

Overcoming barriers in the emerging smart city market: the SynchroniCity approach

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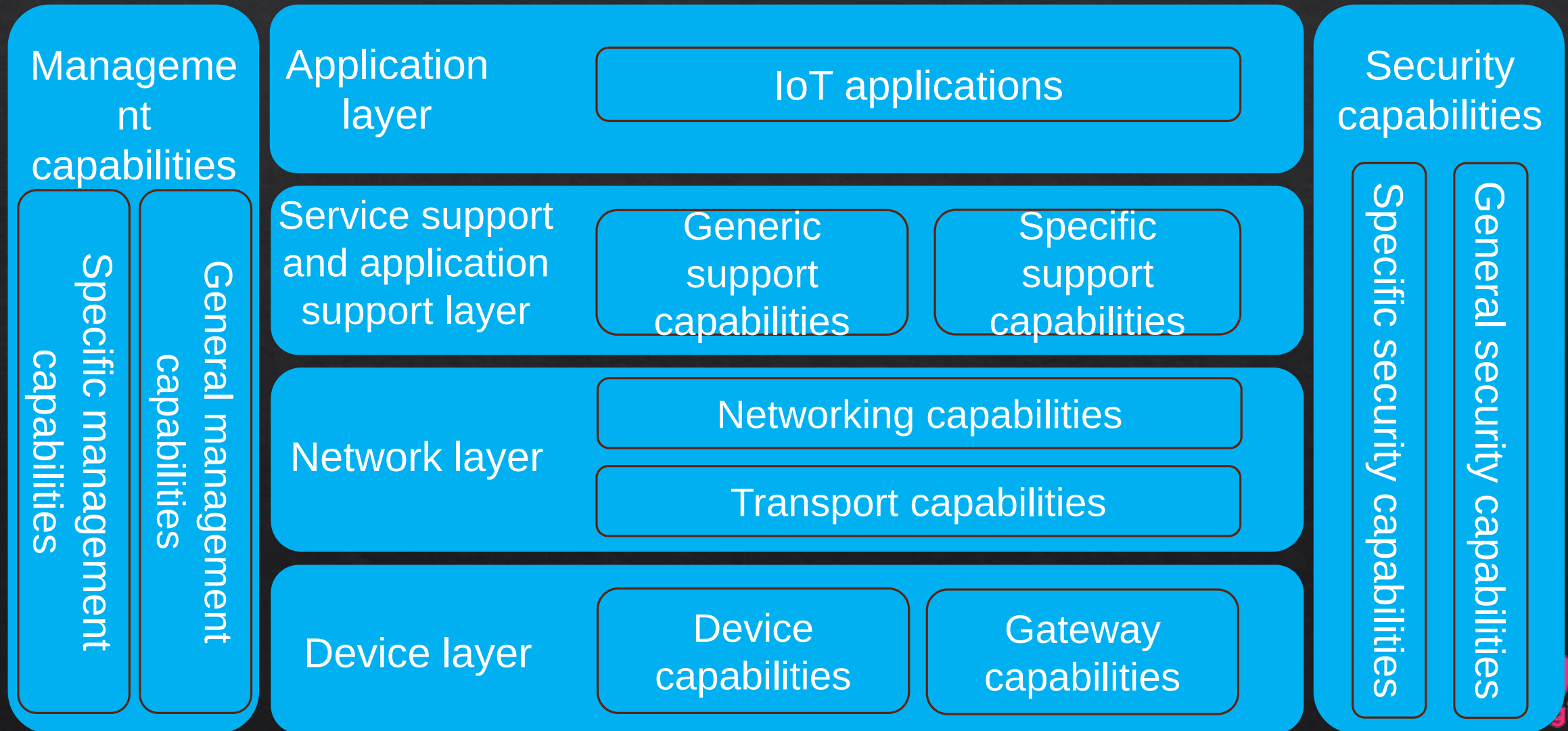
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Internet of Things
(IoT) is the
underpinning digital
layer of smart city

