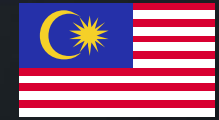
Internet Innovation: Enabling the New Industrial Revolution



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

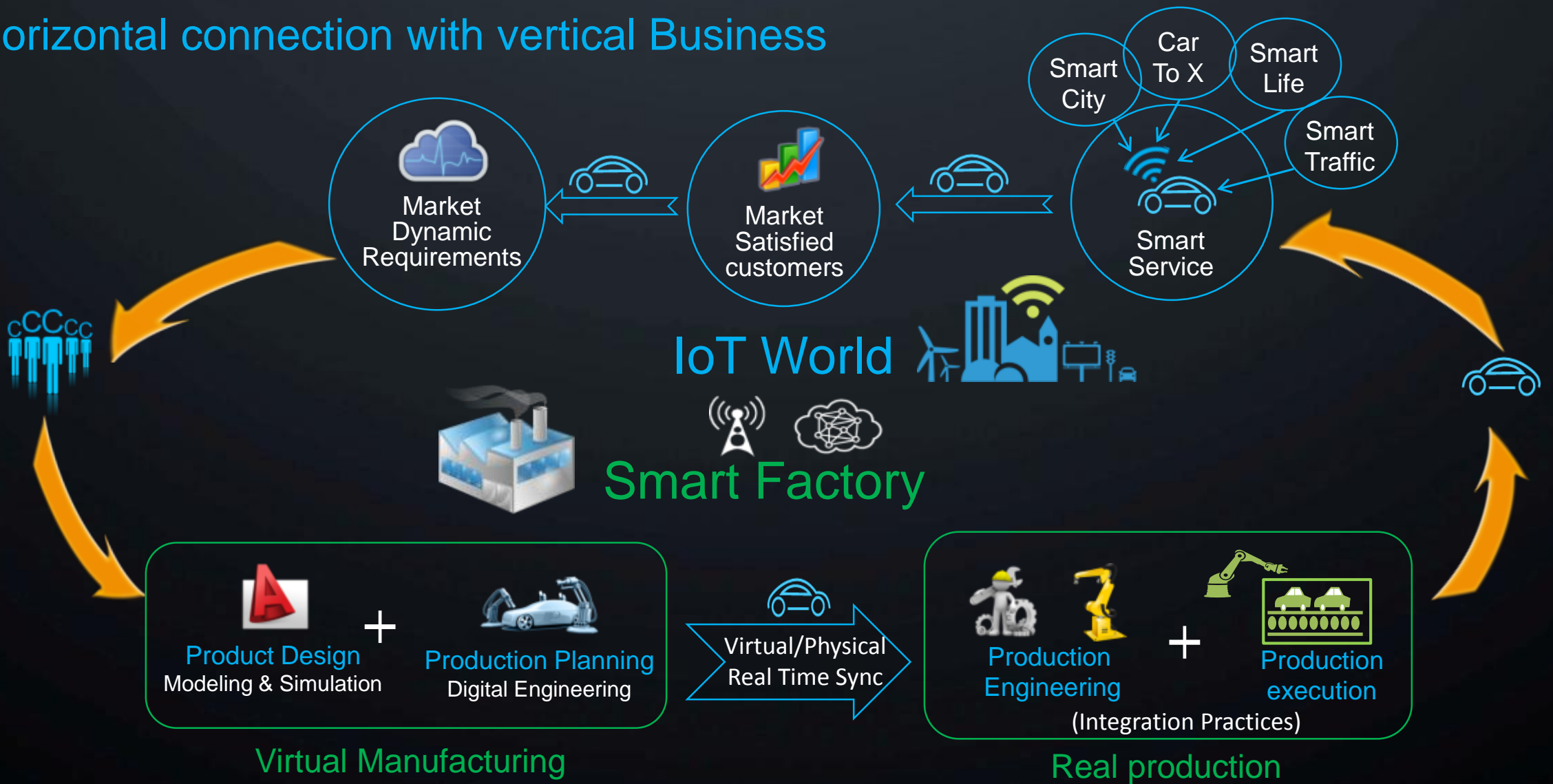
140 countries have developed national broadband plan strategy or policy - ITU

