SMART CITIES: THE UK AND CHINA SPEAKERS

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Corin Wilson

Smart Cities Project Manager,
UKTI

INNOVATE UK 2014
THE GLOBAL SPOTLIGHT
ON UK INNOVATION

SMART CITIES: THE UK & CHINA

- Opening Address – Corin Wilson, Smart Cities, UKTI. Overview of UK/China collaboration

- Huawei – Operating in a Smart City World

- Hikvision – Operating in a Smart City World

- Panel Discussion – Chaired by John Davies, Director, Technology Partnerships, UKTI
  - Huawei
  - HikVision
  - TP-Link
  - Oppo
  - Qin Li, Head of Information Economy, UKTI China
  - Corin Wilson, Smart Cities, UKTI

SMART CITIES, THE UK, CHINA AND BEYOND

- By 2050, the human population will have reached 9 billion people, with 75% of the world's inhabitants living in cities.
  ('Global Market Opportunities and UK Capabilities for Future Smart Cities' Department for Business, Innovation and Skills, 09 Oct 2013)

- An estimated 80% of global GDP is from goods and services associated with cities

- By 2020 there will be 26 'Global Smart Cities and '90 Global Sustainable Cities'. 50% of these within North America and Europe.
  ('Strategic Opportunity Analysis of the Global Smart City Market'. Frost & Sullivan, August 2013)

- Frost & Sullivan, $1.5trillion global market by 2020. Key growth sectors seen as healthcare, infrastructure, education and energy

- Arup values the smart cities industry at more than $400 billion globally by 2020, with the UK expected to gain a 10% share focused for the most part in the areas of energy, water, waste, transport and health

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- 截止今年9月，我国311个城市提出或在建智慧城市
- By this September, 311 cities in China proposed or started smart city projects
- 2013政府工作报告或者国民经济“十二五”规划中正式提出建设智慧城市的全国地级以上城市共52个
- 52 cities nationwide of the regional level or above formally proposed smart city projects during their 2013 Government Work Report or the Twelfth FYP for National Economy
- 北京、广州、天津、上海等23个城市正式发布智慧城市相关专项规划或行动计划
- 23 cities (e.g. Beijing, Guangzhou, and Tianjin) formally announced special planning or action plan on smart city
- Source: CATR (China Academy of Telecommunication Research)

SMART CITIES, THE UK, CHINA AND BEYOND

- The UK has particular strengths which could account for between 10% and 25% of the total $400billion global smart cities market by 2020 as follows:

- Glasgow Future Cities demonstrator, £24M investment
- £189 million funding for capital investment in data centres and energy efficient computing
- Open Data Institute – Set up by Sir Tim Berners-Lee & Prof Nigel Shadbolt; CEO – Gavin Starks

UKTI AND SMART CITIES

- UKTI Smart Cities Strategy – ‘Born’
- UKTI Global Smart Cities High Value Campaign
- Technology is Great
- Innovate UK
- Smart City Expo World Congress
- Smart Cities Trade Mission
- Stakeholders

UK/CHINA AND SMART CITIES

- UKTI offices in Beijing, Shanghai, Guangzhou, Chongqing and Wuhan (March 2015)
- 英国贸易投资总署在中国北京，上海，广州，重庆及武汉（2015年3月）设有代表处。

- UKTI working on smart cities with MIT and CATR; MOHURD and Digital China
- 在中国智慧城市建设上，英国贸易投资总署与中国工信部，工信部电信研究院；住建部和神州数码有着紧密的联系。

- UKTI working with cities including Wuhan; Xuzhou; Qingdao; Qianhai; Beijing
- 其中，英国贸易投资总署也与武汉，徐州，青岛，深圳前海，北京等智慧城市代表城市/区域有密切的合作。

- December 2014 UKTI report on 10 China smart cities projects for UK/China partnership
- 至2014年12月，英国贸易投资总署将发布10个中国智慧城市潜在项目，为英中两国在智慧城市建设中作为合作探讨

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THANK YOU

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DATA AS AN ENABLER FOR SMART CITIES

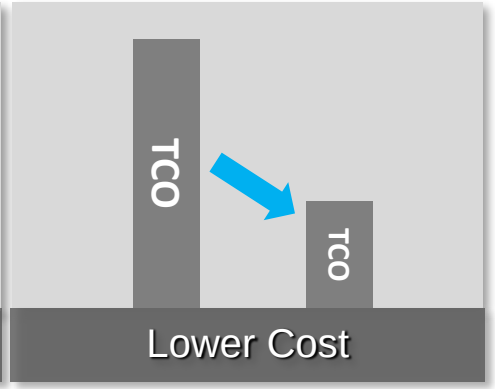
John Morrison

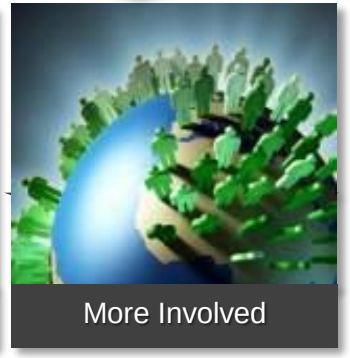
Director, UK Enterprise

AGENDA

- Smart Cities Trends and Drivers
- Smart City Approach
- Smart Framework
- So What Next

