

Project Initialization and Planning Phase

Date	1 October 2025
Team ID	SWUID20250206509
Project Name	Global Energy Trends: A Comprehensive Analysis of Key Regions and Generation Modes using Power BI
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

Energy analysts and policymakers lack a centralized, interactive platform to visualize and compare global energy generation trends across regions and sources. This limits their ability to make informed, data-driven decisions toward sustainable energy development. Our Power BI solution aims to bridge this gap by providing clear, accessible, and comprehensive visual insights into global energy patterns. Create a problem statement to understand your customer's point of view.

Customer Problem Statement – Global Energy Trends Dashboard

I am	An energy analyst, policymaker, or sustainability researcher who relies on accurate, up-to-date global energy data to make informed decisions.
I'm trying to	Analyze and compare global energy generation and consumption patterns across regions and sources to identify sustainable growth opportunities.
but	The data is scattered across multiple sources, difficult to interpret, and lacks visual representation that connects production, consumption, and emissions trends clearly.
because	There is no centralized or interactive platform that provides a comprehensive, visual, and easy-to-understand overview of global energy trends by region and mode.
which makes me feel	Frustrated and uncertain, as it becomes challenging to draw actionable insights, communicate findings effectively, or make confident policy and investment decisions

Reference: <https://miro.com/templates/customer-problem-statement/>

Example:

I am	I'm trying to	but	because	which makes me feel
a traveler	book flights on my phone	it takes a long time	The website is not responsive and doesn't have a mobile version	Frustrated

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
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PS-1	Energy policy analyst	Understand global energy generation patterns across different regions and identify shifts from fossil fuels to renewables	I lack a centralized, visual platform that consolidates data from multiple regions and energy sources	Energy data is scattered across different databases, reports, and formats making comparative analysis time-consuming and error-prone	Frustrated and inefficient, as I spend more time gathering data than analyzing trends for policy recommendations
PS-2	Business intelligence manager in an energy company	Track and compare energy generation trends to make informed investment decisions in renewable energy projects	Current reporting tools don't provide interactive visualizations that allow me to drill down into specific regions, timeframes, and generation modes	We need real-time insights to stay competitive and identify emerging opportunities in the renewable energy sector	Uncertain about our strategic direction and concerned we might miss critical market opportunities