

## Project Design Phase

### Problem – Solution Fit Template

Date	25-06-2025
Team ID	LTVIP2025TMID20838
Project Name	Plugging into the Future : An Exploration of Electricity Consumption Patterns
Maximum Marks	4 Marks

#### Problem – Solution Fit Template :

The Problem–Solution Fit means identifying a key issue faced by electricity consumers and decision-makers specifically the **lack of clear, understandable insights into electricity consumption patterns** and **delivering a Tableau-based interactive dashboard** that solves this problem effectively through visual analytics. This approach helps energy users, analysts, and policy developers uncover patterns, improve efficiency, and make smarter energy decisions.

#### Purpose :

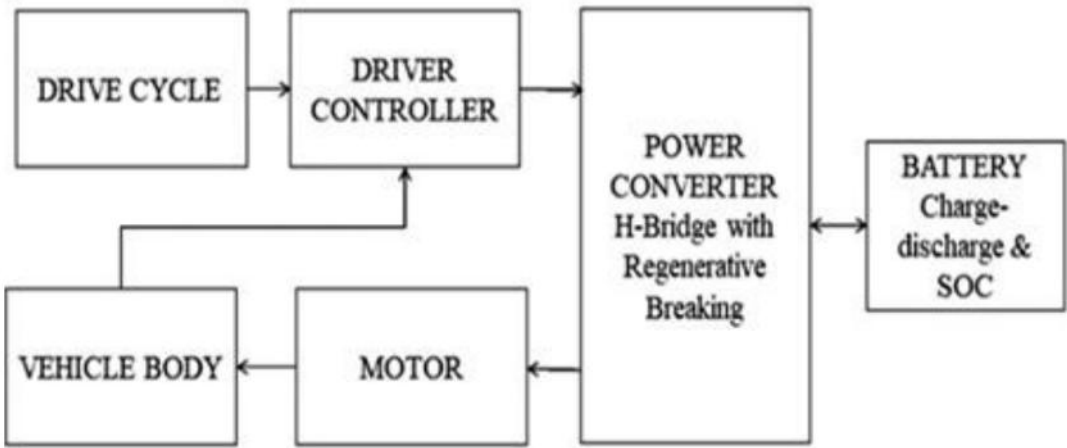
- Solve **electricity consumption complexities** in a way that suits both technical and non-technical users.

- Speed up energy insight adoption by leveraging **familiar, visual dashboards via**

#### Tableau.

- Sharpen public awareness and policy direction with **data-backed visuals and storytelling.**
- Increase touch-points with users by solving **frequent energy mismanagement, peak load confusion, and cost concerns.**

**Problem Solution Fit:**



<b>Problem Area</b>	Users struggle to understand and analyse electricity consumption trends across different sectors, times, and regions.
<b>Solution</b>	Develop an interactive Tableau dashboard to visualize and explore electricity consumption patterns.
<b>Key Features</b>	<ul style="list-style-type: none"><li>• Sector-wise consumption breakdown</li><li>• Time-series trend analysis</li><li>• Regional usage comparison</li><li>• Peak vs off-peak usage visualization</li></ul>
<b>Value Proposition</b>	Empowers users to identify patterns, reduce consumption, and make data-driven energy decisions through engaging and interactive visual insights.

