





# INTERACTIVE INSTITUTE = ART+ DESIGN + TECHNOLOGY



# ENERGY DESIGN = ENERGY+ IT + DESIGN+BEHAVIOUR

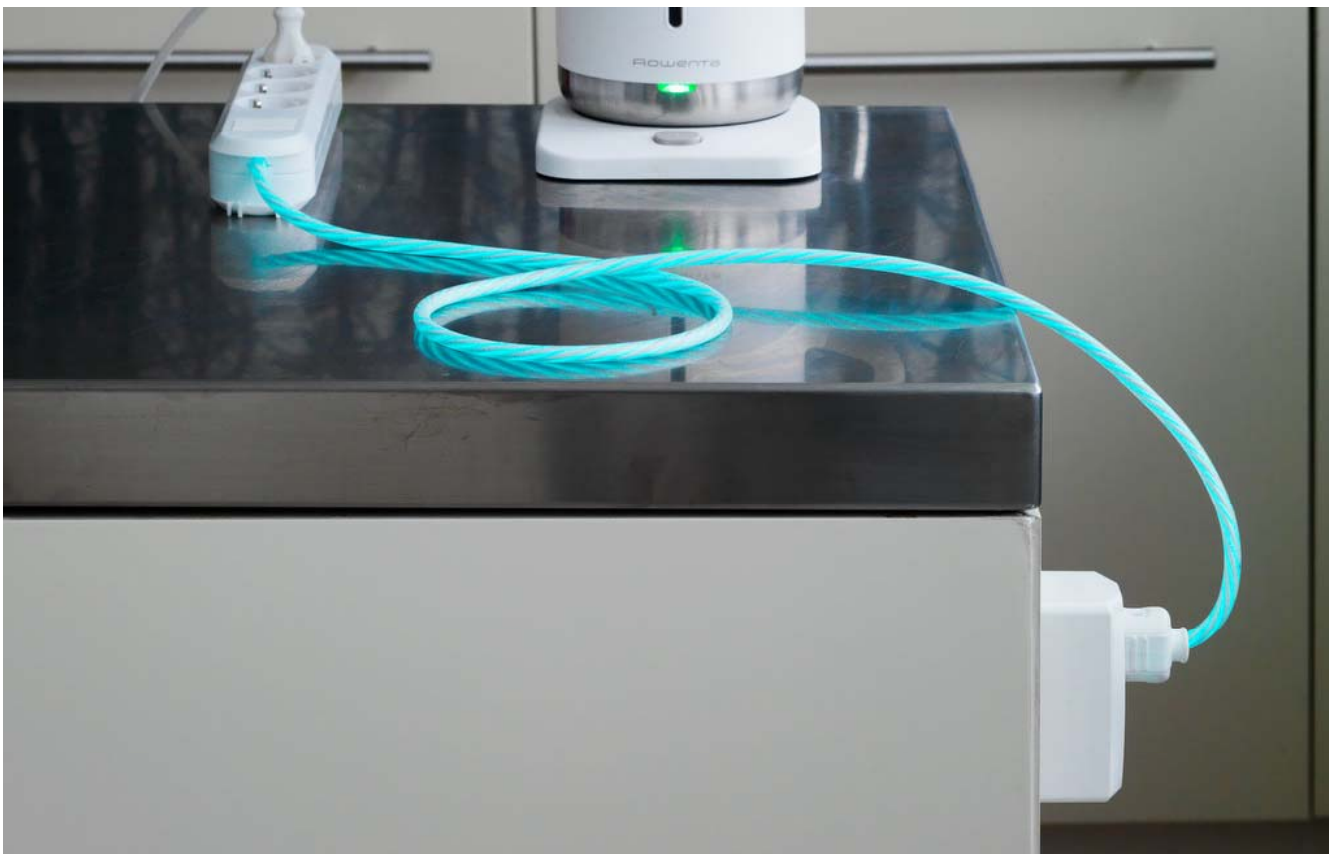






