

# A Generalized Open Source Platform for Building Energy Management

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# Outline

1 Introduction

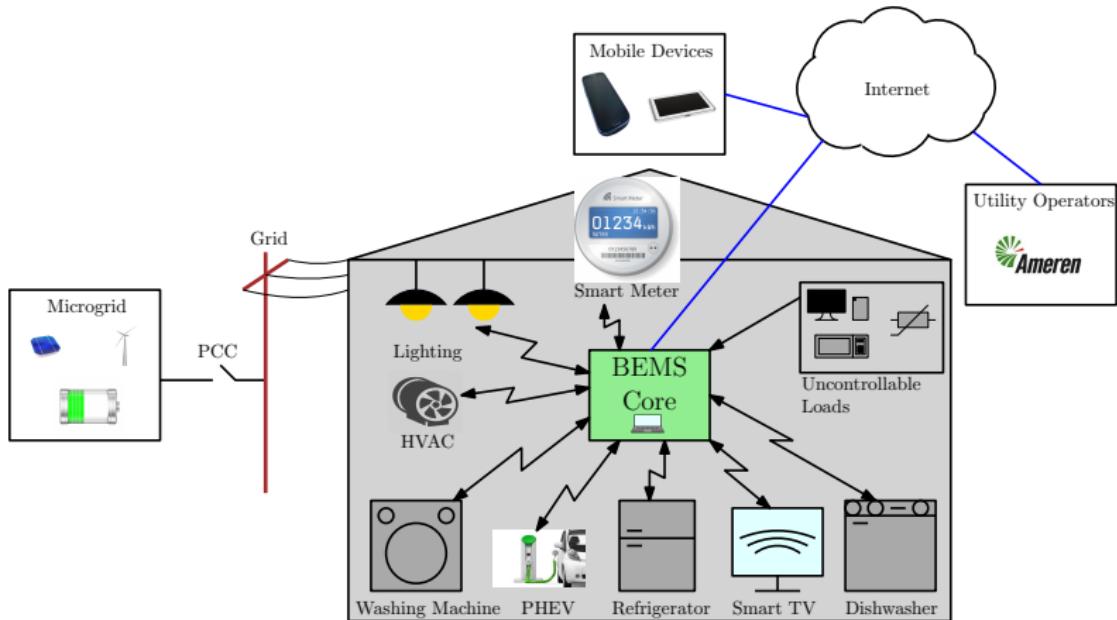
2 Progress

3 Nav bar

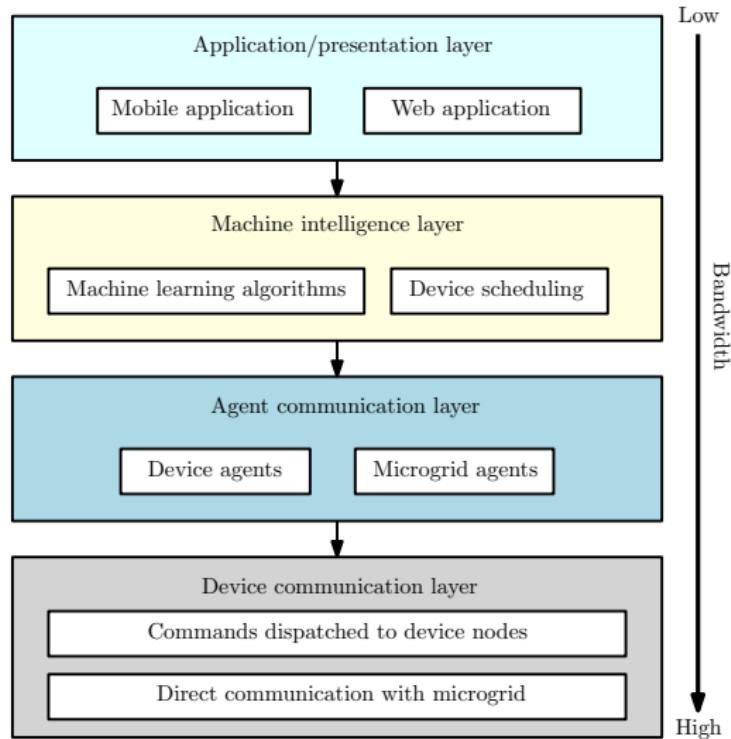
4 Agent subscriptions

5 Plans

# Introduction



# Introduction



# Progress

- Built top navigation bar with bootstrap
- Developed a way for agents to receive subscription messages from publishers with zmq

# Nav bar

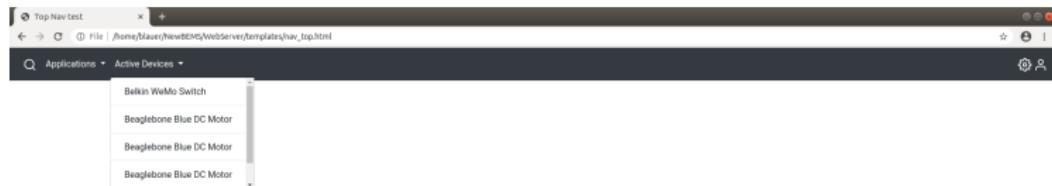


Figure: Navbar based off of examples at  
<https://getbootstrap.com/docs/4.4/components/navbar/>

# Agent subscriptions

- Utilized the `pymq` library to subscribe to messages sent by other processes in platform
- Plan on publishing messages from UI in view functions
- Messages are published with topic similar to name of agent
- Format 'topic method args'
- Python threading library to create new thread specifically for subscriptions
- Agent can be listening for messages at all times regardless of current activity

# Plans

- Create device API/driver for wemo switch
- Add support for device in UI