

## Ideation Phase

### Define the Problem Statements

Date	20 <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	2 Marks

#### Customer Problem Statement Template:

In today's rapidly evolving energy landscape, business, policymakers, and consumers face significant challenges in understanding and adapting to global energy trends. The lack of accessible and comprehensive insights into renewable and non-renewable energy sources, regional energy production variations, and consumption patterns creates barriers to informed decision-making.

I am	A policymaker analyzing energy trends
I'm trying to	Make data-driven decisions for sustainable energy policies
but	I struggle to find reliable and well-visualized data
because	Energy data is fragmented across multiple sources and lacks proper insights
which makes me feel	Frustrated and uncertain about implementing effective policies

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#### Example:

I am	I'm trying to	but	because	Which makes me feel
Policy Maker	Make data-driven decisions	I struggle to find data	Data is fragmented	Frustrated

<b>Problem Statement (PS)</b>	<b>I am (Customer)</b>	<b>I'm trying to</b>	<b>But</b>	<b>Because</b>	<b>Which makes me feel</b>
PS-1	A researcher studying global energy trends	Identify patterns in renewable and non-renewable energy consumption	It's difficult to compare energy trends across different regions	Energy reports are often static and lack interactive visualizations	Limited in conducting deep analysis and deriving meaningful insights
PS-2	A data analyst in the energy sector	Create interactive dashboards to monitor energy consumption trends	Traditional spreadsheets and reports are hard to interpret	They do not provide real-time insights or predictive analytics	Overwhelmed by complex data without actionable insights