

IoT Week 2019, Aarhus

Korean SynchroniCity Consortium and Seongnam City

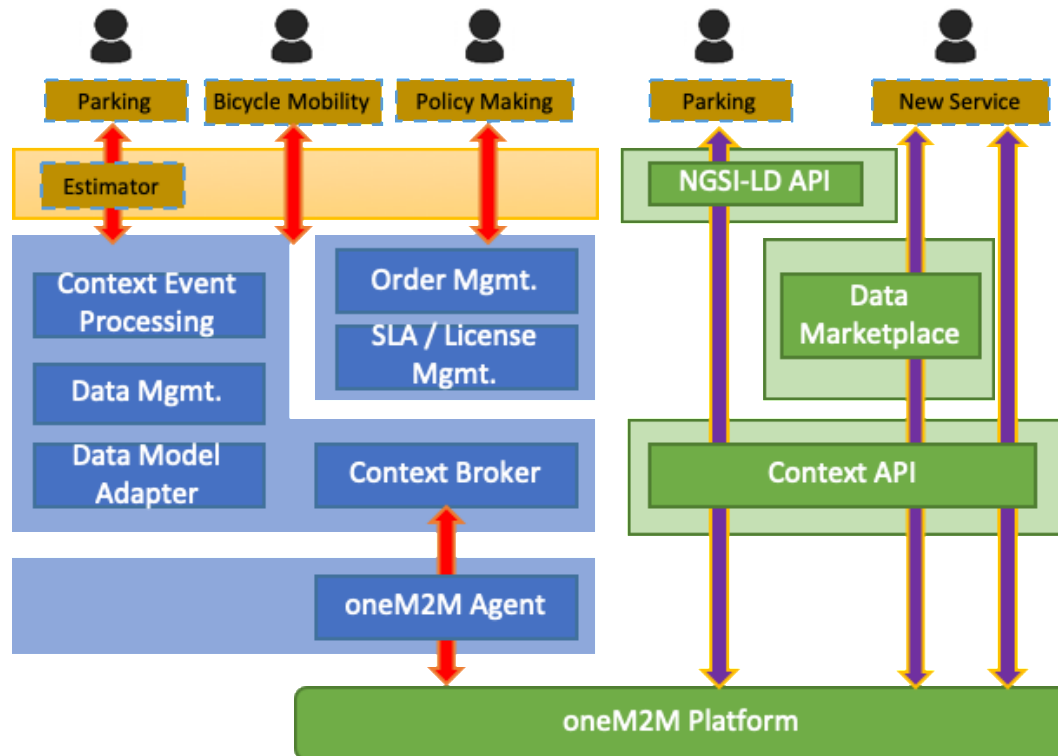
2019.06.19

ULIKE

Danny Jung

SynchroniCity Korean Consortium

- Tech provider KETI, service provider ULIKE and city as SNIP ('18.11 ~ '20.10, 3 yrs)
- Deploy SynchroniCity framework in Korea, while
 - ▶ extending it with oneM2M international IoT standard (i.e. ITU-T Y.4500),
 - ▶ adopting main components on top of oneM2M platform,
 - ▶ and, of course, proving it with smart city services

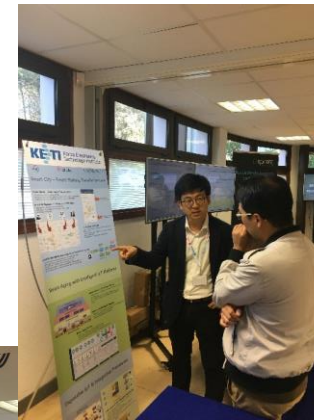
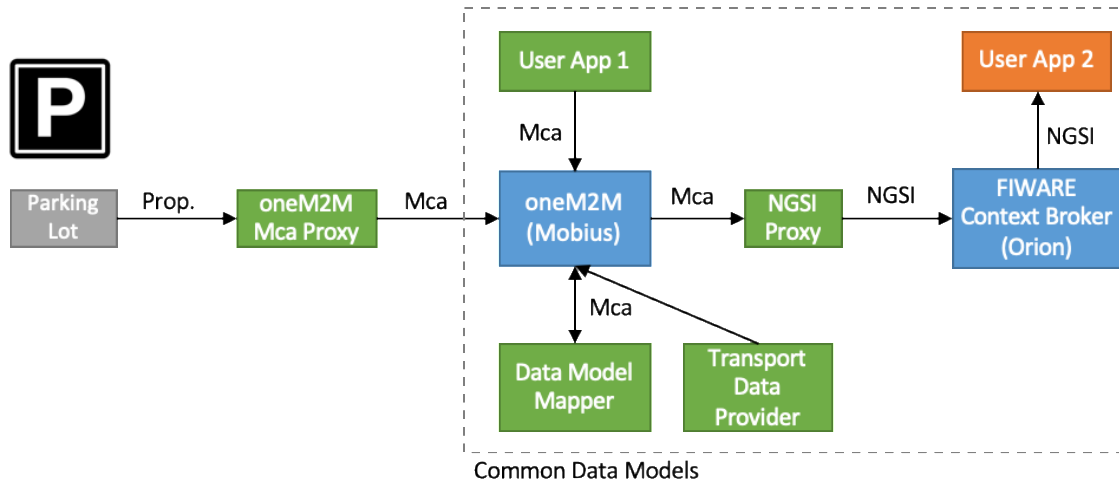


