

# Huawei at a Glance



## Sustainable Business Growth

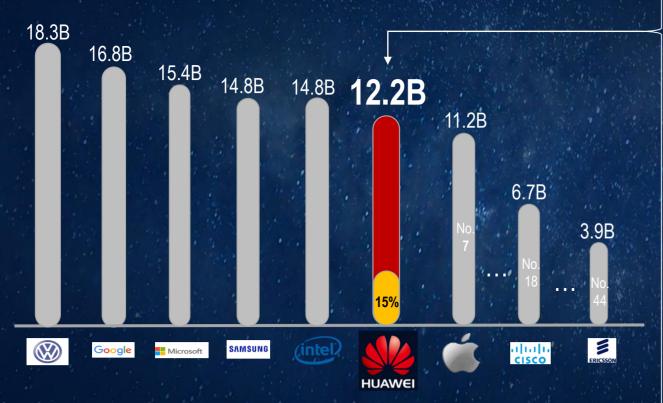


Note: financial data audited by KPMG \*: 2017 data not audited yet, \*\*: % by RMB



## Continuous Investment in R&D

#### TOP 6 @ The 2017 Industrial R&D Investment (\$)



Source: European Commission

#### **Continuous Investment in R&D**

- 12~15% of annual revenue as R&D investment
- US\$48 billion+ invested in R&D from 2007 to 2016

#### ~15% of R&D Investment for preresearch in New Directions:

- 5G
- · Cloud, Al, IoT...
- Chipset
- Next Generation DC
- All-optical Networks...
- New Materials, etc...
- 1.0

## Vision and Mission



All Things Sensing



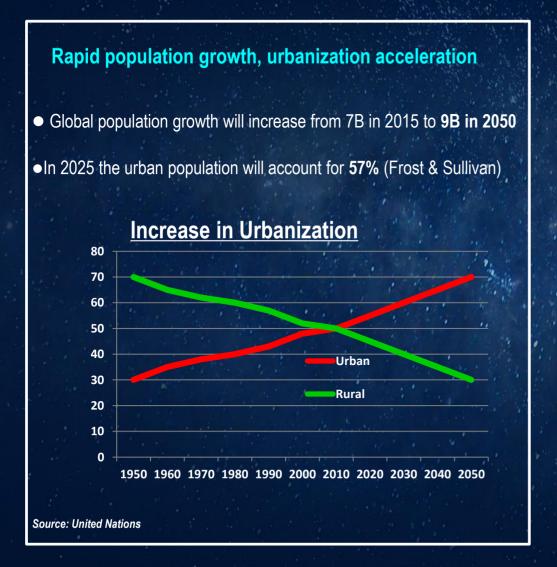
All Things
Connected



All Things Intelligent

Bring digital to every person, home and organization for a fully connected, intelligent world

# Why Do We Need Smart Technologies?





#### SMART CITIES need to solve real urban issues



54% of the global population - to become 66% by 2050



75% of an average country's GDP



75% of global primary energy consumption



50% to 60% of global greenhouse gas emissions



In the U.S., city commuters spend **7 billion hours** in traffic jams that cost the whole economy an estimated **\$160 billion** 



In the U.K. the rate of violent crime is approx. **12 acts per 1000** people in urban areas and below **7 per 1000** people in rural areas

