EcoMeter Deployment Manual

- **Prerequisites**
  - Technologies
    - Git
    - Linux
    - C++ 17 (and onwards)
    - Qt (include qmake and Charts module)
    - Intel 12th Gen Processor
  - Qt Installation (take Ubuntu for example)
    1. Update the package list by running the following command:

       ```
       sudo apt-get update
       ```

    2. Install the Qt development libraries by running the following command

       ```
       sudo apt-get install qt5-default
       ```

    3. Update the package list by running the following command:

       ```
       sudo apt-get install libqt5charts5 libqt5charts5-dev
       ```

    4. Verify the installation by running the following command:

       ```
       qmake -v
       ```

       This should display the version of qmake and the version of Qt being used.
  - System Permission

Unlock permissions for accessing the energy counter

```
sudo chmod 777 /sys/class/powercap/intel-rapl/intel-rapl:1/energy_uj
```

- Installation

```
git clone https://github.com/huang-wt/energy-monitor-app.git
cd energy-monitor-app
```

- Build and Run

```
mkdir build && cd build
qmake ..
make
./energy_monitor
```