

IoT in DoT Building for Monitoring Resources Consumption

Outline

- System architecture
- Hardware
- Software Architecture
- Example Data

Components of the Solution



Electrical Power Monitor

- Real time Power consumption monitoring based on floors.
- Report on hourly & daily basis.



Water Consumption Monitor

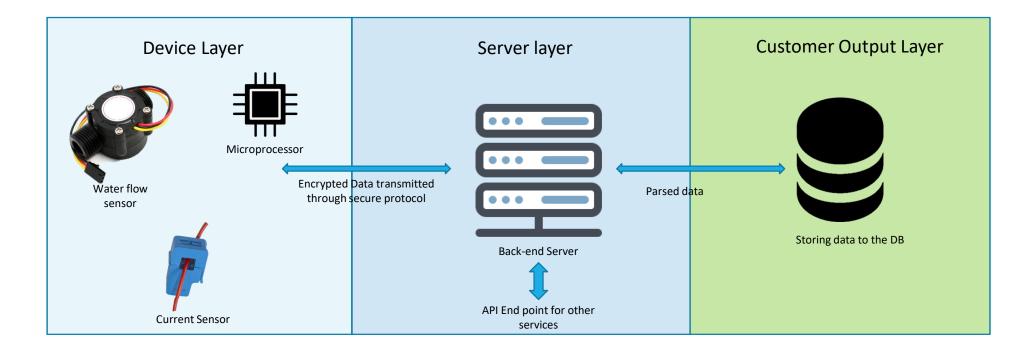
- Real time water consumption monitoring
- Report on hourly & daily basis.



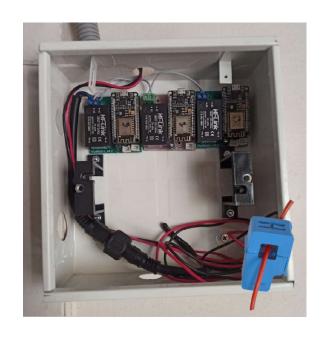
Motion Based Lighting System

- Autonomous Lights to operate only on low light & motion
- Save energy while no occupancy

System Architecture



Hardware Introduction



Power monitoring unit

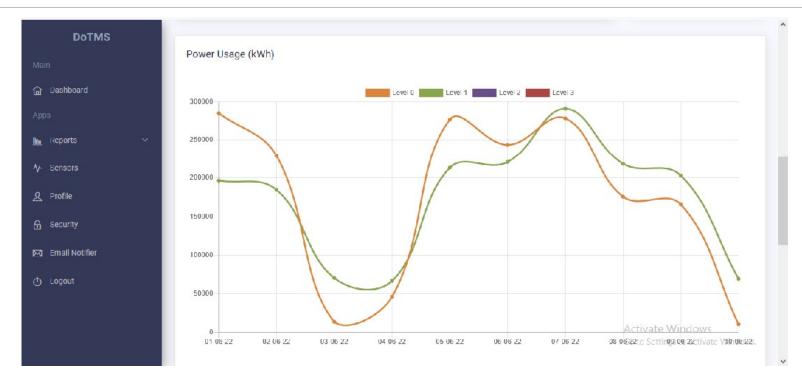


Water flow monitoring unit



Motion activated lighting

Management Page



Usages data page