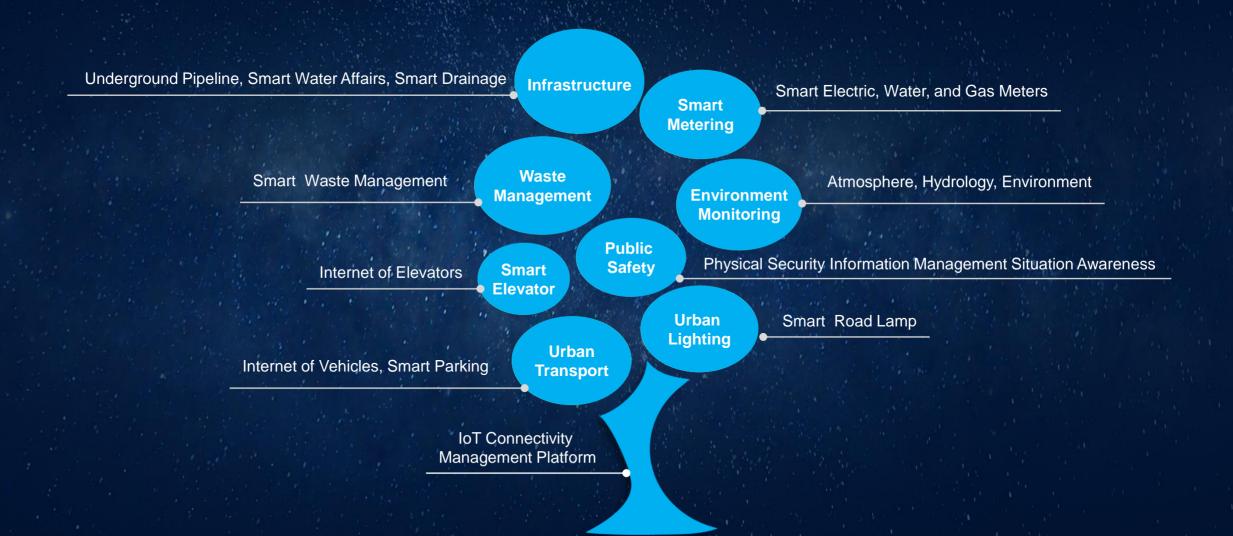


**23%** of the world's population lives in cities within **100 km** distance of the coast, thus are exposed to saltwater intrusion and risk of flooding

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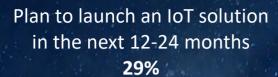


#### IoT - the Foundation of Smart World

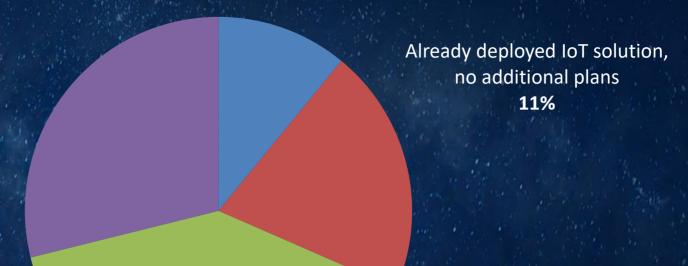


# Global IoT deployments

#### **Worldwide Local Government IoT Adoption and Investment Plans**

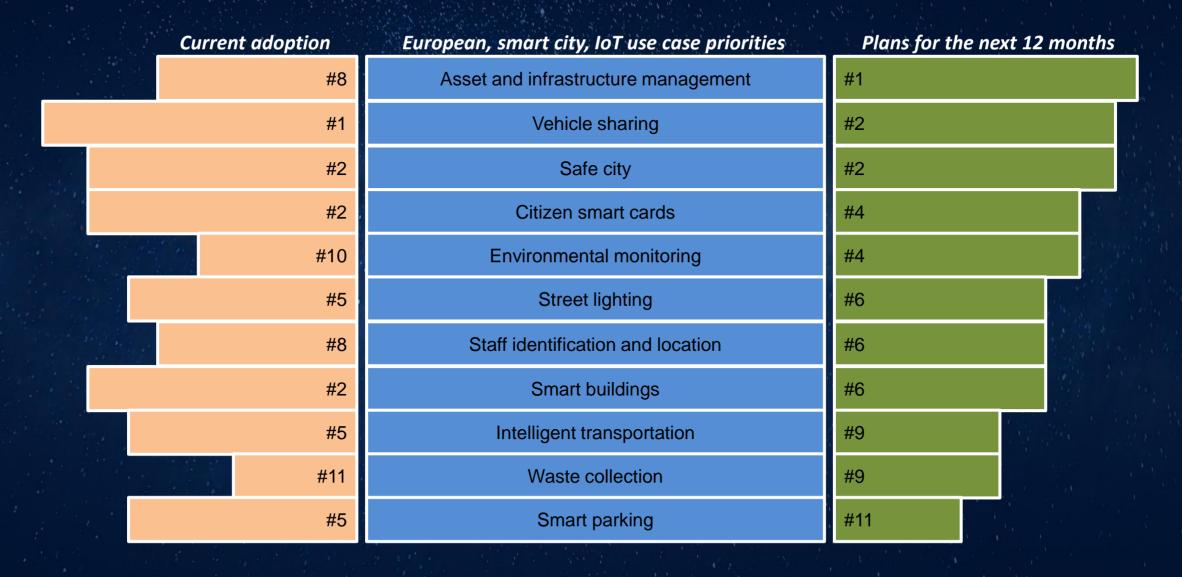


Plan to launch an IoT solution in the next 12 months
39%



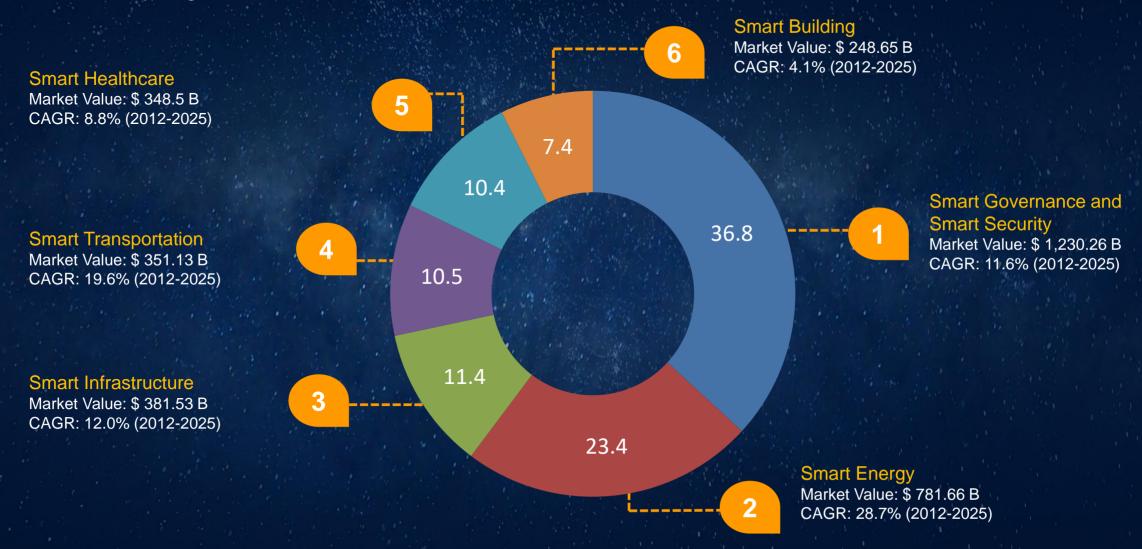
Already deployed, plans to extend in the next 24 months **21%** 

# Public Safety and Asset Management are top priorities

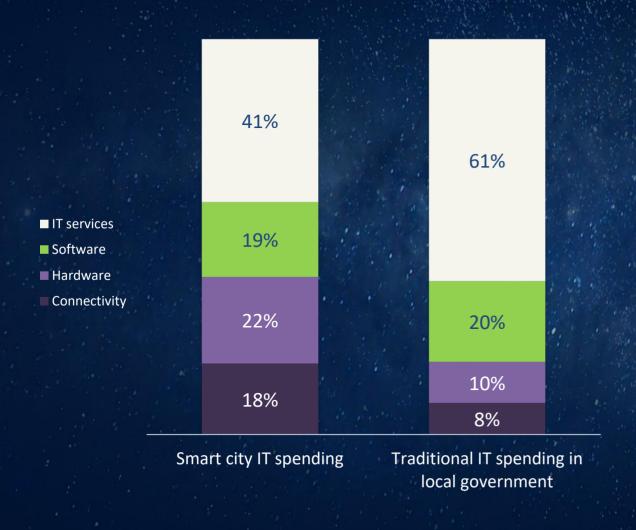


# Smart and Digital Boost Economy of over \$3 trillions

Market Value by Segment, Global, 2025



# Smart Cities should be deploying infrastructure



- Establish a digital transformation unit that will define key policies
- Design a **strategy** that **aligns** with long-term goals
- Actively engage with the **ecosystem**
- Develop integration platforms incrementally
- Make data available across departments and

