



# The oneM2M Platform as an enabler for telecom operators

Group Name: <targeted audience>

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Agenda Item: <agenda item topic name>

# Deployment history

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- Legacy Platform since 2008
  - Legacy Protocol(TCP based)
- ETSI TC M2M based M2M Platform
  - Commercialized in 2012(Open M2M Platform)
  - REST API open to public
- oneM2M based IoT Platform
  - Developed from 2012 to 2014

# Open M2M Platform

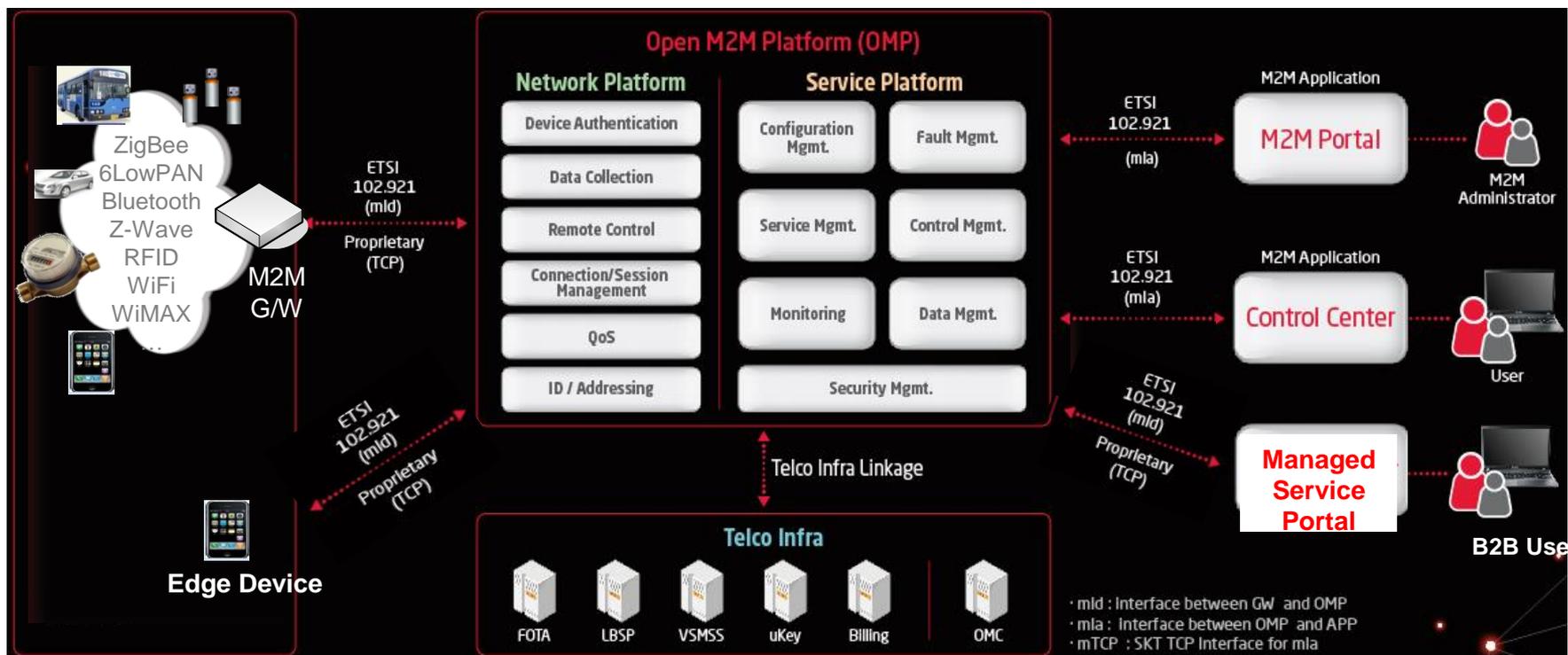
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- Started for B2G & B2B biz(2012)
- Supporting CDMA/WCDMA/LTE & Wi-Fi NW
- Testing Env, SDK for device & app
- Services
  - Criminal Tracking(B2G)
  - T-Car, Public Bus mgmt
  - Senior Citizen Care Service(B2G)
  - Weather forecasting Service(B2G), etc.

