

Project Design Phase-II

Data Flow Diagram & User Stories

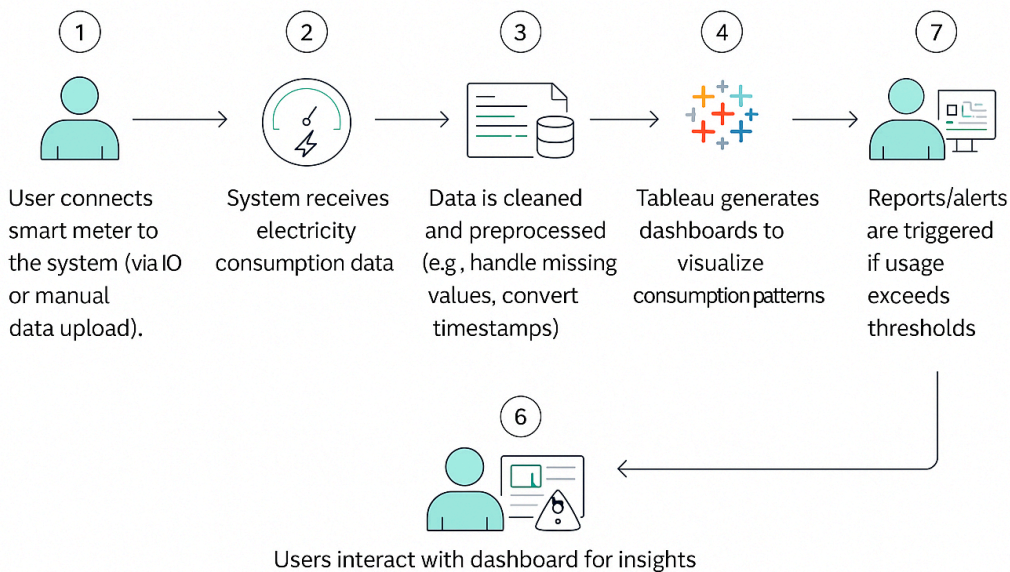
Date	31 January 2025
Team ID	LTVIP2025TMID47482
Project Name	Plugging into the future:- An Exploration of Electricity Consumption Patterns Using Tableau
Maximum Marks	4 Marks

Data Flow Diagrams:

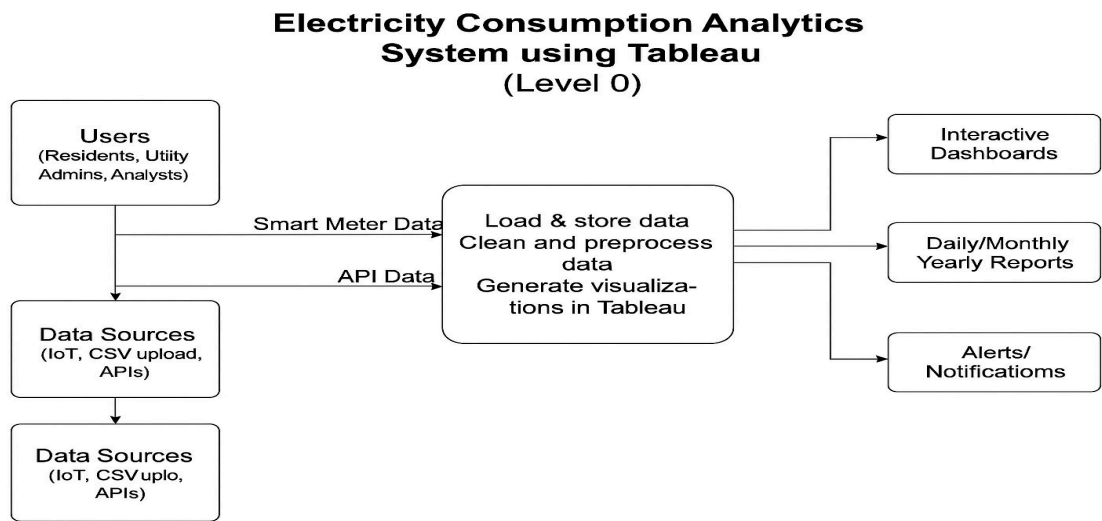
A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Example: [\(Simplified\)](#)

Flow



Example : DFD (LEVEL 0)



User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Resident	Data Monitoring	USN-1	As a user, I want to track my daily electricity usage through a dashboard.	Usage data visible and updated on a daily basis	High	Sprint-1
Analyst	Regional Comparison	USN-2	As a data analyst, I want to compare electricity usage across cities or zones.	Comparison chart available using filters	High	Sprint-2
Utility Admin	Alerts & Notifications	USN-3	As an admin, I want to get alerts when a user's consumption exceeds average usage.	Email or dashboard alert generated for threshold breach	Medium	Sprint-2
Resident	Insights	USN-4	As a user, I want to know which appliances consume the most electricity.	Appliance-level usage shown via visual (if data supports it)	Medium	Sprint-3
Stakeholder	Dashboard Access & Reporting	USN-5	As a stakeholder, I want downloadable reports from Tableau dashboards for review and meetings.	PDF/CSV report generation enabled	High	Sprint-3