

## Project Design Phase-II Data Flow Diagram & User Stories

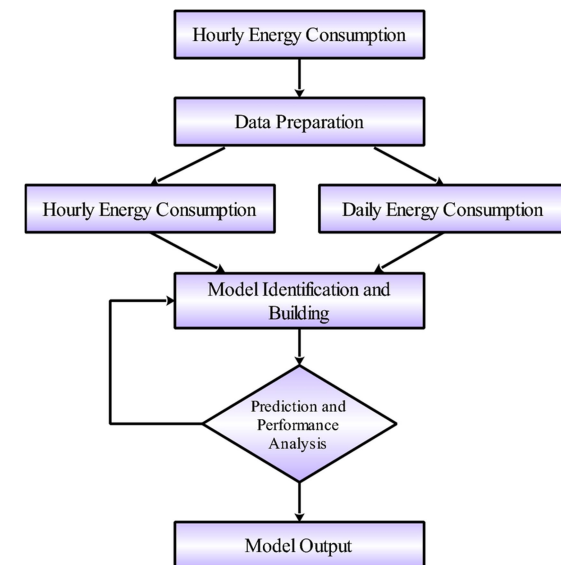
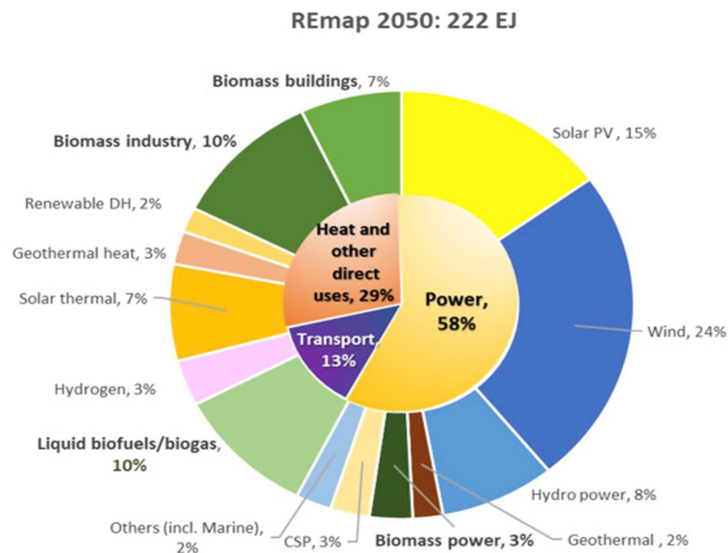
Date	18 <sup>th</sup> March 2025
Team ID	PNT2025TMID06806
Project Name	Global Energy Trends: A Comprehensive Analysis of Key Regions and Generation Modes using Power BI
Maximum Marks	4 Marks

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

Example: DFD Level 0 (Industry Standard)



## 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
Researcher	Data Collection	USN-1	As a researcher, I can submit energy production and consumption data.	My data is successfully stored in the database.	High	Sprint-1
Researcher	Data Validation	USN-2	As a researcher, I receive confirmation once my data is validated.	I receive a validation status update.	High	Sprint-1
Analyst	Data Analysis	USN-3	As an analyst, I can analyze energy trends using AI models	I can generate insights and reports.	Medium	Sprint-2
Government	Policy Decision	USN-4	As a government official, I can access energy reports for decision-making.	I can download reports and review insights.	High	Sprint-1
Business	Market Analysis	USN-5	As a business user, I can access energy consumption trends for market strategy.	I can view trends and forecasts.	High	Sprint-1
Consumer	Awareness	USN-6	As a consumer, I can receive recommendations for energy efficiency.	I can view suggestions for optimizing energy usage.	Medium	