Architecture for KOR Consortium

What We Did in the 1st year

oneM2M to SynchroniCity interworking and common data models

- Commuter parking service application deployed for Yatap area
 - demonstrated at ETSI IoT Week 2018,
 - hold a meetup inviting SMEs and research institutes



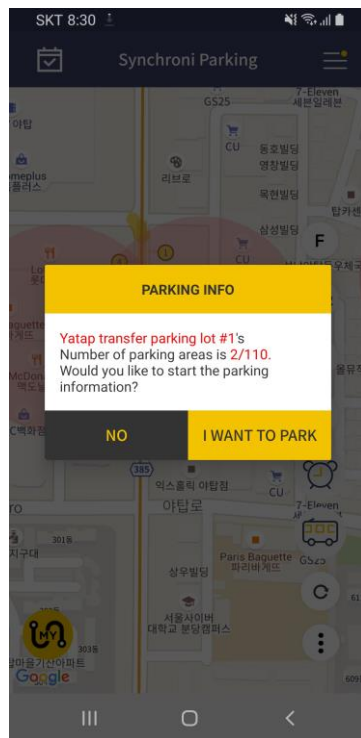

Main objectives for the 2nd year

A user-perspective KPI to show how our system and app really helps citizens

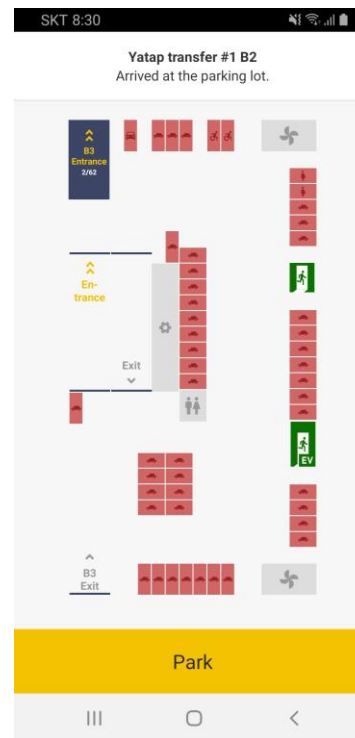
- **User gets availability per parking spot, we measure time spent for parking**
 - ▶ get data from the first deployment in Yatap area
 - ▶ preparing a new testbed in KETI HQ for different data sets (e.g. real-time congestion)



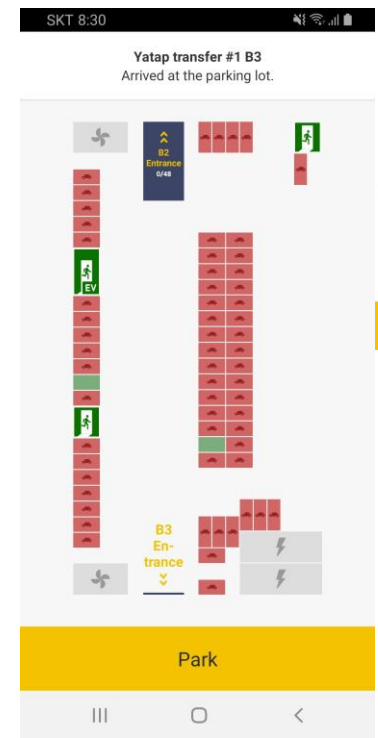
Show availability of parking lots nearby or per My Route



Geofencing or Beacons triggers to show preferred parking lot info



Show the first level (B2) parking status per parking spots
* off street parking lot is located in a building







Show B3 level parking status when the user requests

Main objectives for the 2nd year

Data marketplace on top of oneM2M platform



Total	Total	Total	10
 <p>Yatap Station Subway You can check the subway information for Yatap Station Bundang Line.</p> <p>v 1.0.0 2019.06.14</p> <p>👁 13 Free</p>	 <p>Yatap Station Bus Station You can check the information of the bus stop at Yatap Station.</p> <p>v 1.0.0 2019.06.14</p> <p>👁 4 Free</p>	 <p>Seongnam Intercity Bus You can find out about intercity buses departing from Seongnam Bus Terminal.</p> <p>v 1.0.0 2019.06.14</p> <p>👁 5 Free</p>	 <p>Yatap Station City Bus You can check the information of the city bus that passes through Yatap Station.</p> <p>v 1.0.0 2019.06.14</p> <p>👁 0 Free</p>

Thank you!

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