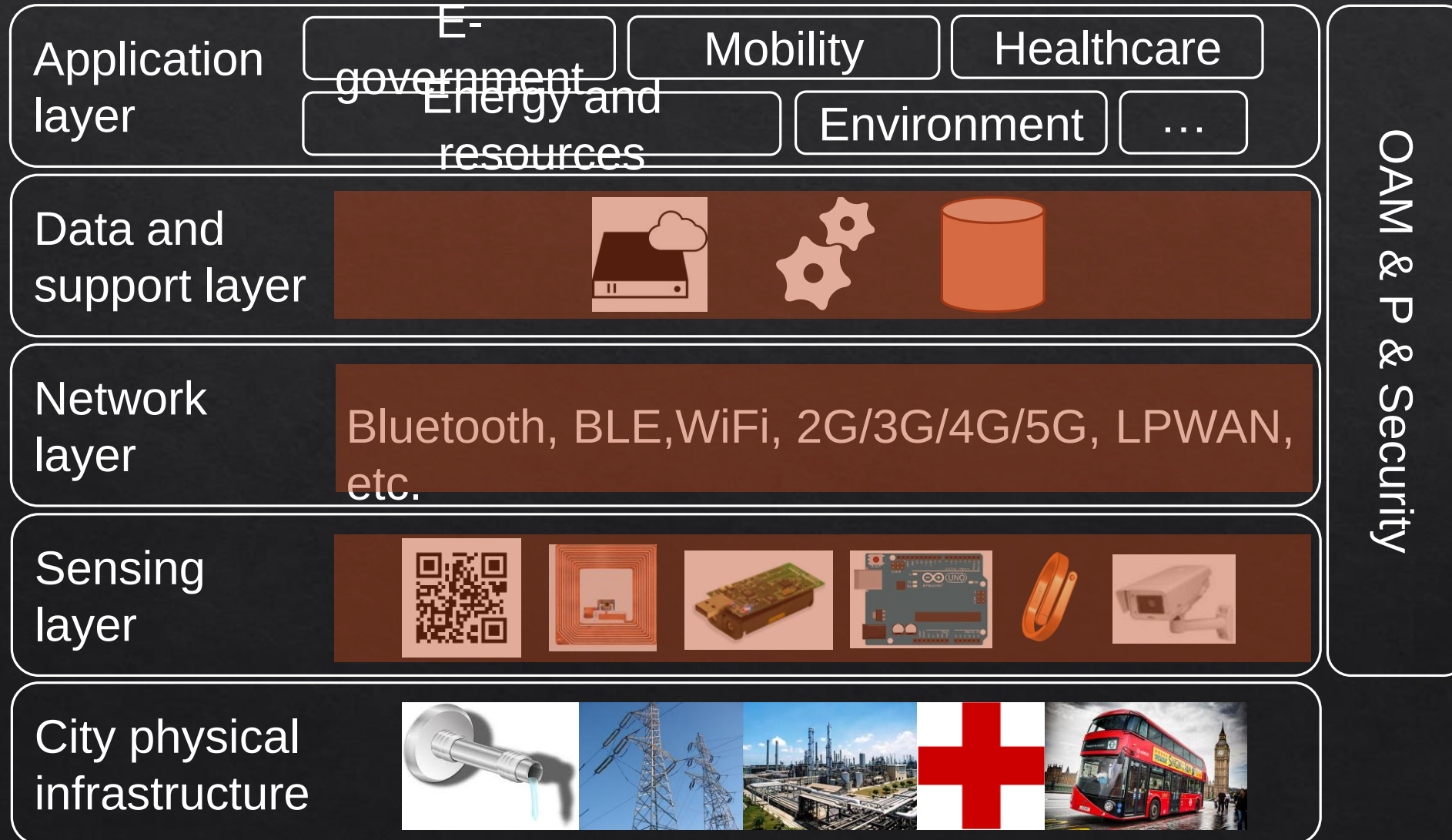
◊ Awareness of real-world
services processes to drive efficient
decision making



