

# A Generalized Open Source Platform for Building Energy Management

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# Outline

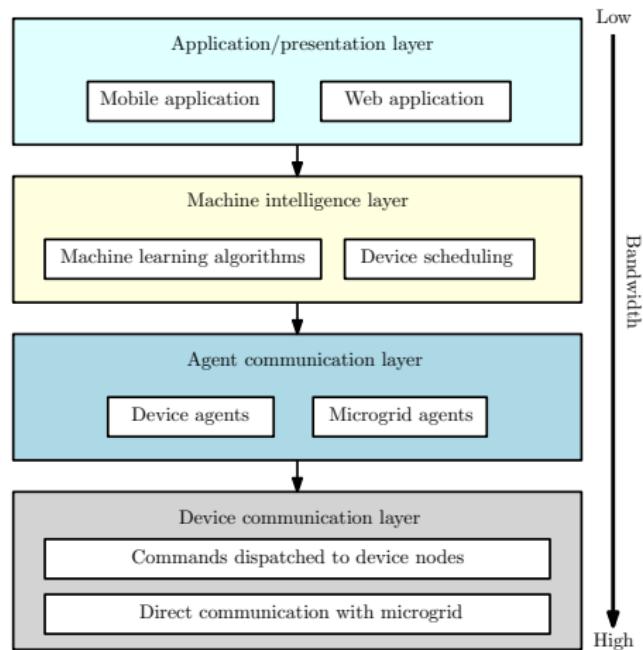
## 1 Introduction

## 2 Progress

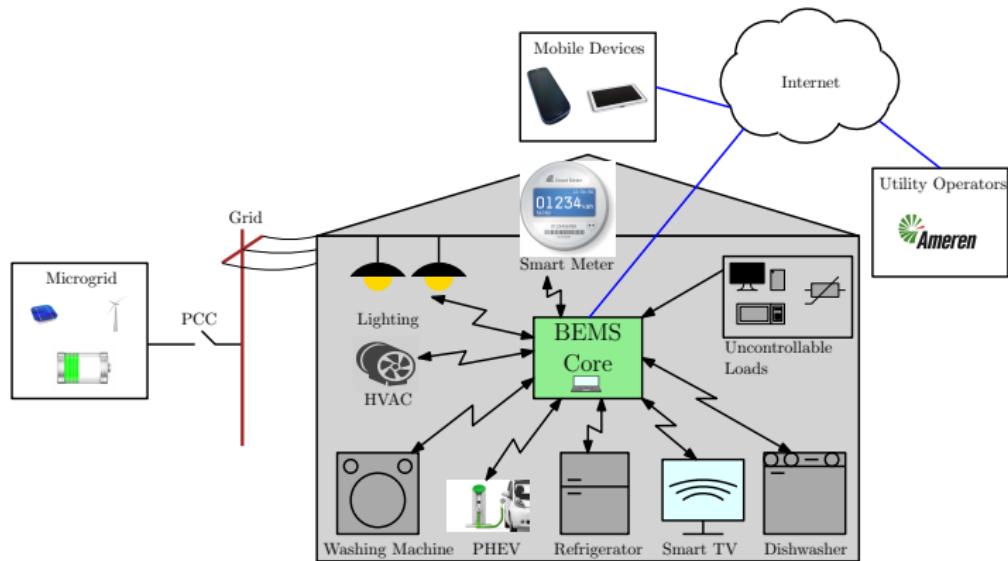
- Installation script
- Utilities module

## 3 Plans

# Introduction



## Introduction



# Progress

- Wrote an installation script with bash to fully automate installation of the software (`install.sh`)
- Created a global settings python file to make project directories visible from any python module
- Developed a utilities module for miscellaneous utility functions
- Moved repository over to BEMS-LauerMiah-GitHub

# Progress

## Installation script

- Assign the project directory variables
- Update Linux (`sudo apt-get update`)
- Install `python3-pip` `python3-venv` `xterm` `sqlite3`
- Delete the "venv" directory if it already exists
- Create a virtual environment name "venv"
- Activate the virtual environment
- Use the `requirements.txt` file to install all necessary dependencies
- Create a `directories.pth` file in the `site-packages` directory and add the directories to be added to the `PYTHONPATH` variable to the file
- Deactivate the virtual environment

# Progress

## Utilities module

- Contains a function for determining python version in format  
`python[major].[minor]`
- May add to it later as needed
- Could add a utility for connecting to databases to prevent boiler plate code from being written over and over again

# Plans

- Implement the modal popup on the discovery page
- Add devices to ActiveDevices database when discovered
- Build page for controlling the WeMo Switch