

## Project Design Phase Solution Architecture

Date	21 <sup>st</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

### Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Architectural framework for energy distribution
- Integration of renewable and non-renewable sources
- Smart grid technologies and automation
- Architectural strategies for improving energy efficiency
- Use of IoT and smart devices for real-time monitoring
- Implementation of demand response systems

### Example - Solution Architecture Diagram:

