# Assessment and tech trends for IoT enabled smart cities

- Omar Elloumi, Nokia, oneM2M Technical Plenary chair, AIOTI SB member
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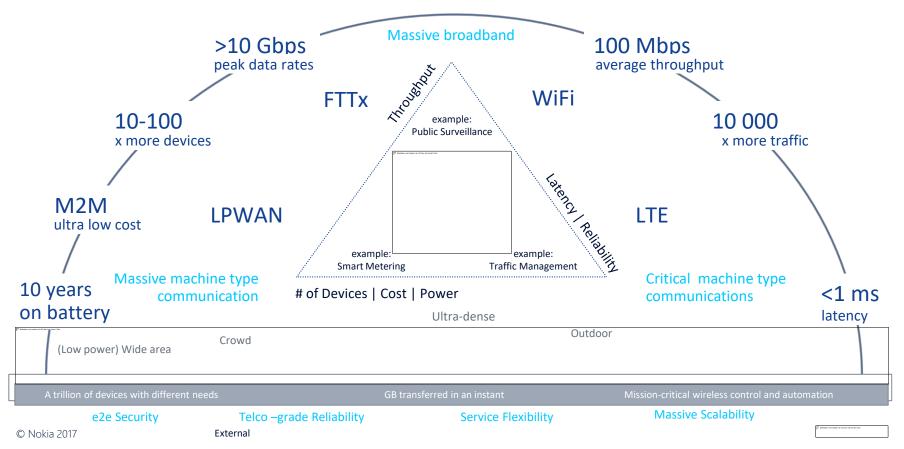
## Assessment of Smart Cities deployments (based on AIOTI WG08 findings)

- Connectivity, plenty to chose from...
  - But manageability could become a challenge
- Open data already happening: Traffic, parking, number of people in a geographical region, library occupancy, etc.
- Operational city funded projects remain vertically integrated and justified by short term Rol (e.g. street light) or very specific needs
- Horizontal platform and cross vertical data exchange remain limited to pilots or policy funded projects
- Vendor/platform lock-in remains a key concern



### Telecom infrastructure: multiple type of connectivity technologies are needed

Diversity and scale of Smart City use cases poses unique and contradictory challenges on the network



#### 3 trends for 2018

# <u>Cross domain/application</u> use cases

- Identification of commercially viable cross domain and cross applications use cases will raise awareness and drive the need for horizontalization (not a single platform)
- Replication guidelines leveraging ongoing pilots

# Platform to platform interoperability

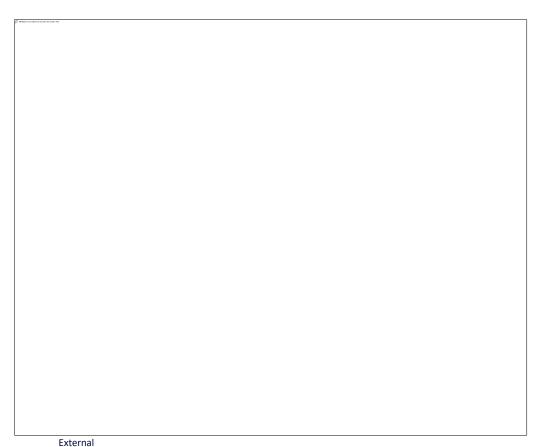
- Platforms will ultimately need to exchange data
- Requirements are under development, e.g. H2020 Symbiote and Inter-IoT
- Need industry convergence to ensure success

#### Streams processing

- Video analytics for data driven public safety as a key driver
- Distributed cloud approach
- Value: faster response to emergencies, improved decision making, increased operational efficiency, efficient asset management



# Data driven public safety use cases (source IDC 2017)



#### Stream processing example: real-time city dashboard with alerts, from any sensor

Get relevant information, when needed For more info: https://www.worldwidestreams.io/