Source: Analysys Mason research

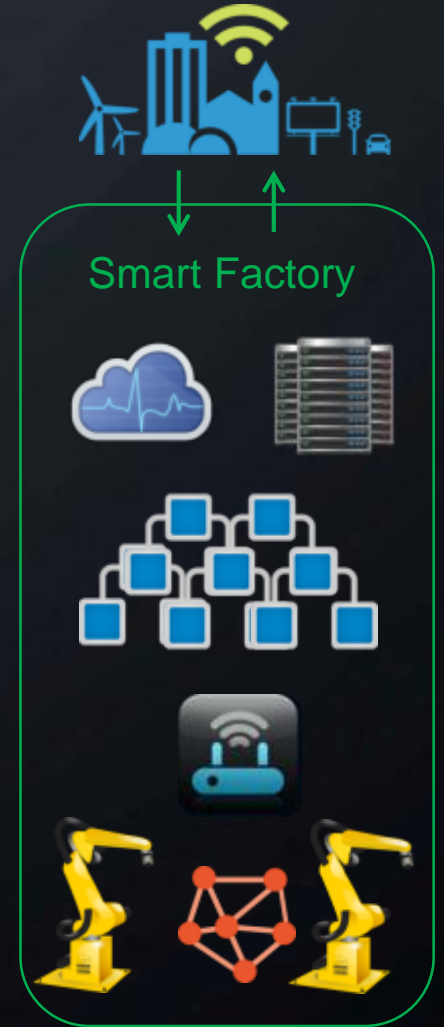
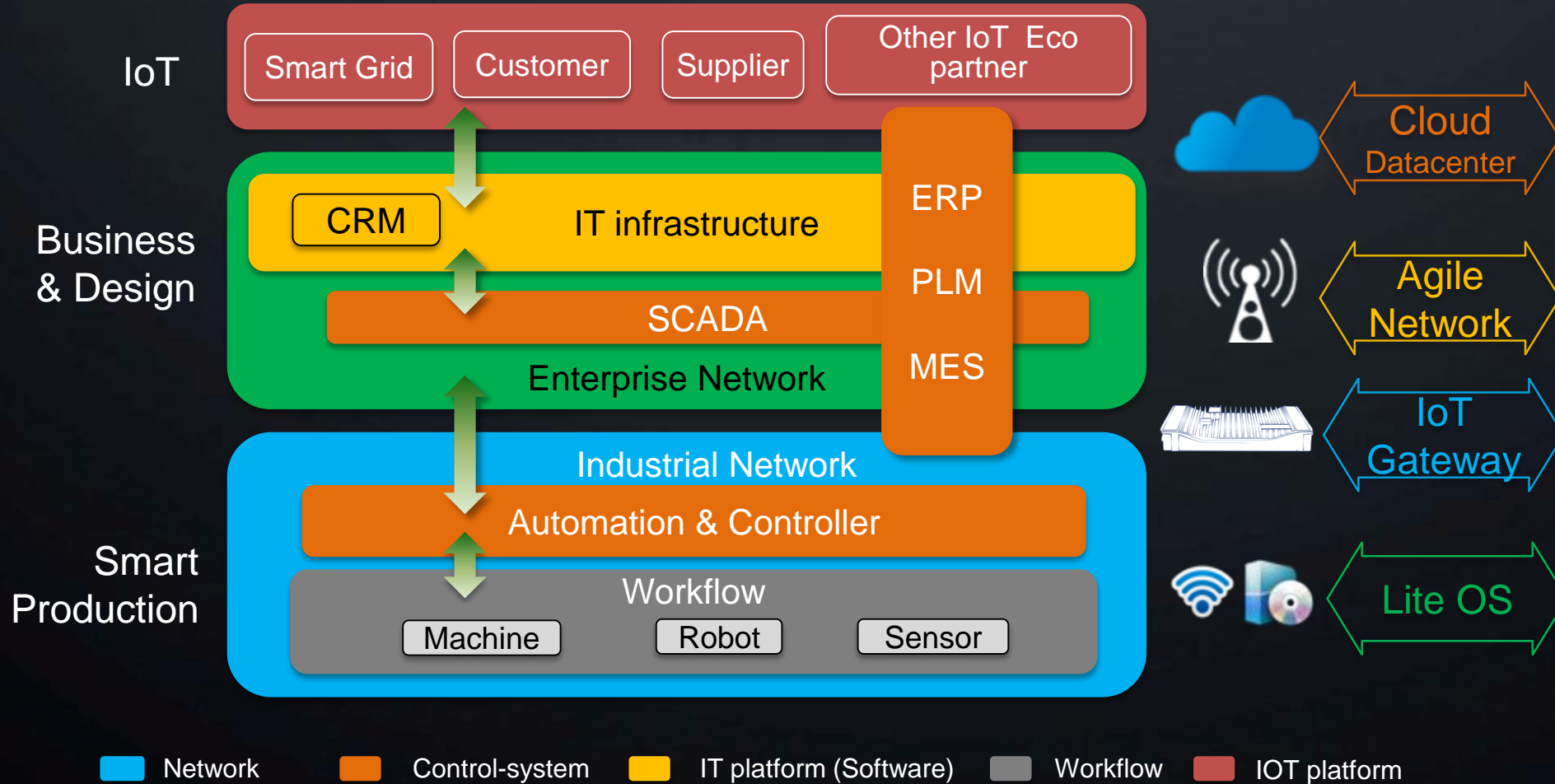
Industry 4.0 – the German vision for advanced manufacturing