**Flower Lamp**

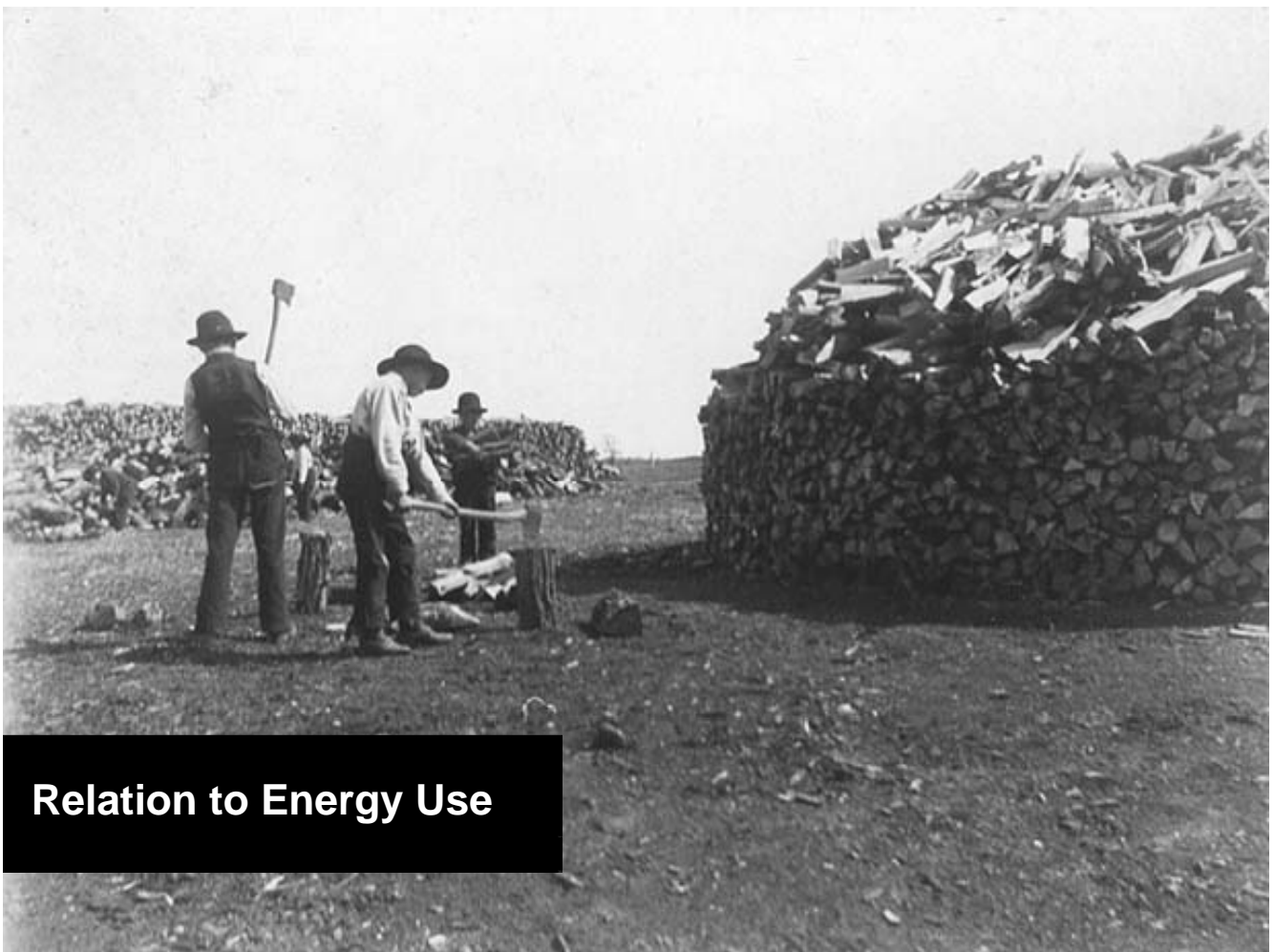
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**Power Aware Cord**

