IOT ANALYTICS

POWER MANAGEMENT IN SMART HOMES

Dashboard

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2019-10-14

Presentation Overview

Topics to Discuss

1. About the project
2. About the data
3. Dashboard

About the project

Develop analytics for a set of electrical sub-metering devices used for power management in Smart Homes. Main goal of offering highly efficient Smart Homes that providing owners with power usage analytics.

About the data

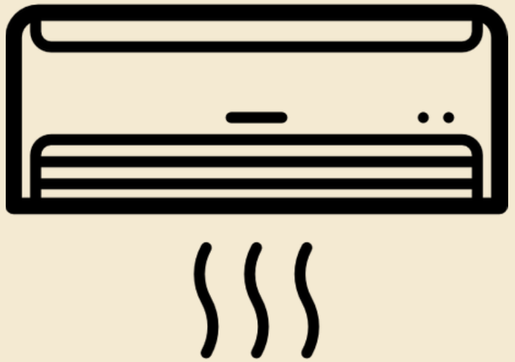
- One-minute sampling rate over
- From 12-2006 to 11-2010
- Paris - France
- Variables:
  - Total power
  - Voltage
  - Current
  - Date / Time
  - 3 sub-meterings

Sub-meters

KITCHEN

LAUNDRY ROOM

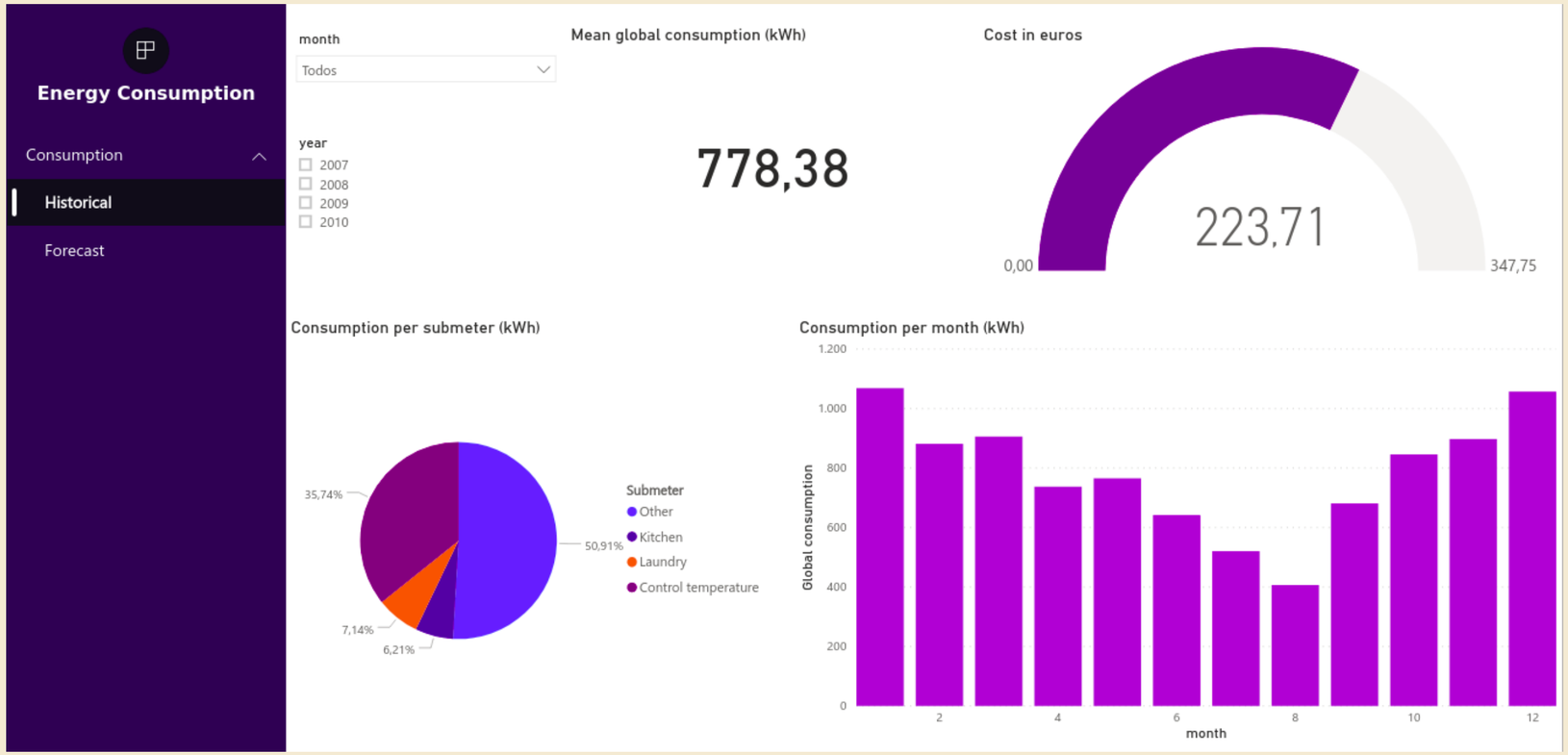
CONTROL TEMPERATURE



Dashboard

Power BI

Visualization



QUESTIONS?