Horizontal connection with vertical Business



The Industrial Internet is the foundation of Industry 4.0



China: From Broadband 2020 to Internet +



Definition of Internet+

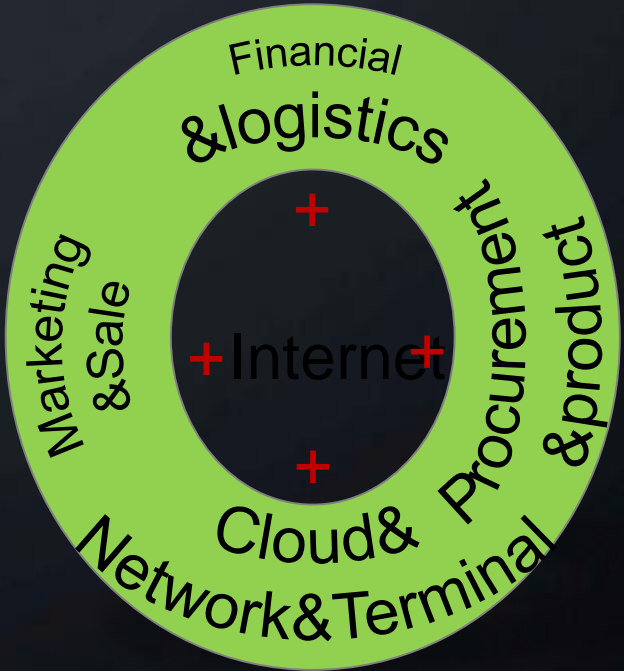


Li Keqiang: “Promoting Mobile Internet , Cloud Computing , Big Data and Internet of Things to combine with modern manufacturing industry , and boosting the development of Electronic Commerce , Industrial Internet and Internet Finance”

Phenomenon of Internet+



Essence of internet+



With help of Internet to make Information more equivalent, leading to enterprise and industrial innovation

Internet+ Milestones



Achievement of Broadband China

- FTTH Penetration increase from 22pct to **56.1%**.
- Percentage of 8M+ broadband increase 29pct to **69.9%**, while 20M+ increase 23% pct to 33.4%.

2014.3 “**Delivery Program of Broadband China 2014**” was released by Dept of China Communication Industry, which include **Broadband China Demo Rural Areas**, and **Broadband China Demo Cities**.

2015.3

PREMIER LI KEQIANG AND INTERNET PLUS

Internet Plus became one of the top ten phrases in China in 2015, according to a leading Chinese language magazine. This is mostly due to Premier Li Keqiang, who first proposed developing the “Internet Plus” action plan in a government work report. Over the year, the plan played an important role in encouraging the development of e-commerce, industrial networks, and Internet banking.



2015

2015.3 “**Broadband Map of China**” was built by “China Broadband Alliance”.

2015.4 “**China Broadband Access Network Opening Policy**” was released.

2014

2013

2013.3 “**China Broadband Alliance**” was officially founded which sponsored by Dept of China Communication Industry, and the main members are Government, Carriers, OTT & ICT Industry Vendors etc .

2013.4 “**Broadband China Strategy and Executive Plan**” was officially released by The State Council of China.

