

Manage renewable energy distribution effectively while leveraging the Microsoft Azure technology

Do you want to drive **sustainable organization and become carbon neutral?**



As both sun and wind - the basis of **renewable Energy solutions** - are changeable, they are making power generation highly variable and dependent on multiple factors.



Our solution enables **mitigation of fluctuations** of renewable sources of energy, by establishing a network of warehouses that **absorbs excess energy and releases it when power is needed.**



Azure Machine Learning forecasting algorithms **accurately predict spikes in demand**, which helps **balance fluctuating energy levels.**

Solution features

- ✓ Real-time management of renewable sources of energy.
- ✓ Mitigation of fluctuation of renewable power sources.
- ✓ Collecting, processing, and analyzing data from various sources.
- ✓ Business decision based on user-friendly Power BI dashboard.
- ✓ Accurate prediction of spikes in demand and stabilization of the power grid.
- ✓ Warehouses that absorb and release the power when needed.

Our AI and IoT-based Green Energy Analytics System

Solution Objectives

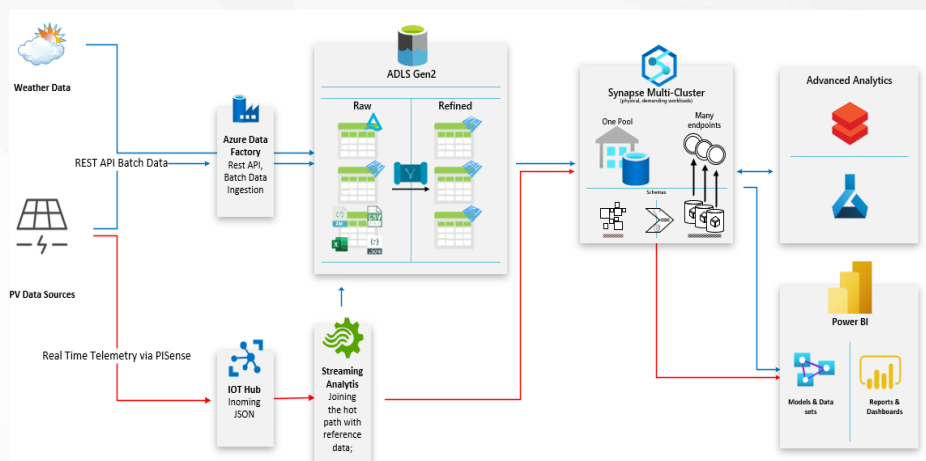
- **Reduce** the use of energy produced by conventional sources
- Introduce **Green Energy forecasting** to effectively manage supplies from renewable sources

Tactics

- Manage green energy levels and distribution using **Azure Machine Learning** capabilities
- Access **solar and wind energy production forecasts** via Power BI

Results

- **Real-time management** of dispersed green energy sources
- Flexibility and high performance at a reasonable cost



It's time to **push #sustainability further** in your organization!

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