SMART CITY DRIVERS





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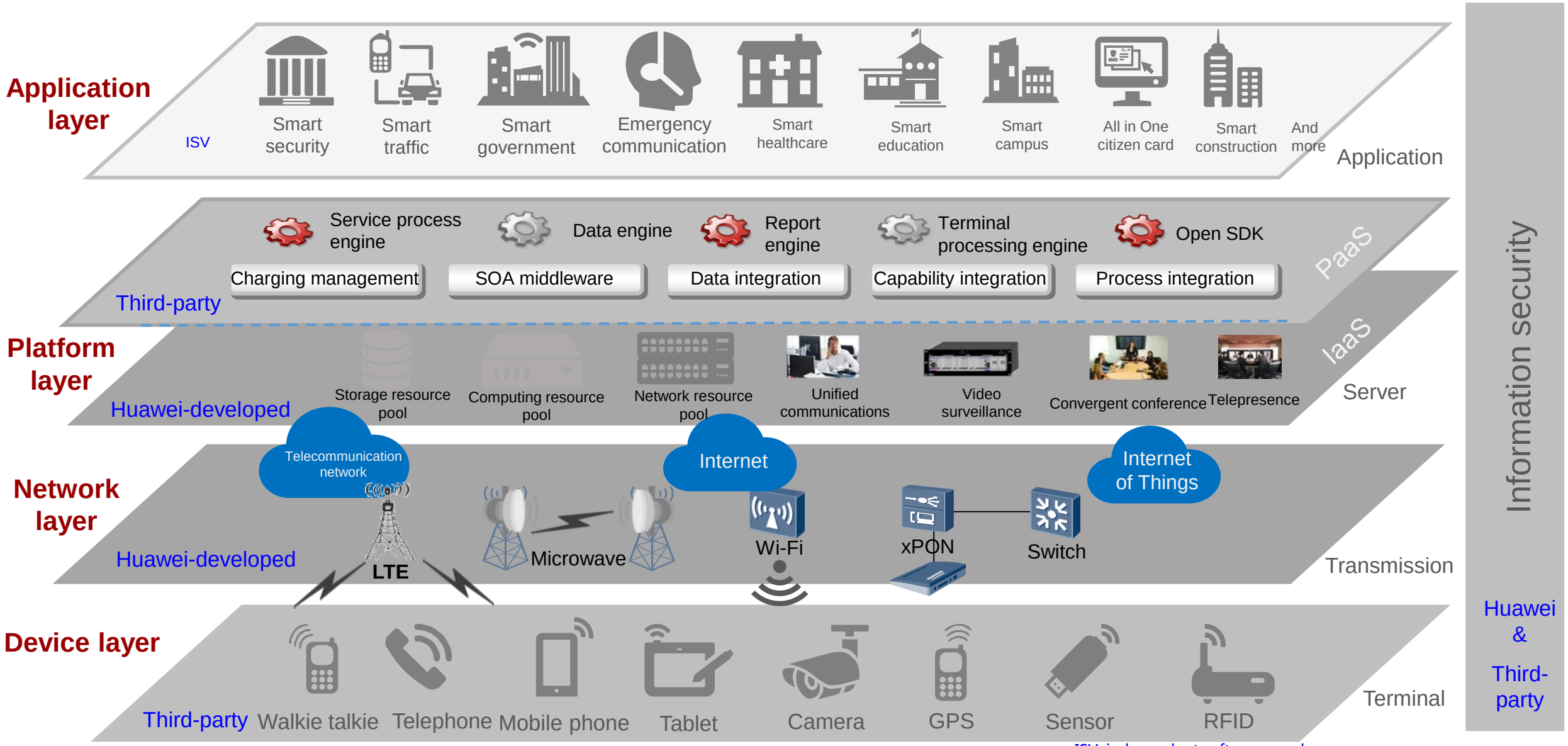
STEPS TO BUILD A SMART CITY

1. Establish a clear development plan
2. Build a perceptive city
3. Build a smart city under unified management
4. Building Scientific Standard & Open platform
5. Choose a Suitable Business Model

HUAWEI SMART CITY FRAMEWORK



ISV: independent software vendor

SO WHAT NEXT?

- Technology moves from static infrastructure to dynamic enabler
- Citizens move from consumers of services to key stakeholders and innovators
- Businesses move from suppliers to partners with the city
- City moves from straightforward growth to transformation
- Collaboration is the key

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Tony Yang

General Manager of Hikvision

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