2012

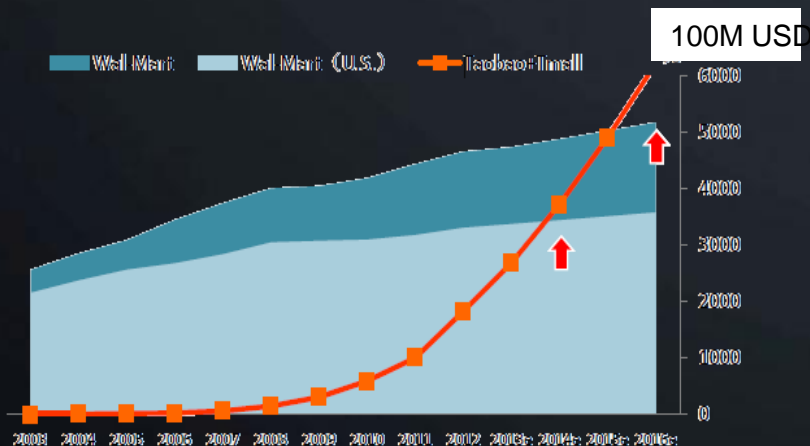
2012.3 “**Guidance opinions on Broadband speed upgrade**” was released by China Development Committee, Dept of China Communication Industry, etc. together.

