



Using IoT to guide tourism

Arne, Axel and Joris

The concept

- Hassle-free guided tourism experience
- Indoors: museums
 - Tour around the museum
 - Relevant info when close to things
- Outdoors: city tours
 - Provide location to guide tourists around
 - Relevant info when close to things

Techniques and technologies

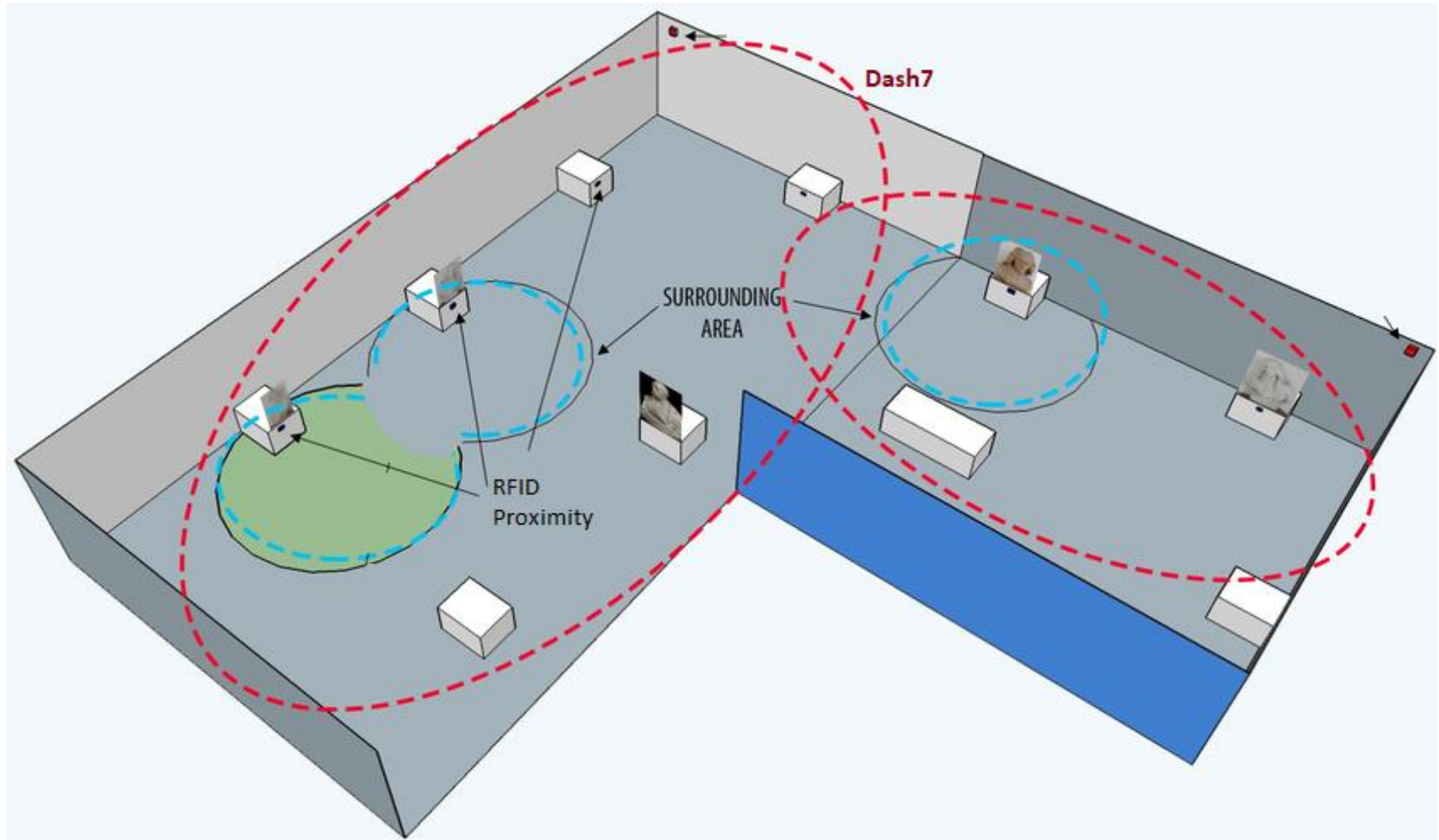
Indoor

- Fingerprinting localization using Dash7 to guide around museum
- Accelerometer decides when deep sleep is possible
- Dash7 to transmit accelerometer data
- [OPT] Passive RFID => proximity detection for POI's

Outdoor

- GPS for accurate location
- LoRaWAN to transmit location data

Indoor overview



Dataflow