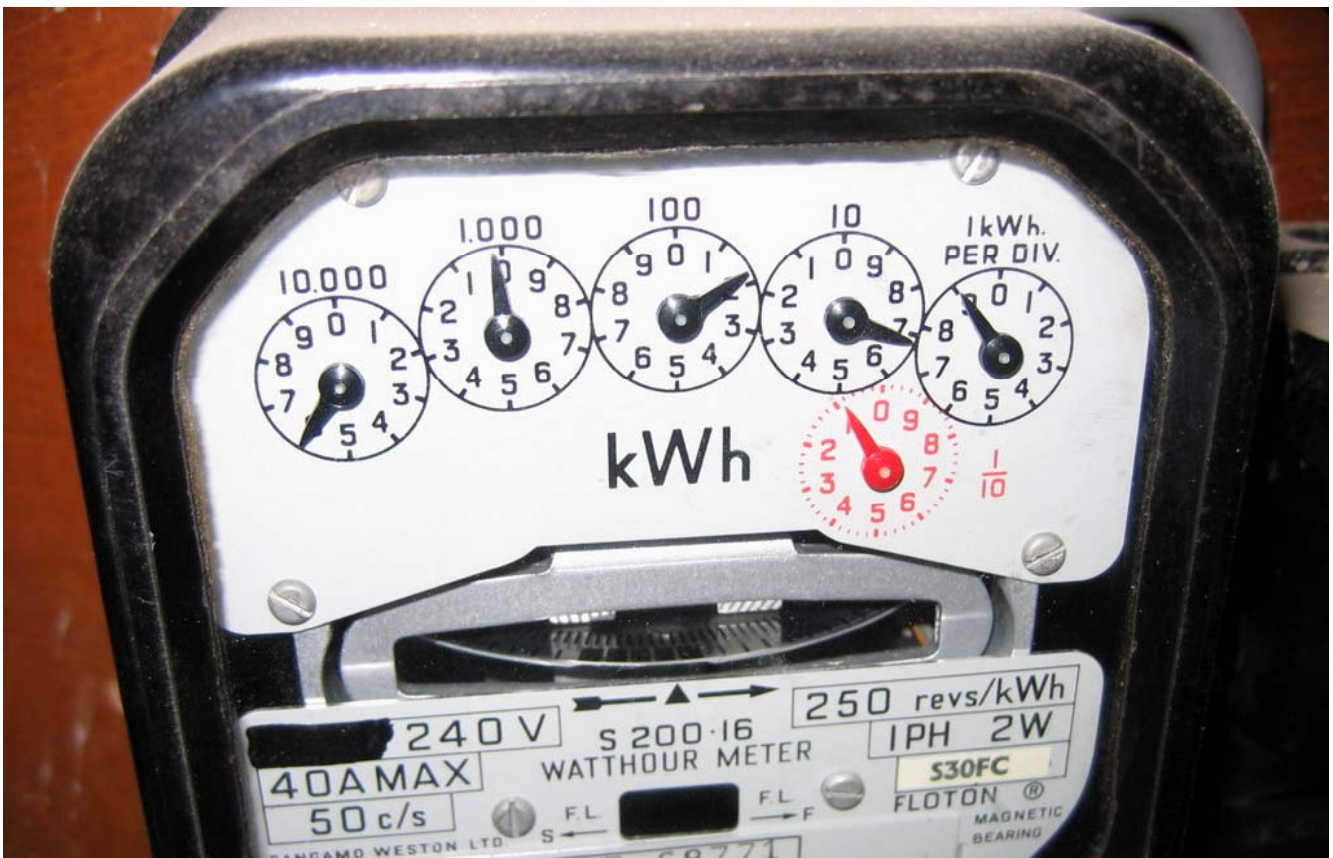


**Electrical appliances**

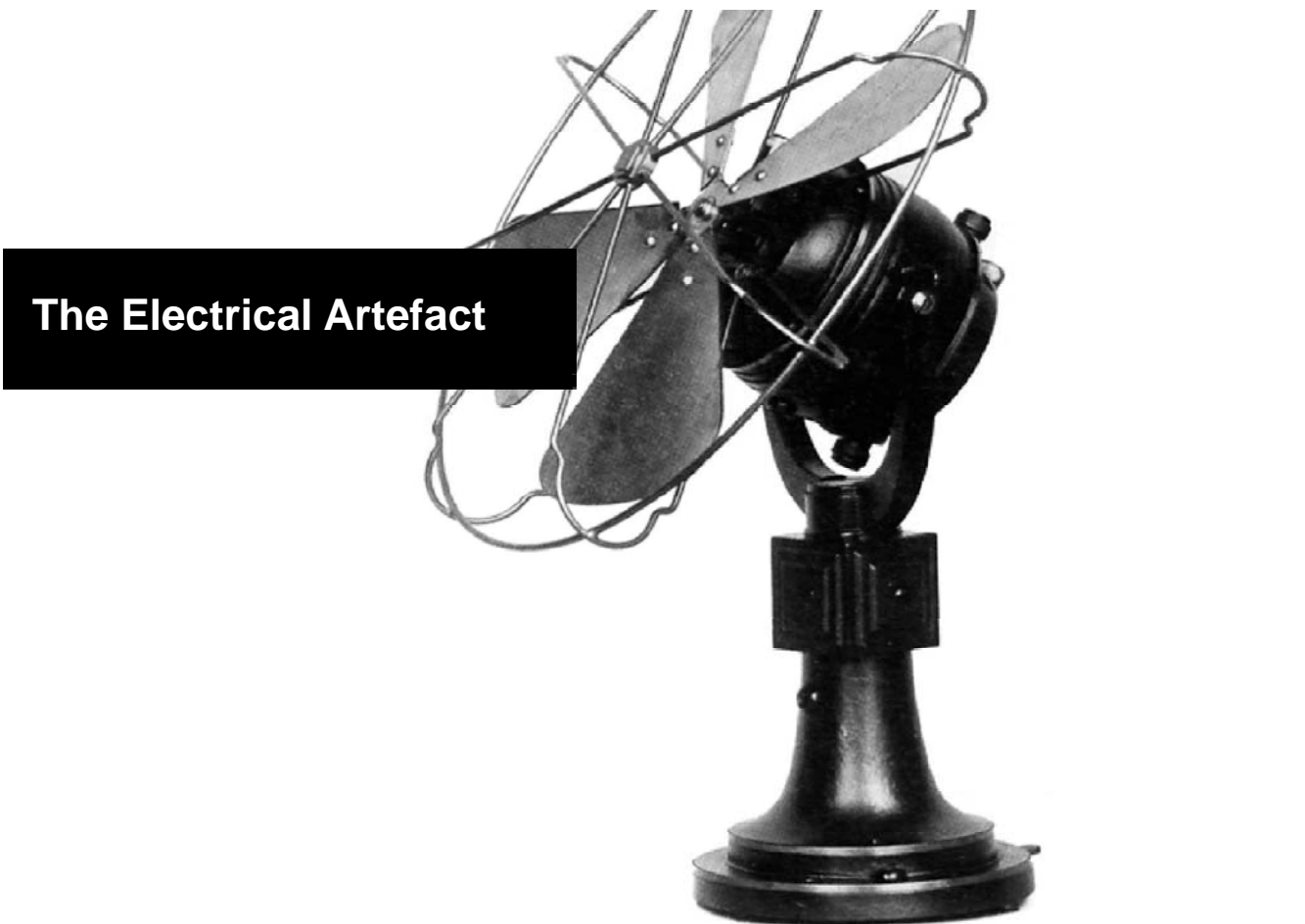


**Relation to Energy Use**





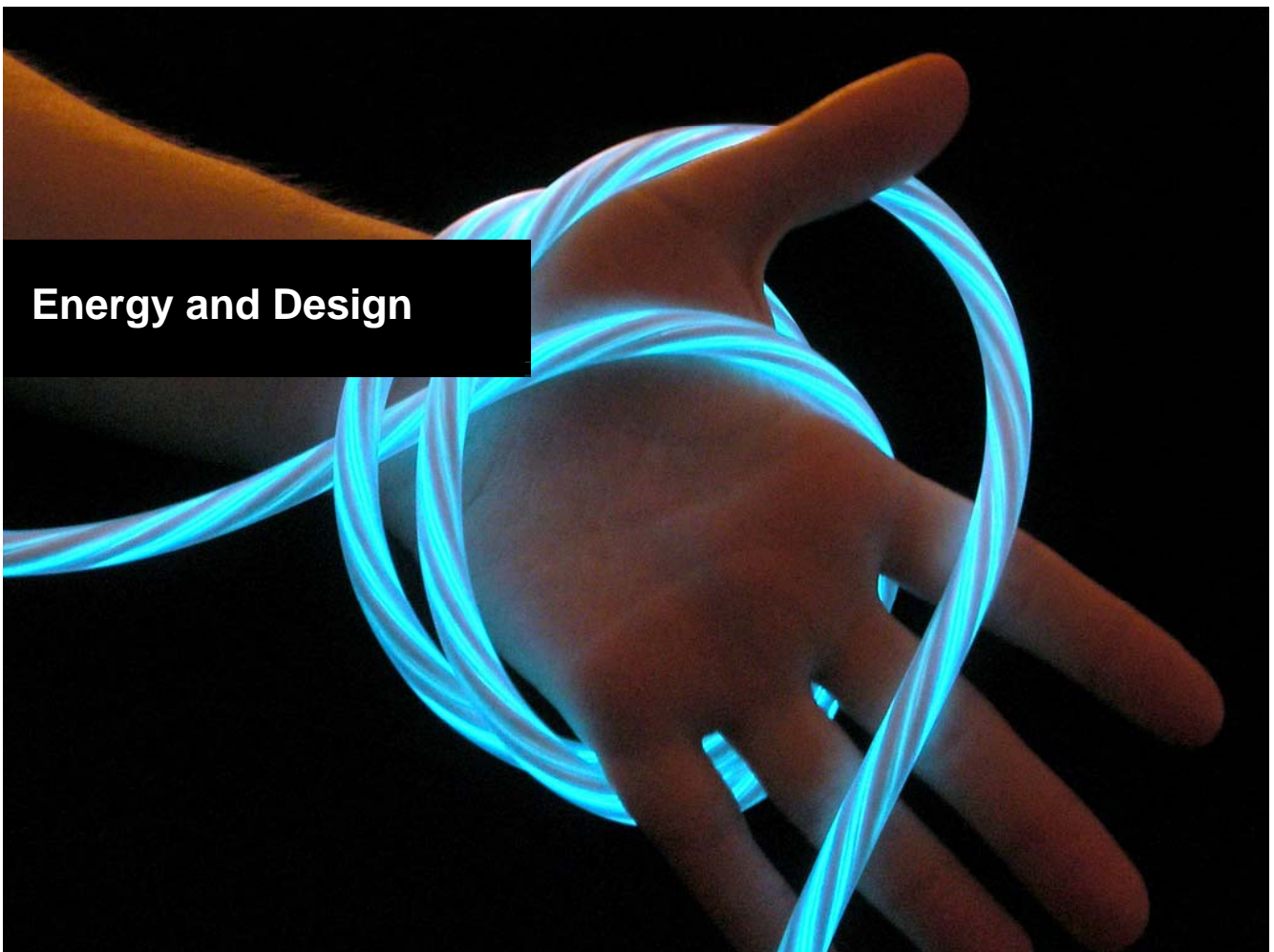
