

Energy C.



Radio P.



Security



Reliability



# Keysight Demo Booth

## A Low-Cost Cellular Tester for IoT

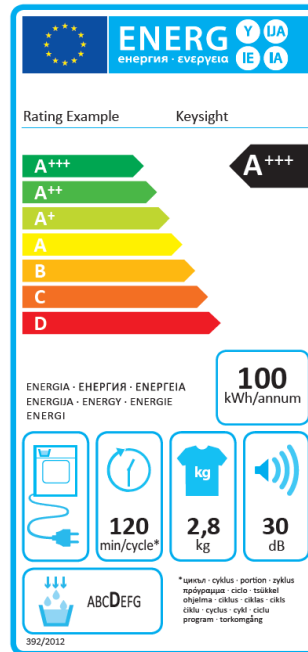
**Germán Corrales Madueño**  
Keysight Labs Denmark

# The Vision – Trustworthy & Reliable IoT

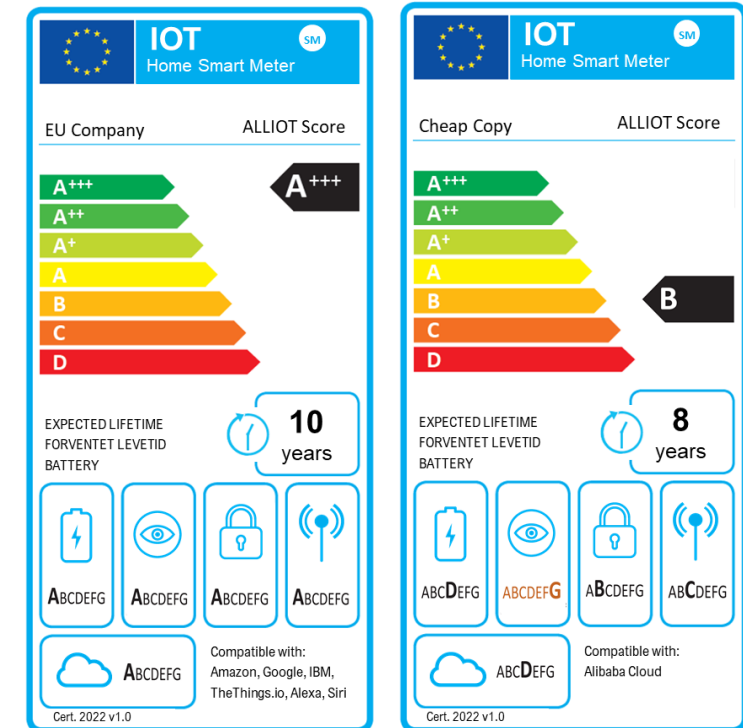
## IoT is an Invasive Technology: What if it Fails or Underperforms?



- 5 stars safety: Overall good performance in crash protection. Well equipped with robust crash avoidance technology
- 4 stars safety: Overall good performance in crash protection; additional crash avoidance technology may be present
- 3 stars safety: Average to good occupant protection but lacking crash avoidance technology
- 2 stars safety: Nominal crash protection but lacking crash avoidance technology
- 1 star safety: Marginal crash protection