ITU-T IoT reference model – *source ITU-T Y.2060, 2012*



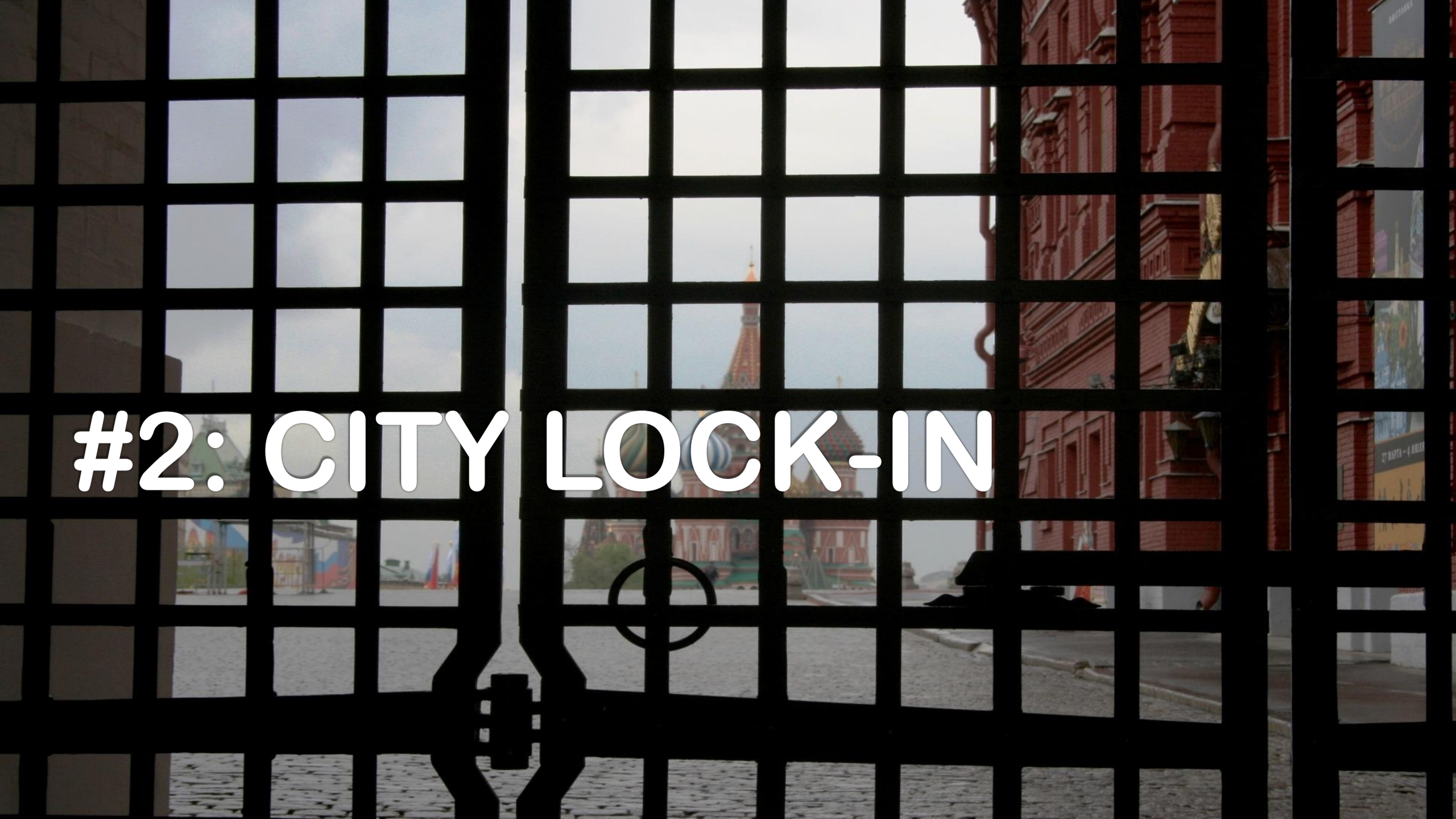
Typical smart city architecture – *adapted from ITU-T FG on SSC*





#1: VENDOR LOCK-IN

#2: CITY LOCK-IN

A large black metal gate with a grid pattern, partially open, revealing a city street. The gate has a circular handle and a lock mechanism. Through the gate, a city street is visible, featuring red brick buildings and a church with a colorful onion dome. The text "#2: CITY LOCK-IN" is overlaid in white.



