**MEASURE ENERY CONSUMPTION**

**Problem Definition:**

The problem at hand is to create an automated system that measures energy consumption, analyzes the data, and provides visualizations for informed decision-making. This solution aims to enhance efficiency, accuracy, and ease of understanding in managing energy consumption across various sectors.

**Design Thinking:**

1. Data Source: Identify an available dataset containing energy consumption measurements.
2. Data Preprocessing: Clean, transform, and prepare the dataset for analysis.
3. Feature Extraction: Extract relevant features and metrics from the energy consumption data.
4. Model Development: Utilize statistical analysis to uncover trends, patterns, and anomalies in the data.
5. Visualization: Develop visualizations (graphs, charts) to present the energy consumption trends and insights.
6. Automation: Build a script that automates data collection, analysis, and visualization processes.