**Energy Rating Label**  
> More Efficient and Ecological Appliances

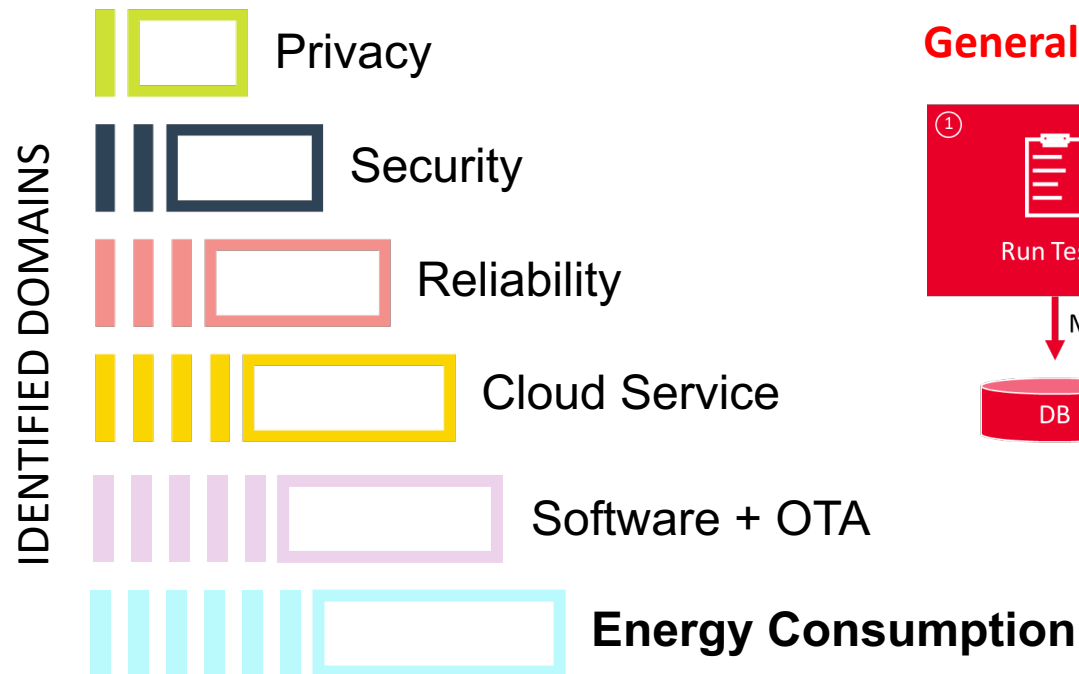


**IoT Labelling**  
> More Dependable Connected Society

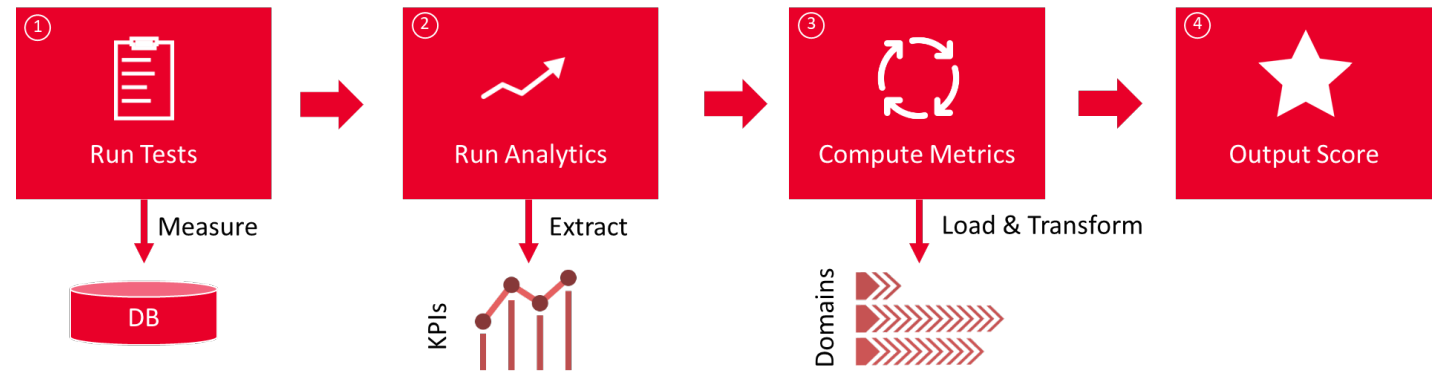
# How Do We Get There?

We Build a Testbed to Measure and To Test E2E

**Objective** – a framework suited for all IoT capable of testing the **End-to-End** system **performance** under realistic network conditions between the device and the cloud in an **automated** fashion while simultaneously **hiding** the testing **complexity**, making it **easier**, **cheaper** and **faster**.



## Generalized Framework – ETL Process



# Booth Peak

## Energy Consumption Demo – How Long Will My Battery Last?

