

oneM2M Partnership Project



Founded in 2012 after 3 years of separate work within the partners

Over 200 member organizations
actively involved
in oneM2M



40+ Specifications publicly available on www.onem2m.org

Open source and commercial implementations available from 30+ companies



oneM2M Partnership Project



Some of the 200+ active members of oneM2M



Purpose and value

Purpose

To specify a standard for a **Common M2M Service Layer**

Value #1

Provides the common IoT functions to applications so that they can focus on their own application logic

Value #2

Bridges systems from different vertical industries (lighting, energy, security, fleet, environment...) while allowing each system to use its own semantic

Value #3

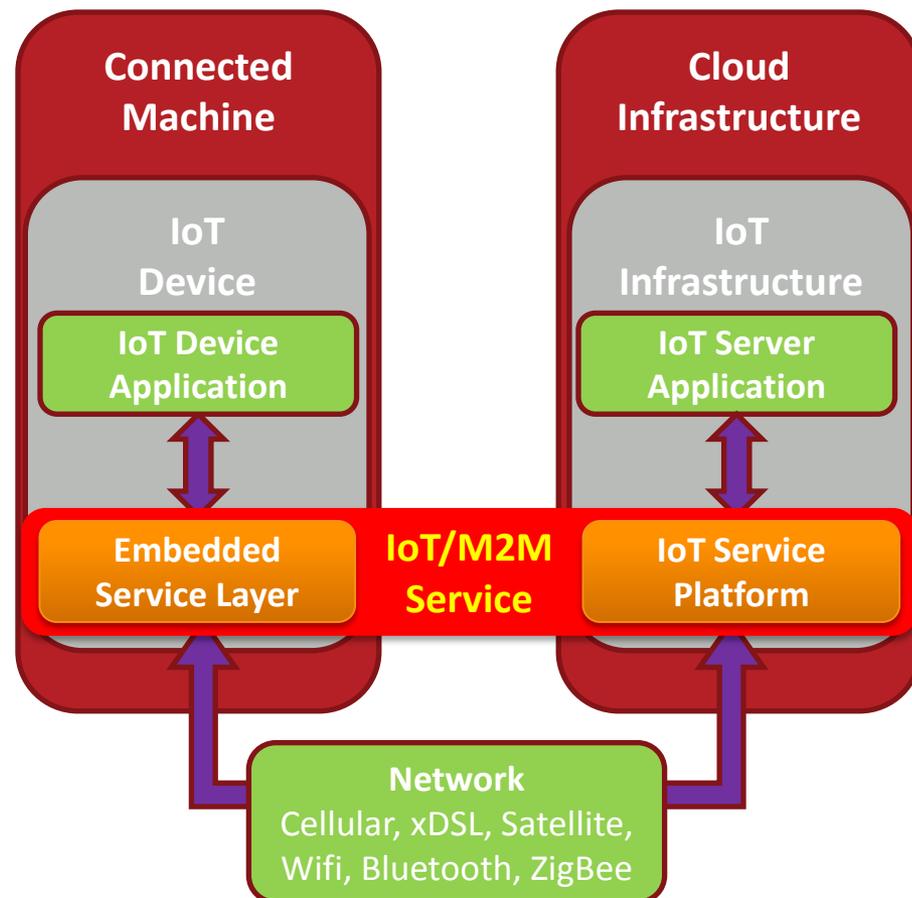
Works with any communication technology (Cellular, xDSL, Satellite, Wifi, Bluetooth, ZigBee...)

Value #4

Hides the network complexity from the applications while using these networks in the best way

Value #5

Interworks with virtually every other IoT technology thanks to its interworking framework



