oneM2M Smart Cities in Korea

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Busan – Global Smart City





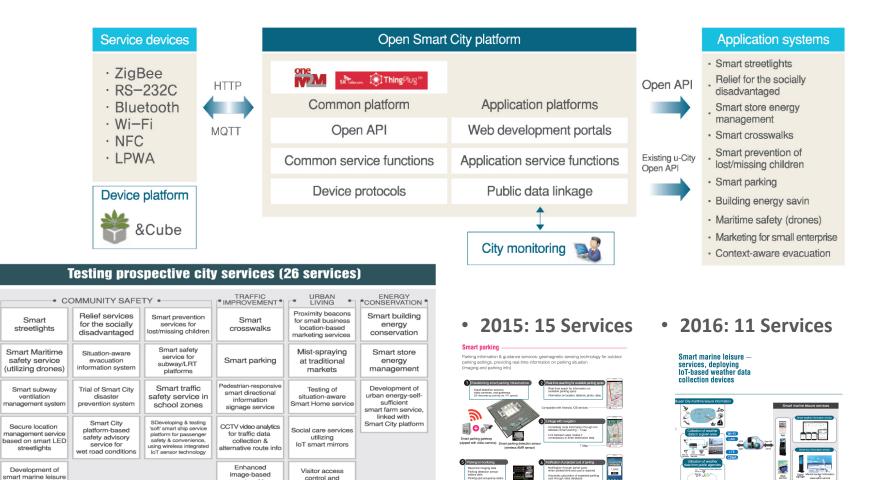
- Type: Pilot Project
- Duration: '15.01 ~ '17.12
- Testbed: Haewoondae-gu (district)
- Coordinator: SK Telecom



http://www.k-smartcity.kr/ http://data.k-smartcity.kr/



Busan – Global Smart City



ONNENTER DATA

services deploying

IoT-based weather data collection devices control and

monitoring system

smart parking

service

Busan – Smart City Services

- New services in 2017
 - Traffic information from CCTV
 - Traffic flow improvement based on traffic collection and analysis
 - Pedestrian safety on crosswalk
 - Parking and re-charging for EV (Electric Vehicle)
 - Smart tourism
- Extended pilot services in 2018 and 2019
 - pilots are coordinated by BIPA (Busan IT Industry Promotion Agency)
 - new services have been tested for SME's commercial service development
 - Care solution for safe child education service
 - Smart balance work-out service with motion detection devices
 - oneM2M-based smart city platform has been used for SME training also



Daegu – Suseong Alpha City





- Type: Pilot Project
- Duration: '18.04 ~ '18.12
- Testbed: Suseong-gu (district)
- Coordinator: SK Telecom

Smart City 플랫폼 특장점



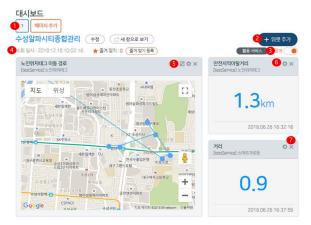
https://daegusmartcity.kr/

https://dev.daegusmartcity.kr/



Daegu – Suseong Alpha City

- Services
 - Intelligent safe pedestrian service
 - Unmanned parking management service (e.g. illegal parking)
 - Etc.
- Developer supports on portal
 - Device registration
 - Service registration
 - Custom dashboards with configurable widgets



< smart city dashboard >



Goyang – IoT Convergence Smart City





- Type: Pilot Project
- Duration: '16.01 ~ '17.12
- Coordinator: LG U+
- Environment-friendly Smart City Services



https://www.smartcitygoyang.kr/

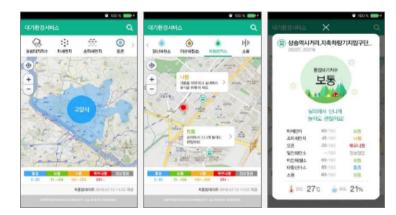
Goyang – Smart City Services

- Pilot services
 - Smart Eco City services
 - Air Quality Management
 - Open Public Data
 - Smart Street Light
 - Smart Parking





<Smart ECO City service>



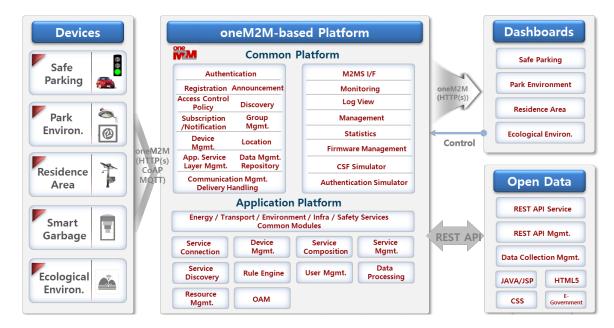
<Air Quality Management>



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Yongin – Mosquito Monitoring System

- Type: Commercial Deployment
 - Commercial Deployment verified from Goyang Smart City
 - Deployment covers 3 districts in Yonging city
- Platform Provider: N2M

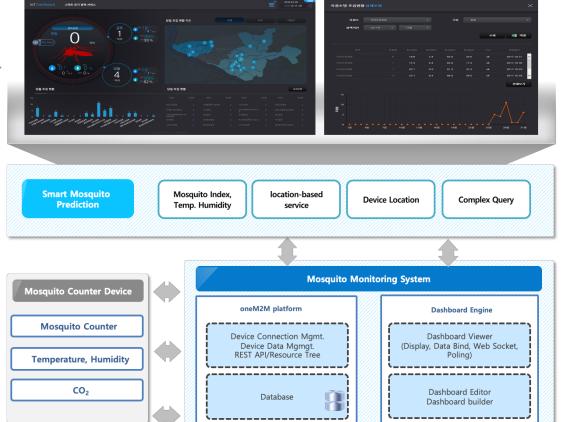






Yongin – Mosquito Monitoring System

- Mosquito Monitoring
 - Collects the number of mosquito with environment data from mosquito counter
 - Predicts with machine learning would be followed





<Digital Mosquito Counter>



THANK YOU

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