Smart cities and smart mobility
Tim Hanley, Deloitte Global Leader, Consumer & Industrial Products Industry group
7 June 2017. CEA Asia. Shanghai, China
Setting the context..

• Smart city framework
• Smart mobility as a domain of a smart city
• Smart city trends and challenges
Smart cities are evolving around the globe
More than half of the world’s population now resides in urban areas, urging city governments to seek city-level solutions for city-level problems
Making a difference
A well connected city manages energy consumption more efficiently and enables governments to respond proactively to critical situations.

Lower unemployment rate (% points) recorded by cities that invest in smart grid technology and infrastructure*  
Source

Higher GDP growth rate recorded by cities that invest in smart-grid and infrastructure*  
Source

Higher office occupancy rate recorded by cities that invest in smart grid technology and infrastructure*  
Source

Growth in GDP growth, resulting from every 20% increase in ICT investments  
Source

*Based on Jones Lang LaSalle’s analysis of the GDP growth rate, unemployment rate and office vacancy rates of the top 10 Smart Grid Cities in America (US News Report) as compared to the national average.  
Source: Smart City Council; JLL Connected City Study; Global connectivity index 2015; TMTforum

© 2017. For information, contact Deloitte Touche Tohmatsu Limited.
Barcelona’s smart parking increased parking revenue by USD50 million per year.

Barcelona’s smart water initiative saves the city USD58 million annually.

Barcelona an early pioneer of a smart city.
Singapore’s ambition for a Smart Nation
Smart mobility solutions

- Smart parking
- Real-time information
- Advanced traffic control
- Connected vehicles
- Ride sharing
Smart mobility - nuTonomy and Grab testing self-driving car and ride hailing app service in Singapore
Smart mobility as a service in Helsinki
Smart city trends
Governments are under increasing pressure to address socio-economic, resiliency, and citizen engagement issues

Unprecedented Urbanization
Trending Green
Safety and Security
Exponential Innovation
Transparent Government
Smart city initiatives face some common challenges that require creative solutions.

- Holistic customer experience
- Funding limitations
- Ecosystem expansion
Today’s panel topic

What societal promises do sensing and connected technologies offer? Our experts will discuss smart cities and how organizations can collaborate to create efficient mobility that delivers on consumers’ expectations and helps solve societal challenges, including pollution, infrastructure, grid lock, and more.
About Deloitte
Deloitte refers to one or more of Deloitte Touche Tohmatsu Limited, a UK private company limited by guarantee ("DTTL"), its network of member firms, and their related entities. DTTL and each of its member firms are legally separate and independent entities. DTTL (also referred to as "Deloitte Global") does not provide services to clients. Please see www.deloitte.com/about for a more detailed description of DTTL and its member firms.

Deloitte provides audit, consulting, financial advisory, risk management, tax and related services to public and private clients spanning multiple industries. With a globally connected network of member firms in more than 150 countries, Deloitte brings world-class capabilities and high-quality service to clients, delivering the insights they need to address their most complex business challenges. Deloitte's more than 244,400 professionals are committed to making an impact that matters. Deloitte serves 4 out of 5 Fortune Global 500® companies.

About this presentation
This communication contains general information only, and none of Deloitte Touche Tohmatsu Limited, its member firms, or their related entities (collectively, the "Deloitte Network") is, by means of this communication, rendering professional advice or services. Before making any decision or taking any action that may affect your finances or your business, you should consult a qualified professional adviser. No entity in the Deloitte Network shall be responsible for any loss whatsoever sustained by any person who relies on this communication..

© 2017. For information, contact Deloitte Touche Tohmatsu Limited.