with the ecosystem through standard APIs

# Results are promising...

Networked LED
Street lighting



**50%** operation and energy Costs Savings

Connected Trash Bins



40-80% Labor cost reductions

35%
Operation Efficiency

Smart Parking



Traffic speed +20%

-85% Manpower

-90% Illegal Parking

Smart Buildings

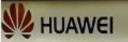


payback in less than
6 months

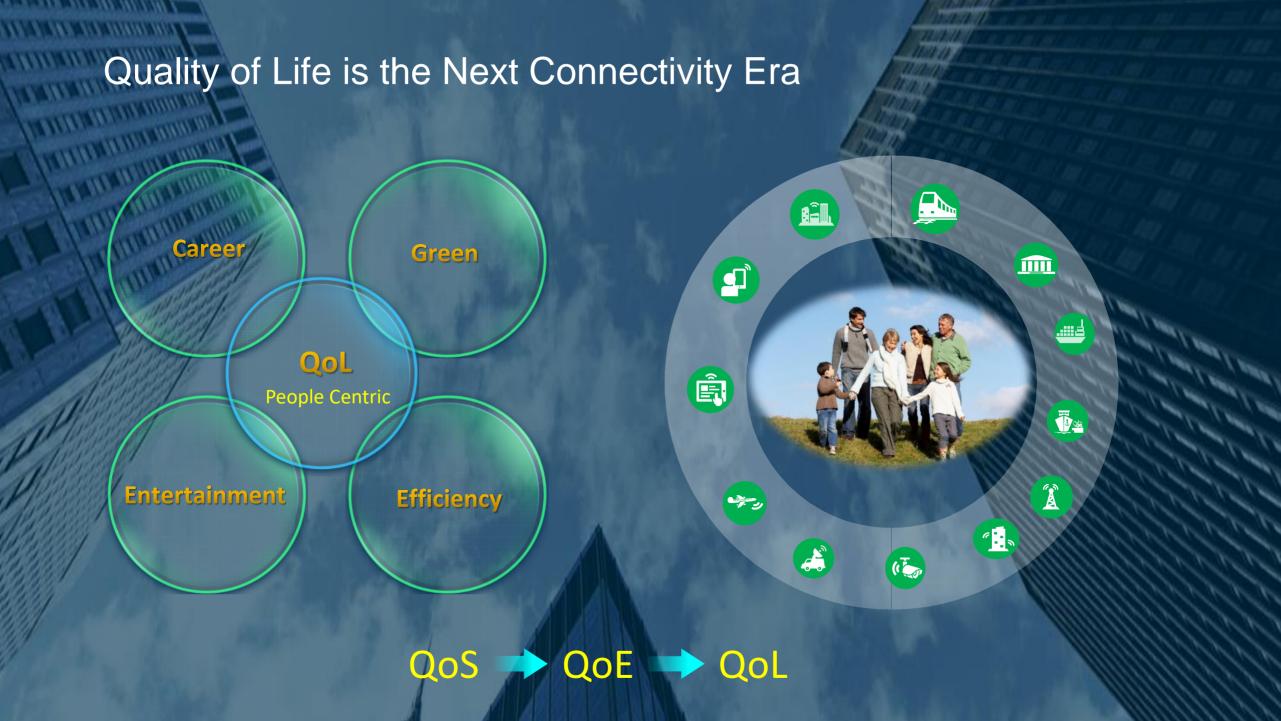
Smart Water



-40% clean water loss due to leaks, pipe bursts









# Join us in building a better connected world

