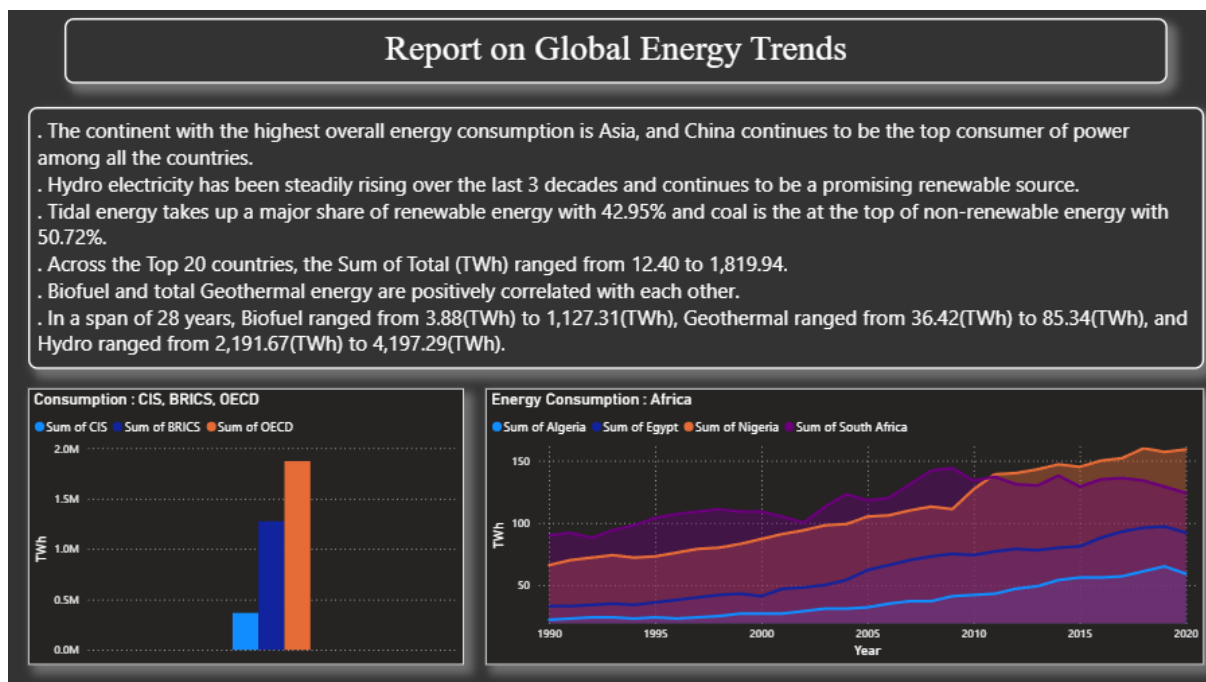# Report

Date	23 December 2025
Team ID	xxxxxx
Project Name	Global Energy Trends: A Comprehensive Analysis of Key Regions and Generation Modes Using Power BI
Maximum Marks	5 Marks

A report is a comprehensive document that provides a detailed and structured account of data analysis, findings, and insights. It is typically used for in-depth analysis, documentation, and communication of results. Reports are suitable for a diverse audience, including decision-makers, analysts, and stakeholders who need a comprehensive understanding of the data.

Designing a report in Power BI involves connecting to data sources, creating visualizations like charts and graphs, customizing their appearance and interactivity, organizing them logically on the canvas, formatting elements for consistency and clarity, and optionally creating dashboards for a summarized view. Throughout the process, it's essential to consider the audience's needs and ensure the report effectively communicates insights from the data. Finally, iterate based on feedback to continually improve the report's design and usefulness.

Observations drawn from reports in Power BI can provide valuable insights into business performance and trends.

1. **China is the top energy consumer globally.**
2. **Hydropower generation shows a steady upward trend over the last 30 years.**
3. **Coal contributes the largest share among non-renewable energy sources**
4. **OECD countries consume more energy compared to CIS and BRICS regions.**
5. **Hydropower's steady growth highlights its reliability and long-term sustainability.**

6. **Biofuel energy rises from 3.88 TWh to over 1,127 TWh in 28 years.**
7. **Top 20 countries range from 12.40 TWh to 1,819.94 TWh, indicating large disparities.**
8. **Geothermal energy increases steadily from 36.42 TWh to 85.34 TWh.**