**Relation to energy  
use**



**The Electrical Artefact**

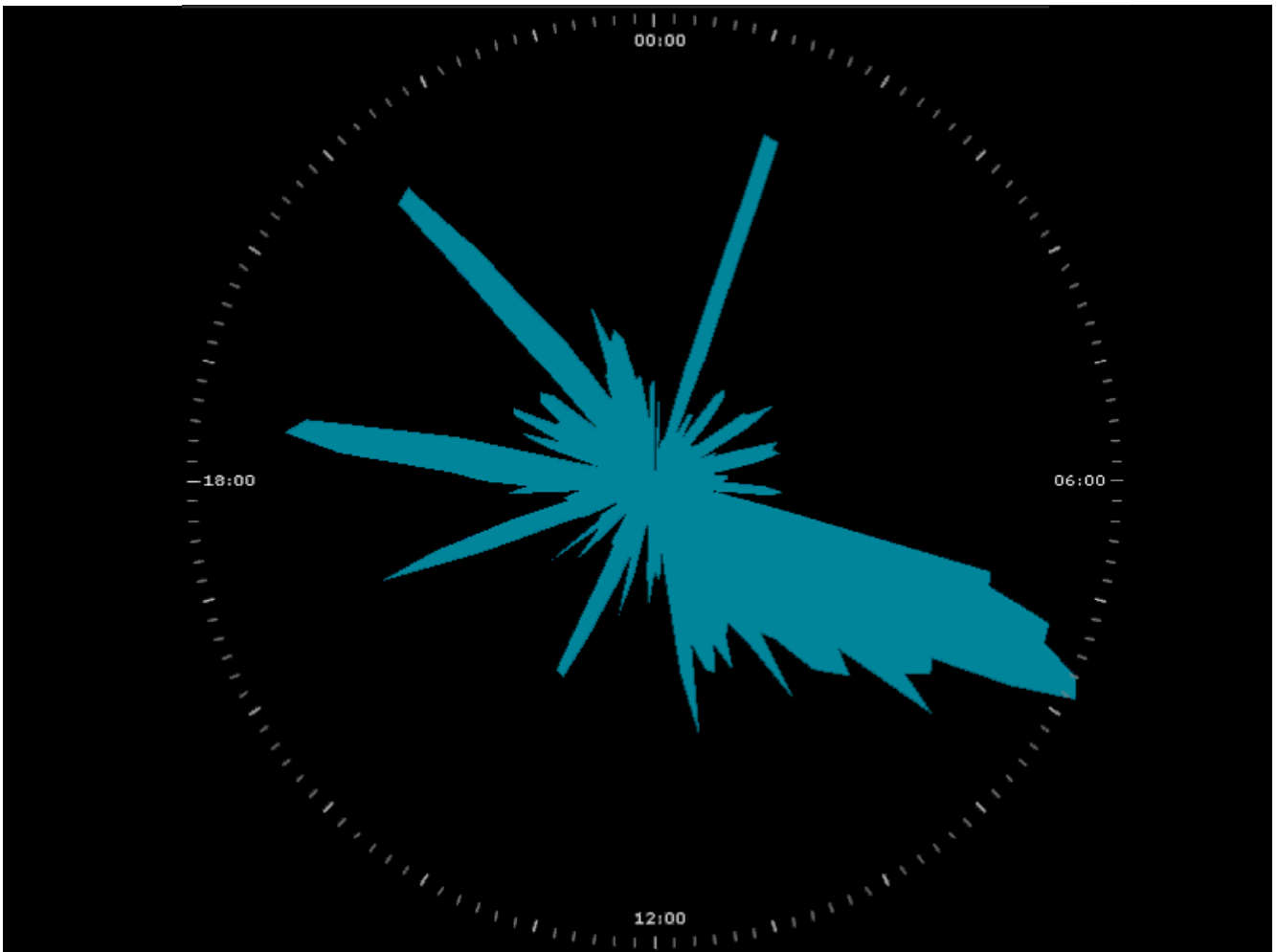


**Visualizing energy**



**Energy and Design**