Socio –economic Effects of Internet+



Effect on retails : It Changed the retail, changed the life of Chinese people

Effects on financial industry: It Changed the financial development



Increase 40% consumption
4 times efficient than traditional retail

27 M Parcels
8.5M Merchands
1000M goods

650M Network of users
100M Visits



Cash



Card



Mobile



Bank



ATM



Person Bank

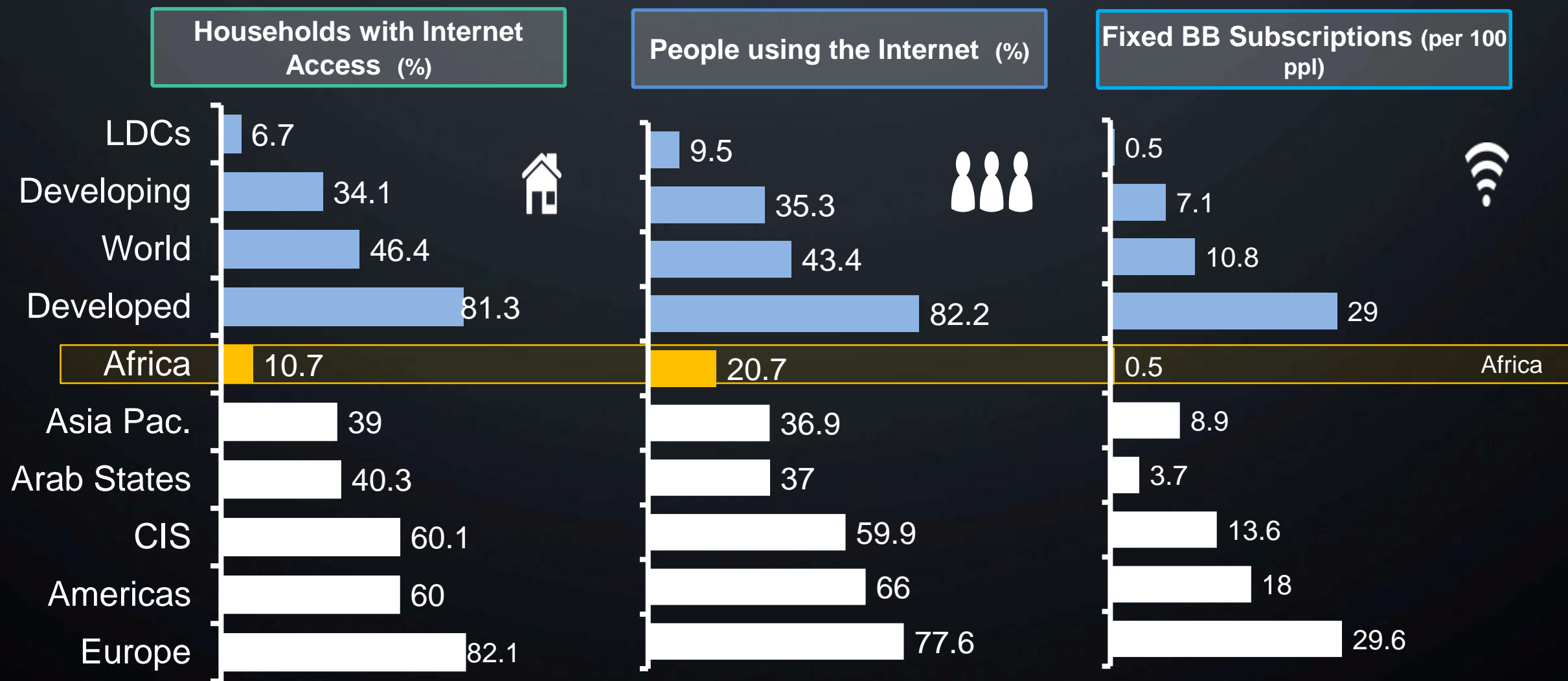


250B
1850 M users

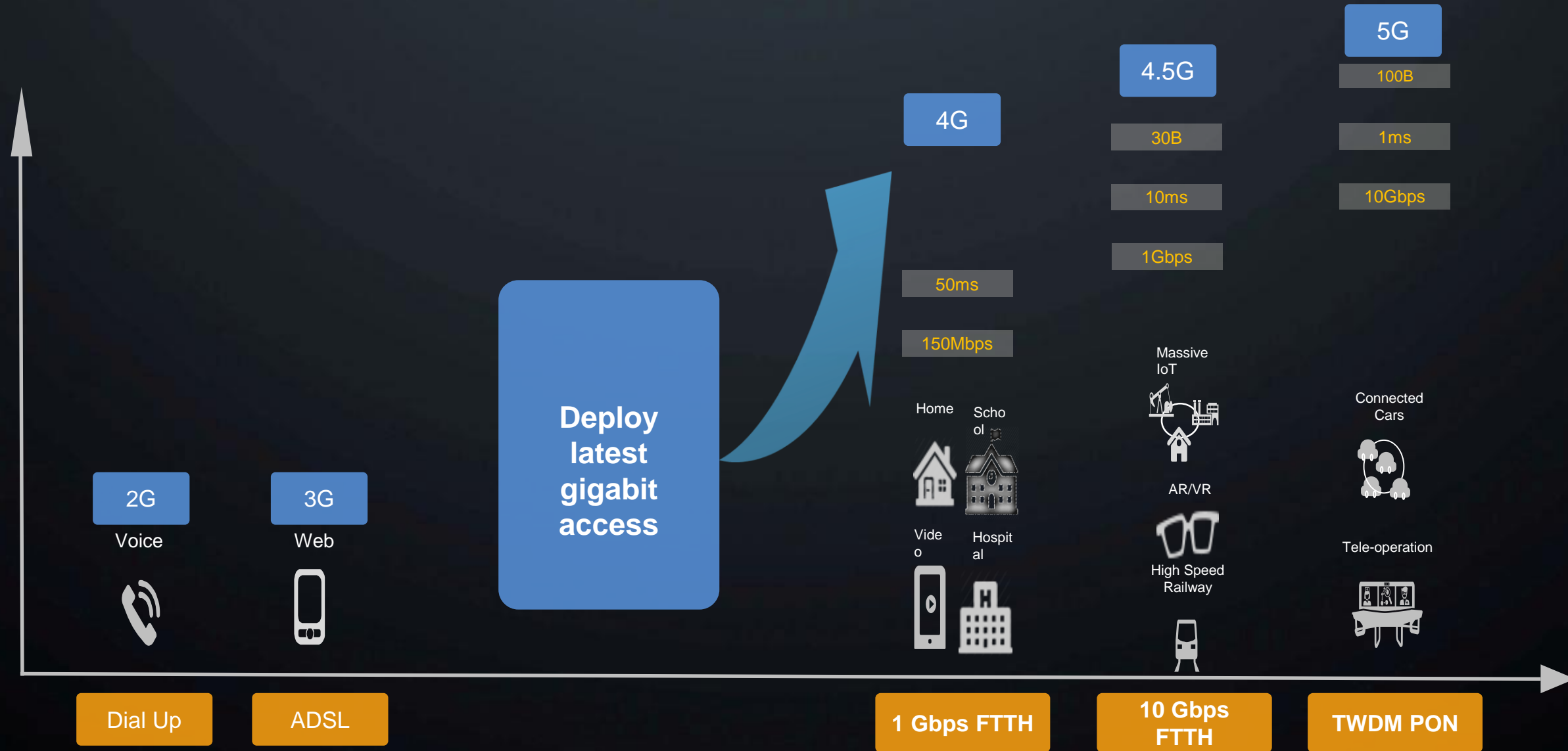
6.6B
2.5 M users

User increase 740 times in 7 months
Capital increase 39 times in 7 months

Internet in Africa: Supply Vs Demand



generation opportunity : Leapfrog Potential for Africa

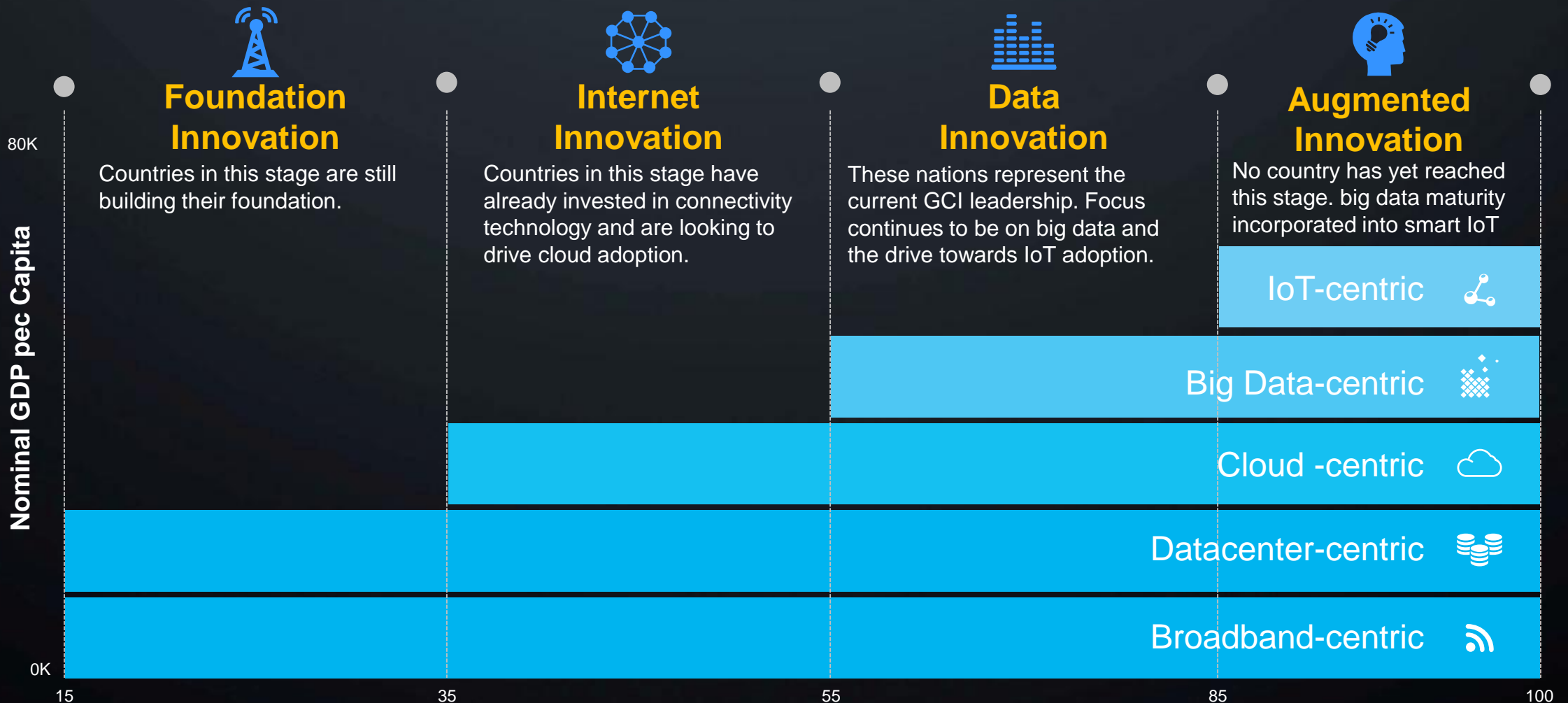


Benchmarking digital economy transformation



The GCI provides a comprehensive and objective assessment of a country's connectivity from both a national and business perspective.

Innovation within Technology Progression



Broadband is Africa#1 technology enabler HUAWEI

Priorities for investing in technologies



Internet Innovation is Collaborative Innovation



Policies institutions and incentives :

Policies set the direction of digital transformation, and form the legal basis for a nation to act.

Incentives set the speed and depth of change and institutions drive change, provide governance, and monitor progress.



Manpower and skills :

Skilled manpower is at the heart of digital transformation. Technical, management, policy, and planning skills are all needed.

IT literacy is crucial as it affects how digital content is consumed and adopted by people at large.



Digital ecosystem:

Governments need to take the lead in digitally transforming themselves, driving cross-industry collaboration, and building long-term partnerships with the private sector and the financial world to create a robust ICT ecosystem.

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THANK YOU

