

# Installed Smart-meter in Indonesia



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CITIES Workshop/Meeting  
UN-City, Copenhagen, september 2018

# Agenda

- ❑ Sensor Location
- ❑ Web Application
- ❑ Load Profile for Residential

## Meter Locations :

<http://www.weris.link/map.html>



### Dashboard for Every User

Green Hill (inactive)

Malalayang

### Dashboard for Every User

Malendeng

Ranomuut (inactive)

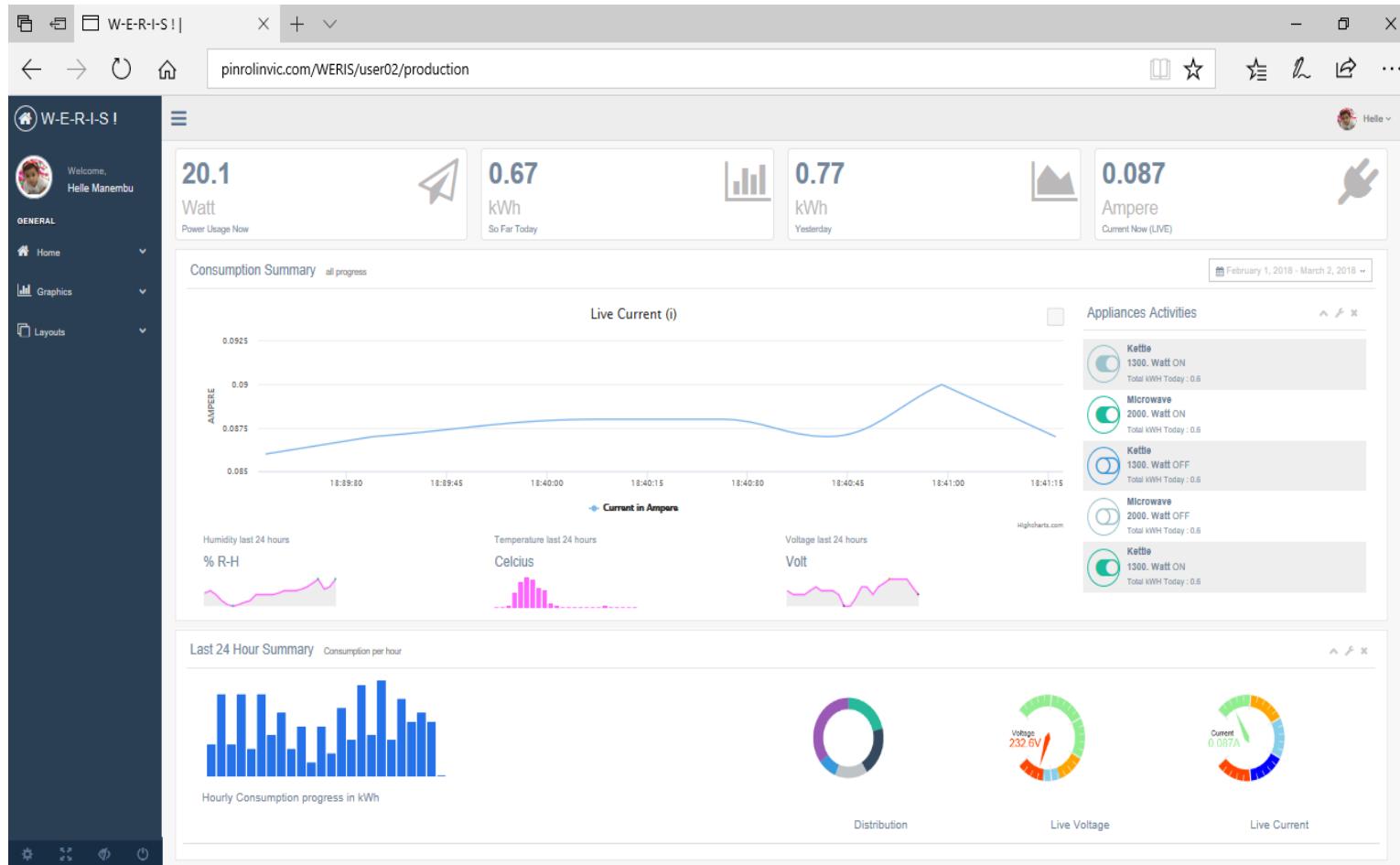
### Dashboard for Every User

Rødovre Denmark

Kampus UNSRAT, (HQ)

