Smart Building Lab

Part 3: Beacons

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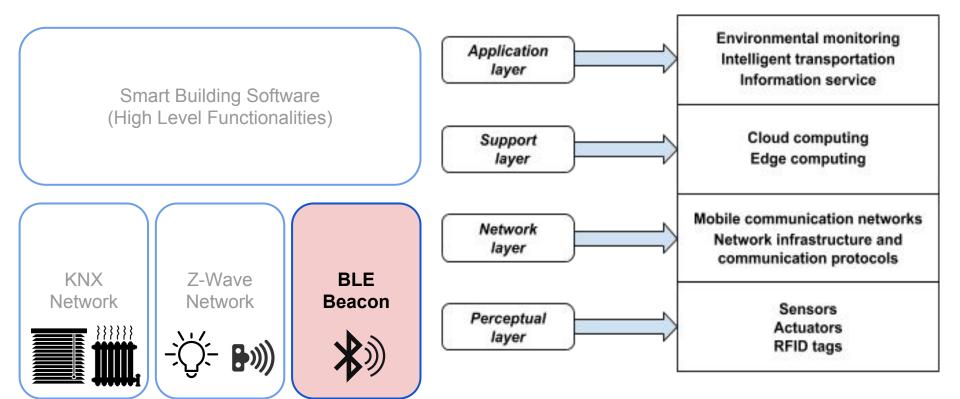
L'avenir est à créer

h e p i a

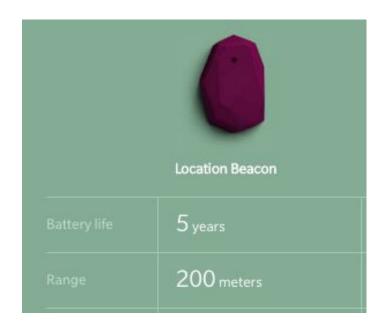
Haute école du paysage, d'ingénierie et d'architecture de Genève

Lab 1 : Smart Building









http://estimote.com/

Broadcast packets containing Beacon ID



- Beacon ID (20 bytes):
 - UUID (16 bytes)
 - major number (2 bytes)
 - o minor number (2 bytes)



Uses cases

- Indoor positioning



Haute école du paysage, d'ingénierie et d'architecture de Genève

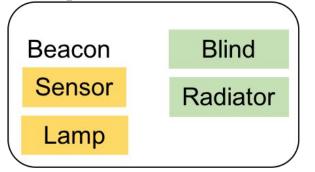
Beacons



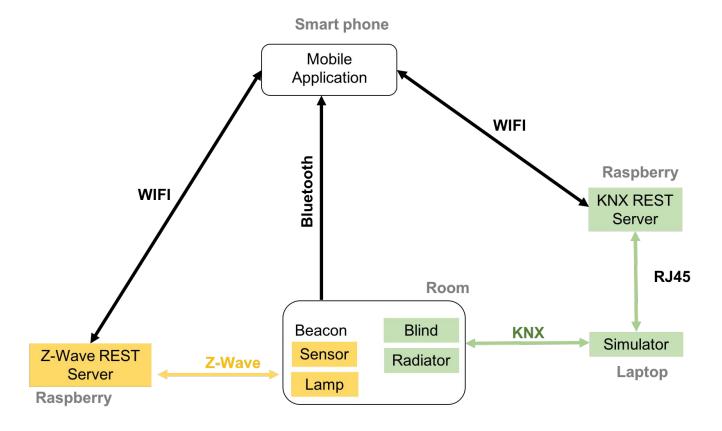


Beacon
Sensor
Radiator
Lamp

Virtual Room 2



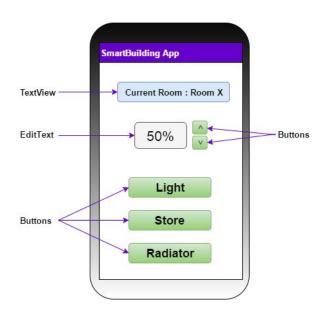






Template of mobile application:

git clone https://githepia.hesge.ch/lsds/BeaconsApp.git



You should add:

- Indoor location using the "Estimote SDK"
- Command the stores, radiators and lights using the KNX / Z-Wave REST servers