oneM2M Interworking



Guidelines



active collaborations



uses



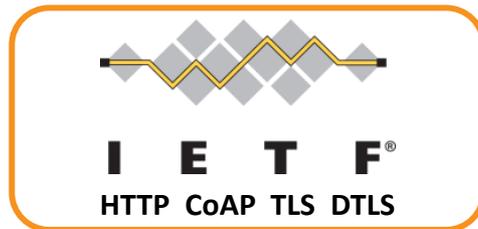
interworks with



uses



interworks with



uses



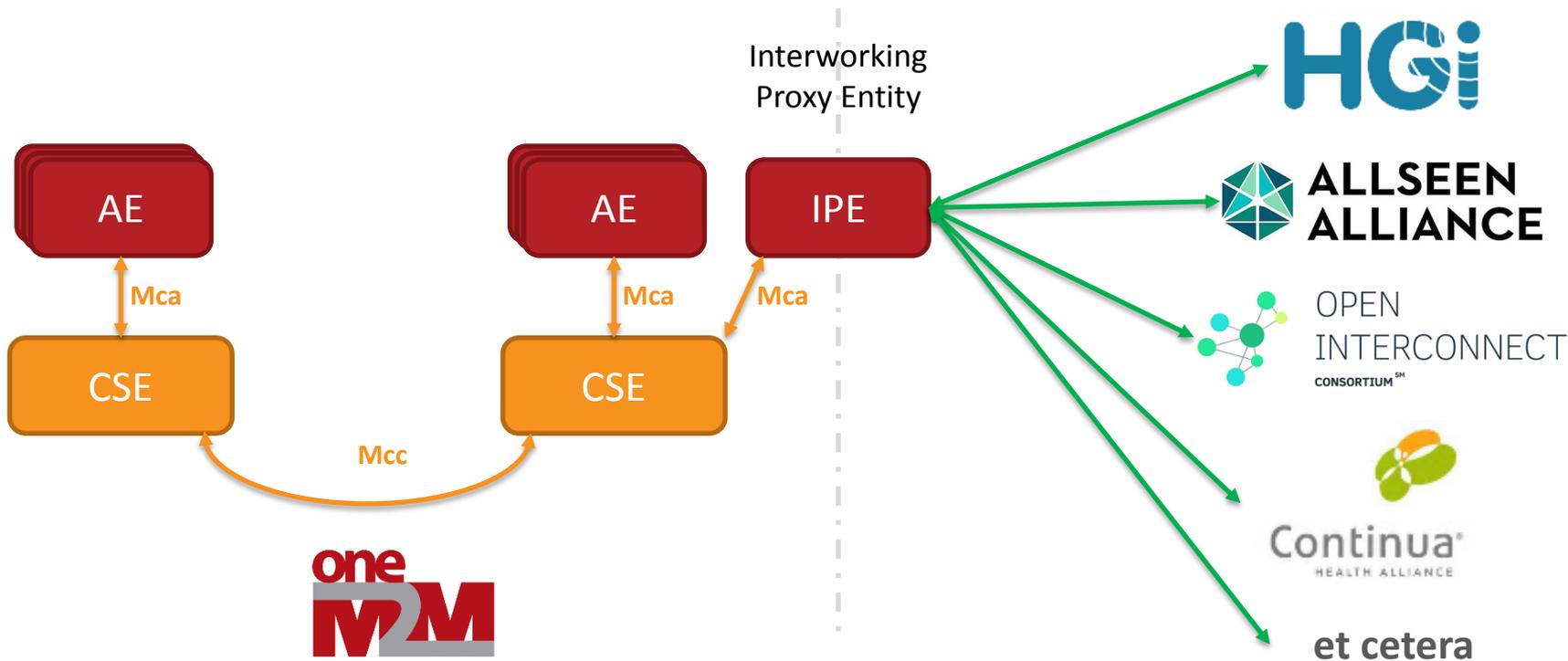
interworks with



Protocols

Full platforms

oneM2M Interworking



Why Lighting

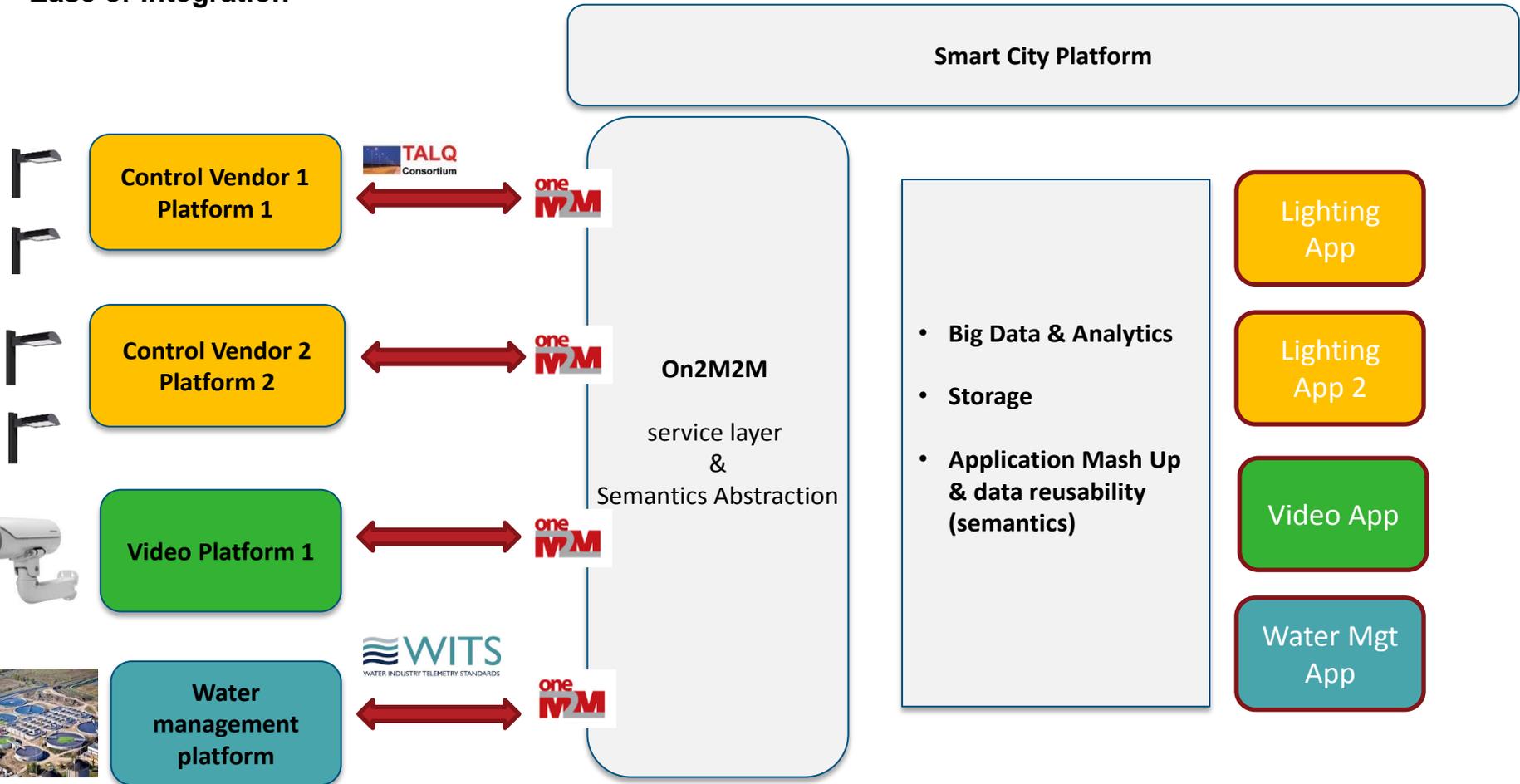


- At the center of services convergence in the city
- Light pole can serve multiple purpose as seen in early trials and test beds
 - Wifi broadcast, gun detection, air pollution sensors, audio broadcast, public safety alerts etc
- Multiple networks can be available be it mesh zigbee, wifi or cellular point to point.
- OneM2M can ease integration of those services and optimize smart cities deployments (efficient use of networks, abstraction, etc)
- Lighting use case defined in onem2m already as part of public services, test beds done as well

Smart City in Action



- Enable scalable Smart City platform to support multiple vendor , protocol and industry standards
- Uniform service layer across range of applications, semantic abstraction, interoperability
- Ease of integration



Why Open Standards Matter



- Improved **Functionality – Cost – Quality** tradeoffs
- Enable integrated services **across** domains
- Ensure **Scalability** of your systems and avoid the niche trap
- Add **Flexibility** by not locking yourself to proprietary technologies
- More **partnering choices** and **opportunities** for M2M/IOT industry stakeholders
- Enhanced **experience** through security, interoperability, device management and interaction with underlying networks