# Open M2M Platform

## Connectivity b/w M2M Terminal & P/F

## M2M common service components



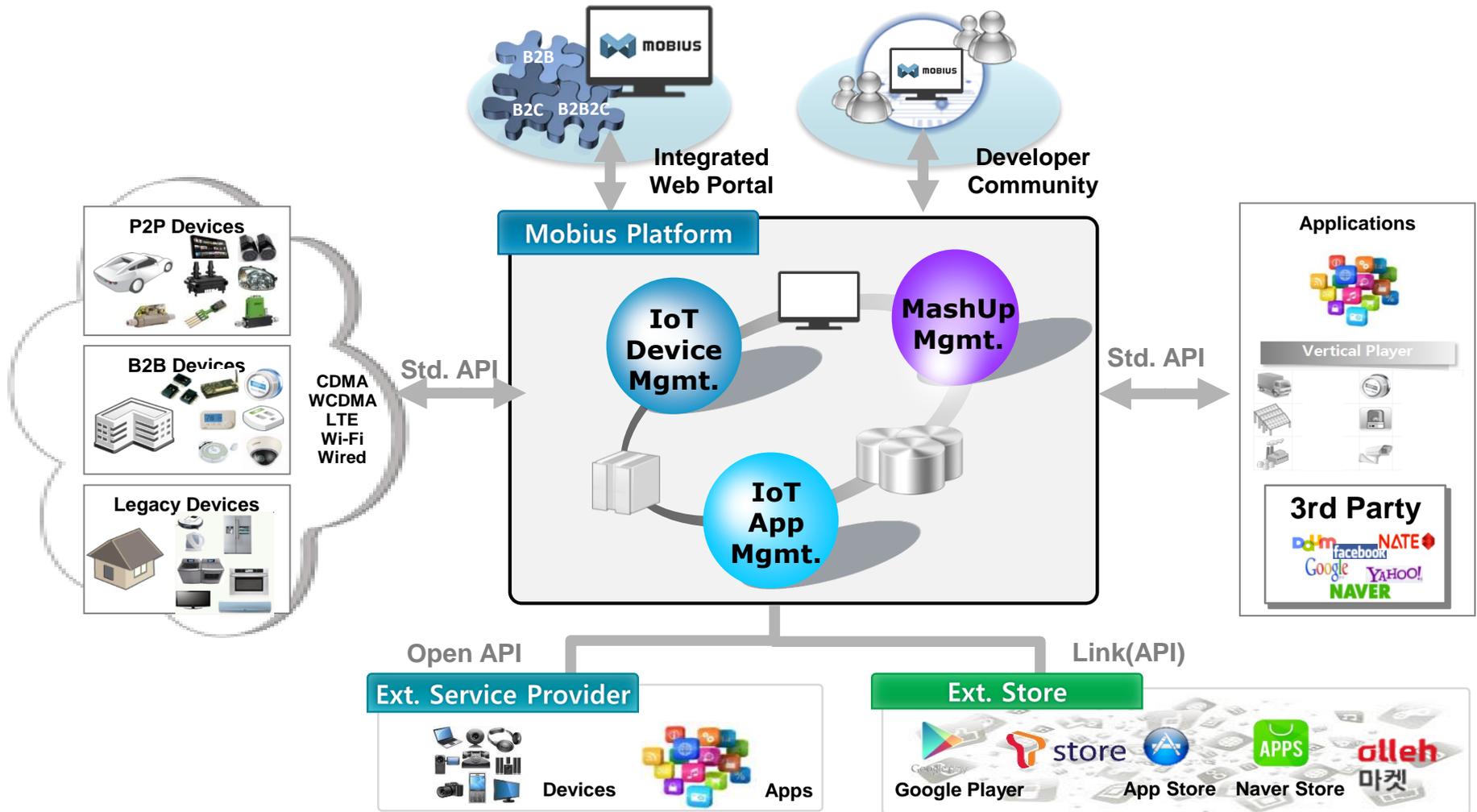
# oneM2M based IoT Platform

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- Mainly focused B2C biz(from 2012)
- Supporting CDMA/WCDMA/LTE & Wi-Fi NW
- Currently developing
  - Release candidate 1 & CR
- Platform components
  - Device Mgmt. & Searching
  - Mashup API
  - App-store

# oneM2M based IoT Platform



# Benefits using oneM2M Spec.

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- Simple(Flat) resource model
- Short/definite API length
  - ETSI TC M2M : Scl-base/scls/<scl>/attachedDevices/  
<attachedDevice>/containers/<container>/  
contentInstances/<contentInstance>
  - oneM2M <CSEBase-ID>/<remoteCSE-ID>/  
<Container-Name>/<contentInstance-ID>
- Globally unique identifier(not yet)
- Proper for B2C business(experience)

# Issues

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- Security(not completed)
  - If IPv6
- Scoping & Filtering for Service
  - Massive operation
- More Protocol Binding

# Future plan

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- Commercializing IoT Platform on 2015
- Integrating two platform within 2015
  - ETSI TC M2M based Platform for B2B & B2G
  - oneM2M based Platform for B2C
- Planning IoT market-place for building ecosystem