# Web application

## □ Monitoring: Data analytics and modeling



# Web application (cont.)

## □ Control function

The screenshot shows a web application interface for managing home consumption. On the left, a sidebar menu includes 'Home', 'Control Area', 'Graphics', and 'Layouts'. The main area features a large graphic titled 'Control Area' with the sub-instruction 'Just Manage your consumption'. This graphic displays various rooms as colored rectangles: Kitchen (light green), Dining Room (blue), Garage (pink), Family Room1 (red), Family Room2 (pink), Teras (light green), Bed Room1 (green), Bed Room2 (green), Bath Room (light green), and Garden 2 (light blue). Each room has an 'ON' or 'OFF' status indicator. To the right, four groups of controls are shown in tables:

- First Group:**

ROOM	STATUS
Bed Room Lamp	Off
Bed Room Lamp	On
Bath Room Lamp	Off
Kitchen Lamp	Off
- Second Group:**

ROOM	STATUS
Dinning Room	Off
Family Room 2	On
Family Room 2	Off
Garage	On
- Third Group:**

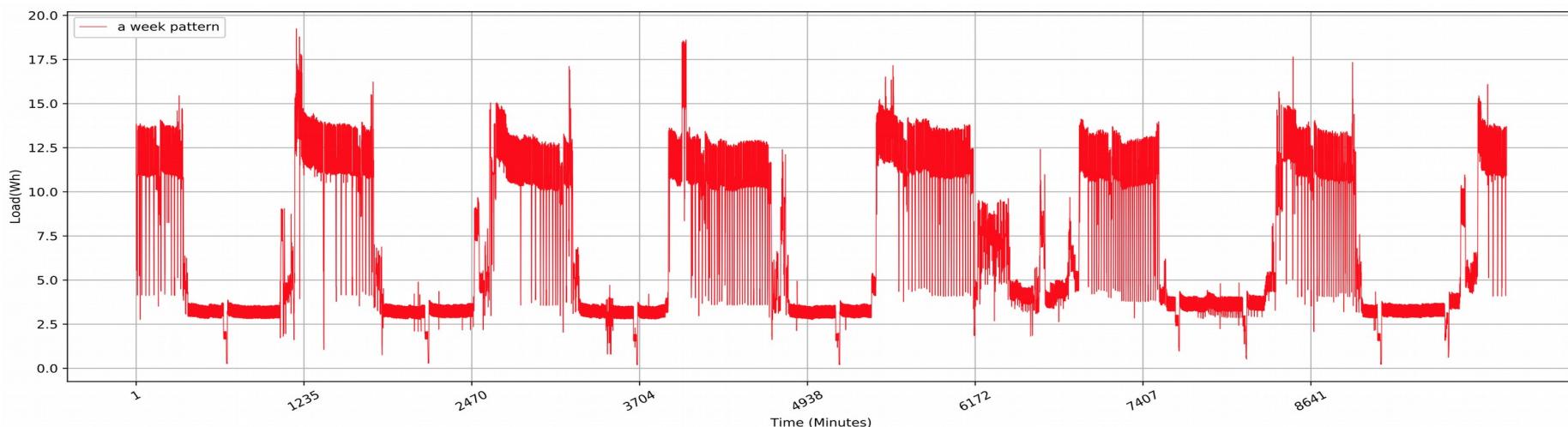
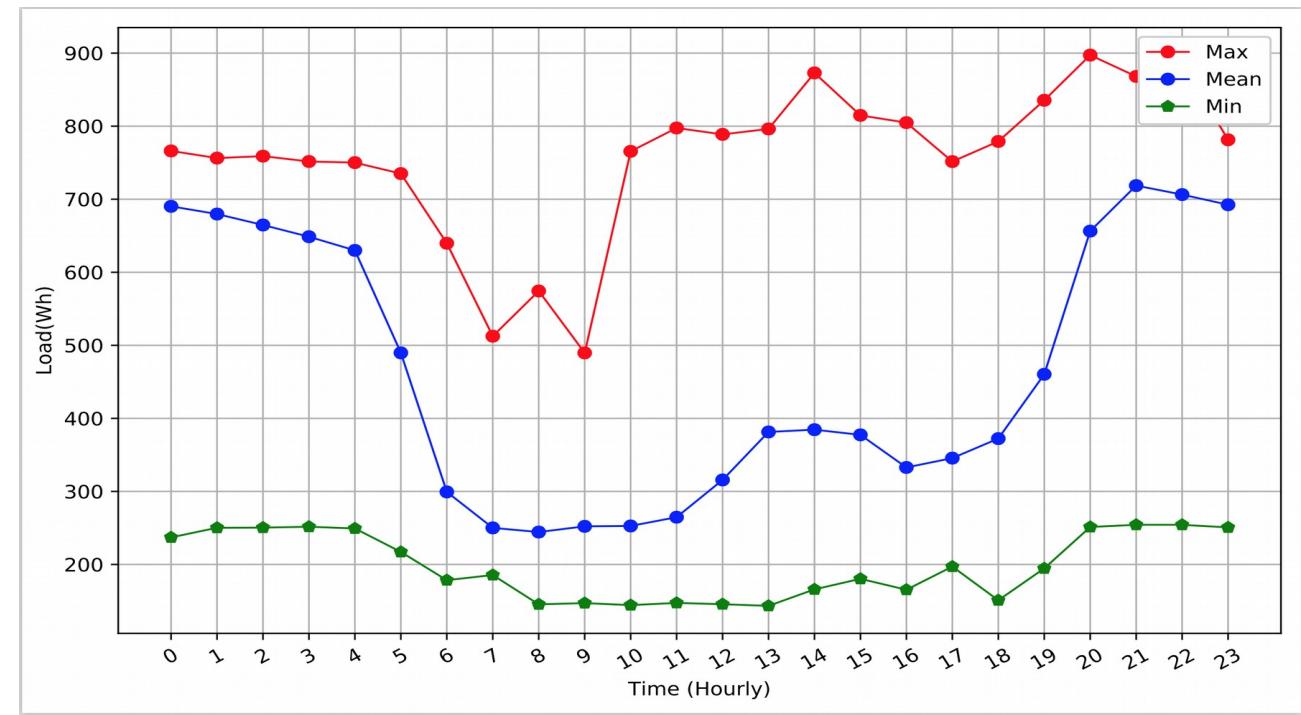
ROOM	STATUS
Main Garden	Off
Mini Garden	On
Teras	Off
- Fourth Group:**

ROOM	STATUS
Main Garden	Off
Mini Garden	Off
Teras	Off

# Load Profile

Hourly  
Resolution >>>

Minute  
Resolution  
within a week



# Publications

**IntelligEnSia for Energy Sustainability Case Study: Manado, Indonesia**  
<http://ieeexplore.ieee.org/abstract/document/6779886/>

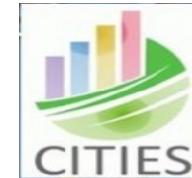
**Missing data solution of electricity consumption based on Lagrange Interpolation case study: IntelligEnSia data monitoring**  
<http://ieeexplore.ieee.org/abstract/document/7352554/>

**A Novel Smart Meter Controlling System with Dynamic IP Addresses**  
<http://www.forskningsdatabasen.dk/en/catalog/2372383756>

**Architecture Design of Smart Meter Controlling System for Dynamic IP Environments**

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**Terima Kasih  
Thank you  
Tak**