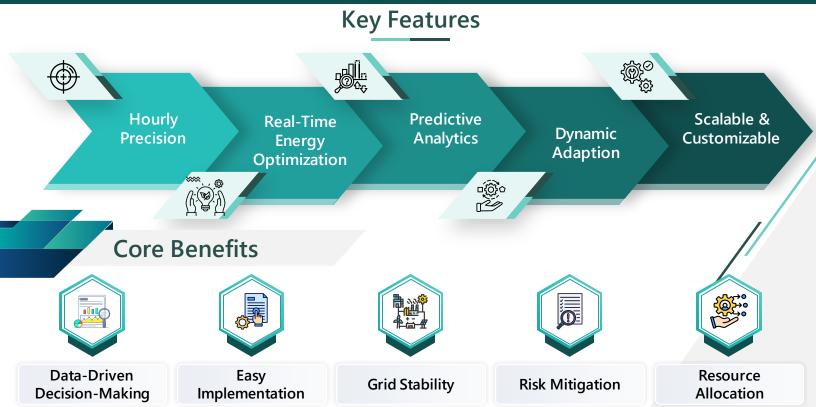


Introducing our revolutionary **Hourly Energy Matching & Allocation Solution** – a cutting-edge tool designed to **optimize the utilization of energy resources** by **aligning electricity production and consumption** on an hourly basis. By leveraging **Azure Synapse**, **Azure IoT Hub**, **ADLS**, **and Azure Function**, we empower energy providers to maintain a harmonious balance between supply and demand, resulting in **enhanced grid stability and increased energy efficiency**.

By precisely synchronizing energy generation with consumption patterns, our solution not only **reduces wastage** and operational costs but also minimizes the environmental footprint of electricity generation.

"Global IT spending in the power and utilities market is set to rise by **8%** in 2023, reaching **\$189** billion, with a projected five-year CAGR of 8.2%, aiming for \$242 billion by 2026."

- Gartner



## **Impacts**



Optimized Resource Allocation 60%

**Cost Savings** 

3X

Enhanced Grid Stability 50%

Reduced Carbon Footprint 2X

**Risk Reduction** 

50%

Increased ROI