#3: SHARING MORE THAN JUST OPEN DATA

SynchroniCity project



◆ 39 Partners

- 11 Cities - 7 EU, 1 Swiss, 1 Mexican, 1 US, 1 South Korean
- SMEs, academic partners, big vendors (ATOS, Engineering, Philips)

◆ €15 Mio funding

- €3 Mio for open calls

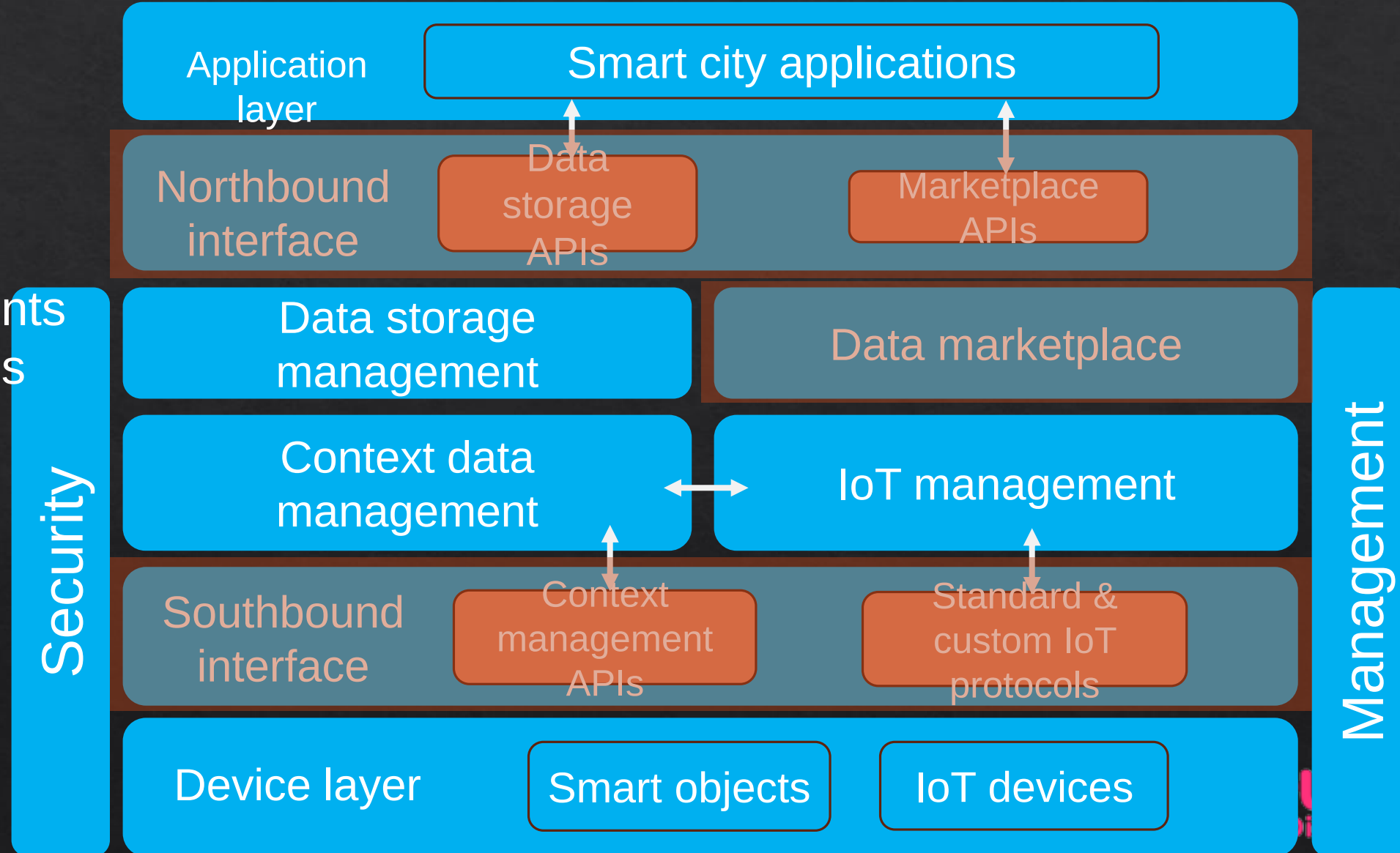
◆ Coordinator

- Martin Brynskov (Aarhus University)

