

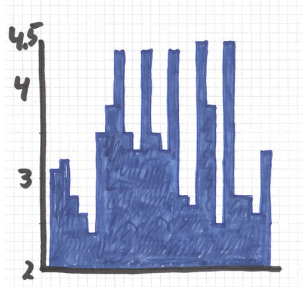
# Predictable Electricity Bills After AMS Rollout by 2019

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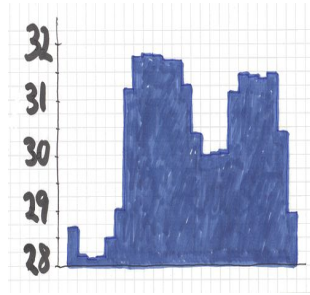
*LEYDN*

# Hour-by-hour invoicing with AMS

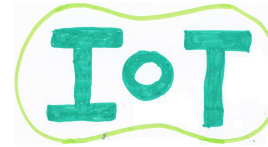
Consumption



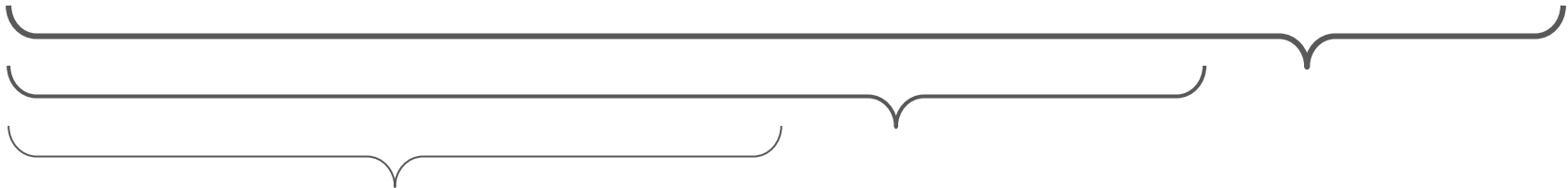
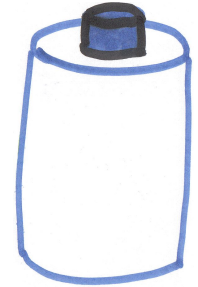
Price



Technology

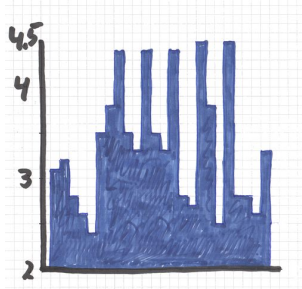


Batteries

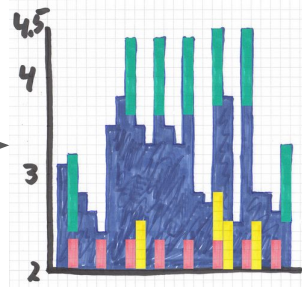


# Predicting consumption profiles in a household

Consumption

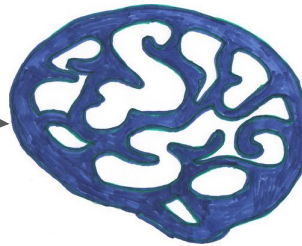


Disaggregation



Individual appliances' usage profile

other data



Learning to predict consumption and prices

Machine Learning

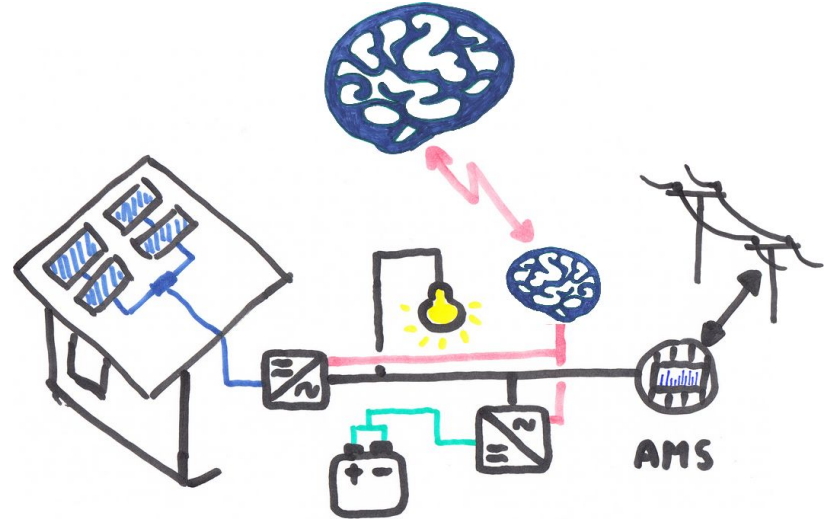
# Benefits for both Households and the Grid

Household:

- Demand Management + Peak Shaving → Predictable Bills

Grid:

1. Cluster household batteries into a large Virtual Battery
2. Use the Virtual Battery for Transactive Energy



**Uncertainty:**

Tariffs not decided

**Key assumption:**

Norwegian Price variations will approach European profile