

Discover the Future of Power Management with Generation Forecasting



Experience **precision in energy forecasting** with our advanced Generation Forecasting Solution, designed to **predict electricity generation from renewable sources like solar and wind**. Traditional forecasting lacks real-time accuracy, causing inefficiency and higher costs. Using **Azure Machine Learning, Azure Blob Storage, Azure Kubernetes Service, and AML Pipelines**, our solution provides accurate forecasts that **help grid operators maintain a stable supply-demand balance**, reduce waste, and **minimize operational disruptions**. It improves renewable energy integration, supports cost-effective operations, and **strengthens grid stability while reducing carbon footprints**.

Gartner projects global IT spending in the power and utilities sector to reach \$249.1 billion in 2025, a 10% increase from \$231.2 billion in 2024. This growth is expected to continue with a 10.3% CAGR, reaching \$385.6 billion by 2029.

Key Benefits



Supply-Demand
Equilibrium



Grid Optimization



Precision
Prediction



Real-time
Monitoring



Seamless
Integration

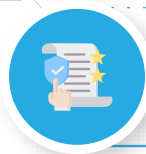


Cost Efficiency

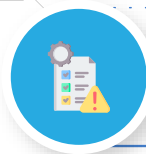
Features



Advanced
Data
Analytics



Regulatory
Compliance



Risk
Mitigation



User-
Friendly
Interface

Impacts

~70%
Cost Reduction

~3X
Risk Mitigation

~55%
Better Grid
Optimization

~5X
Enhanced
Sustainability