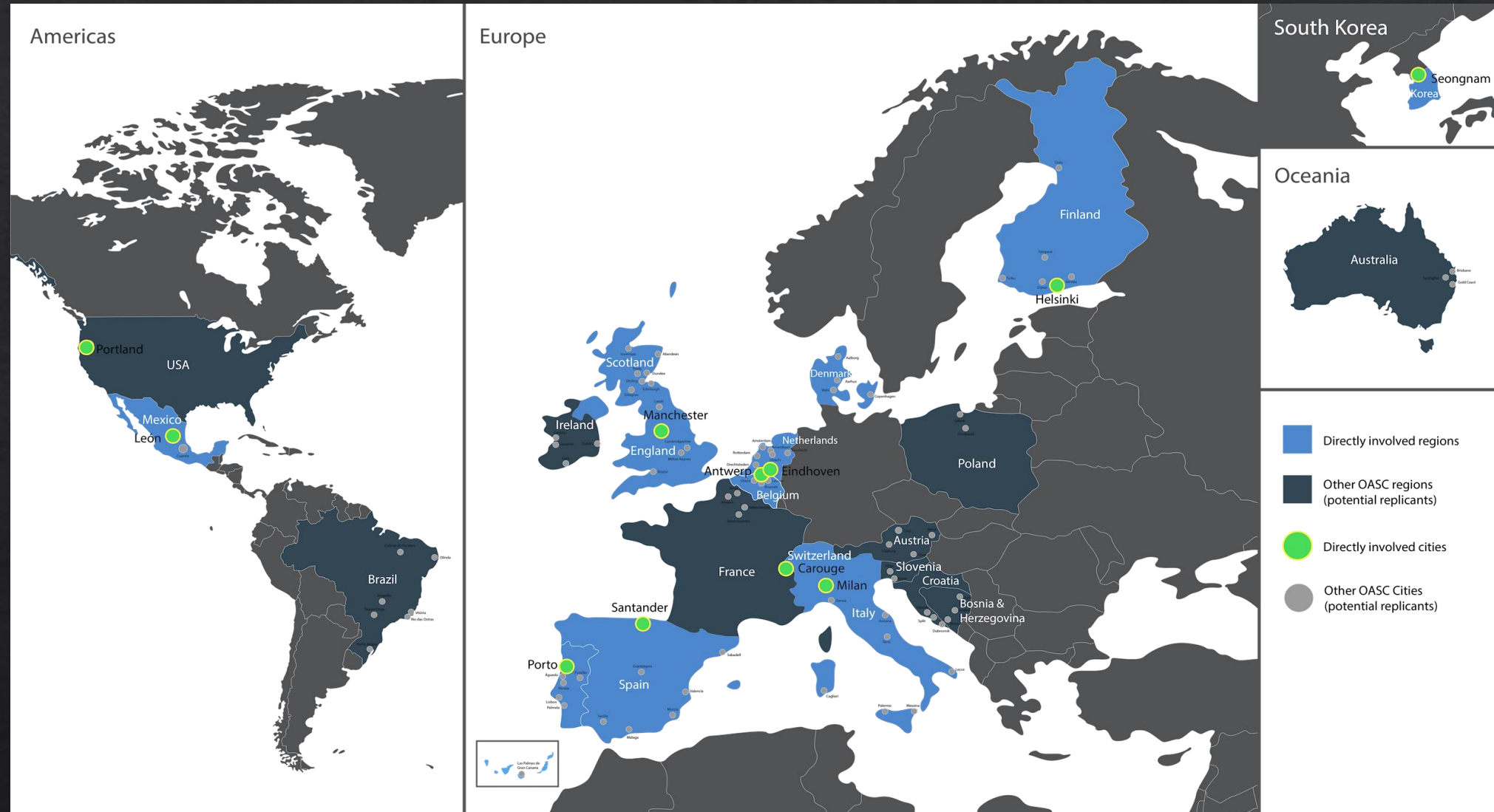
“Synchronize” existing IoT-enabled smart city ecosystems by
removing the barriers of fragmentation

SynchroniCity approach

- Standardized reference architecture
- Identify interoperability points
- Define data models and APIs
- Instantiate marketplace enablers
- Reference implementation with suitable technologies



Pilots in reference zones across 8 European cities



Thank you!

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