# The Energy AWARE Clock

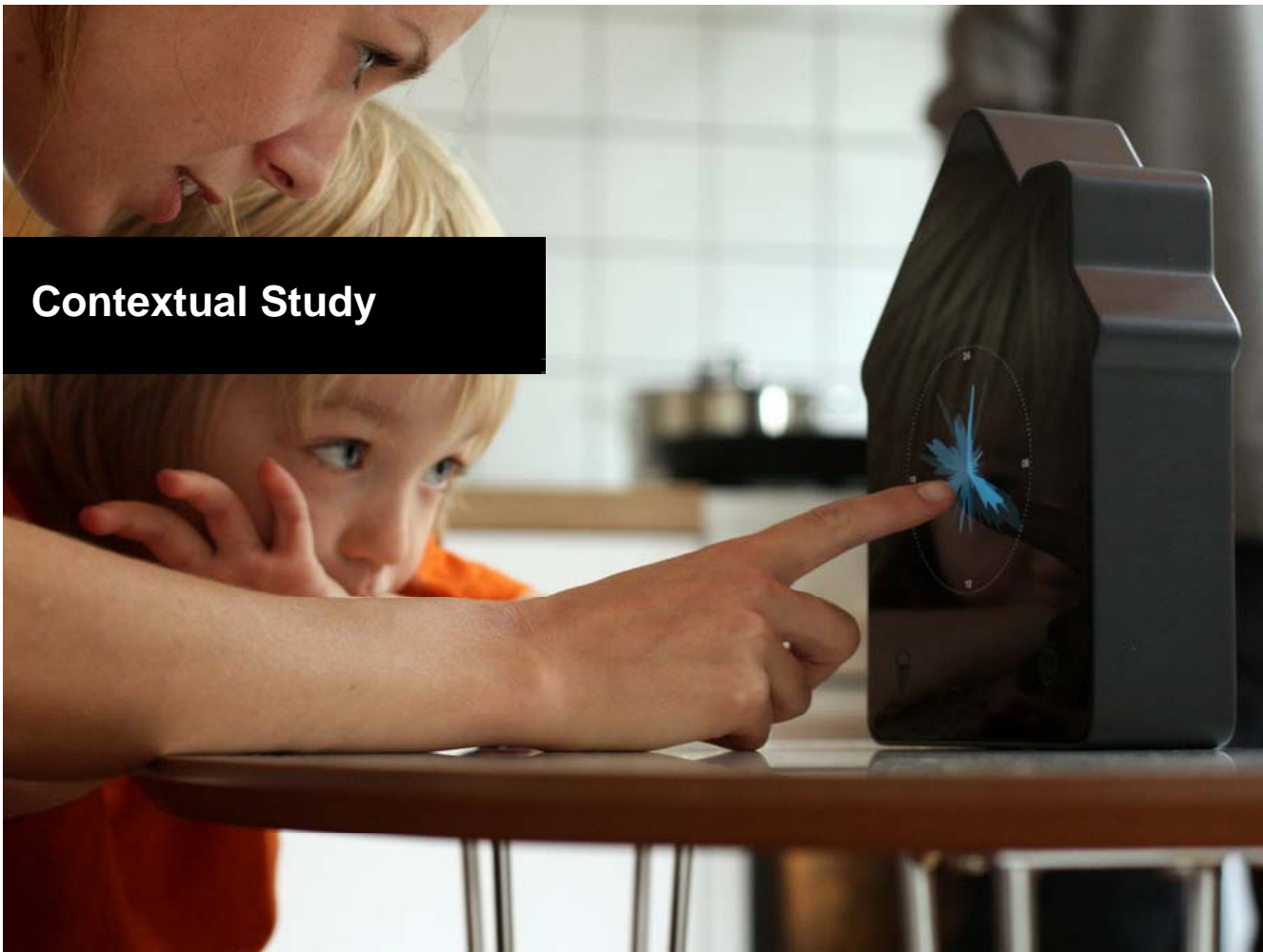




# Electricity Patterns



# Contextual Study







**The Households**



**Method**

## Thematic Questions

- **awareness** of energy use in the home?
- influence on households' **behaviour**?
- interaction **patterns** and use of **feedback**?
- **change** over time?

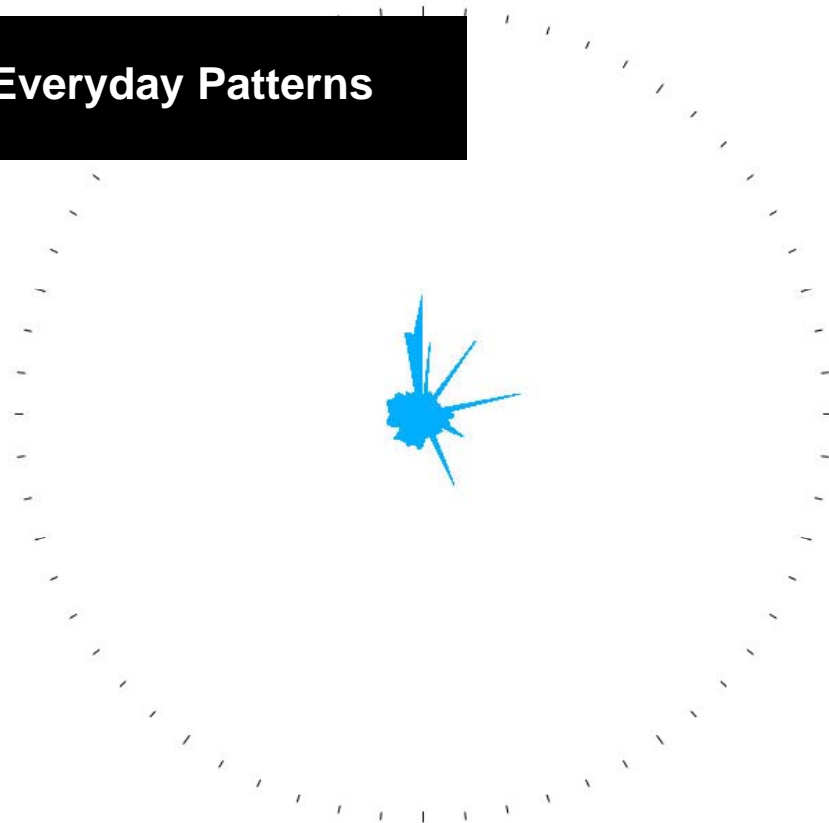


Exploration Phase

## Confirmation phase

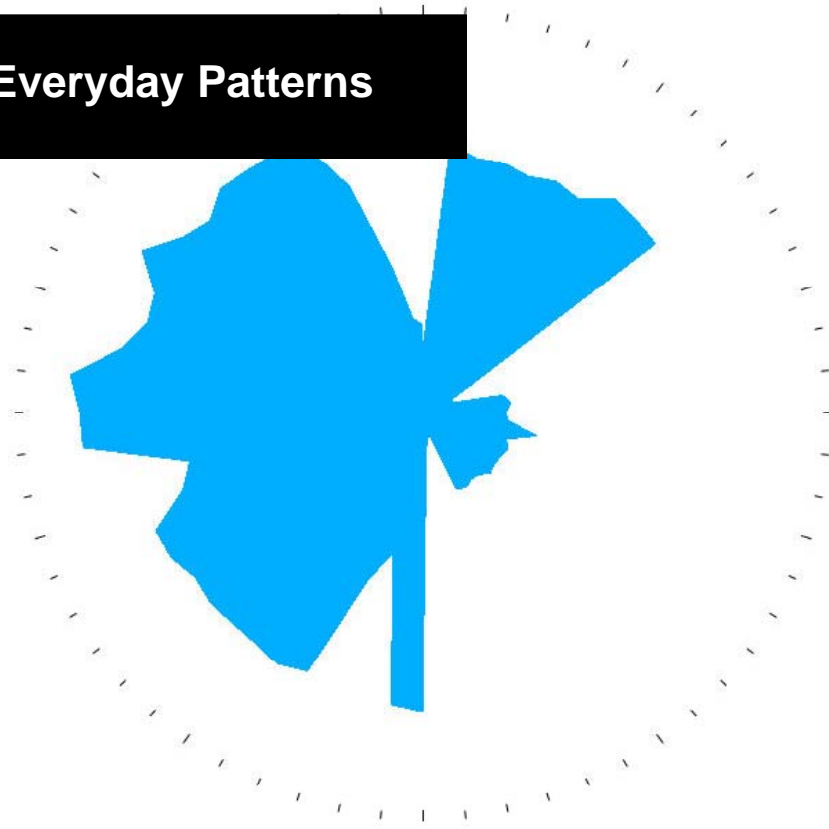


## Learning Everyday Patterns

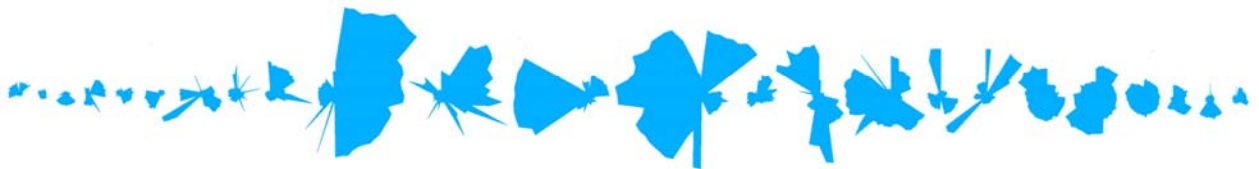




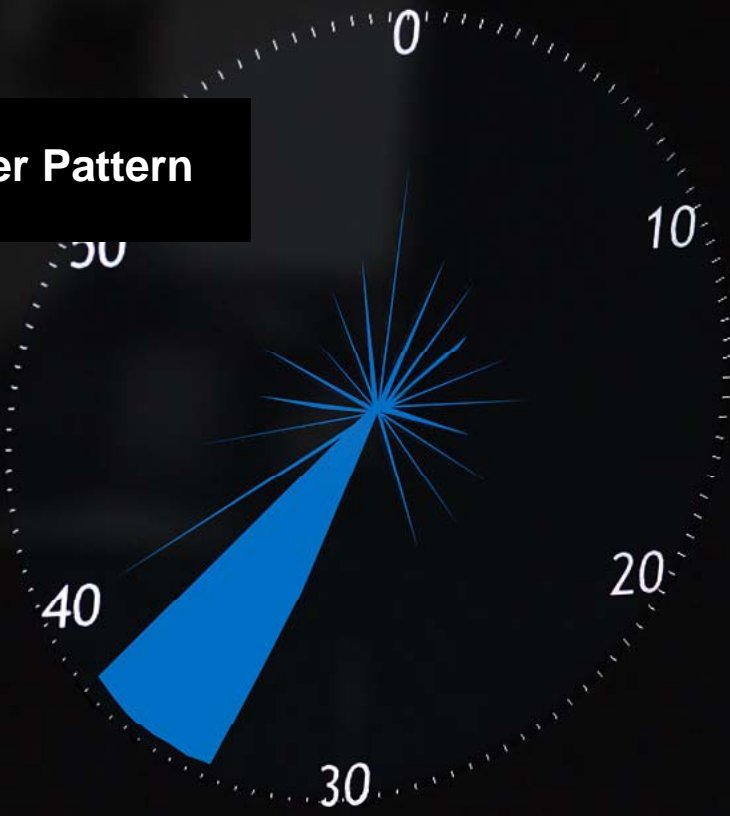
# Learning Everyday Patterns



# Learning Everyday Patterns



## The Coffee Maker Pattern



## Conclusions





**Smart Grids and  
people's relation to  
Energy Use?**

**Broms, L., Katzeff, C., Bång, M. Nyblom, Å., Ilstedt, S. and Ehrnberger, K.:**

**Coffee Maker Patterns and the Design of Energy Feedback  
Artefacts**

[http://soda.swedish-ict.se/4019/1/DIS2010\\_paper0015.pdf](http://soda.swedish-ict.se/4019/1/DIS2010_paper0015.pdf)

Thank you!