

## Digital Energy Monitoring Platform



hopeCloud is a "1 center + 5 platforms" energy digital operation solution built by making full use of advanced technologies such as "Cloud Computing, Mega Data, IOT, AI, Blockchain", which can be applied to wind power, photovoltaic (PV), energy storage, charging, hydrogen production, energy use and other energy business scenarios. It aims to help energy enterprises establish digital energy operation base, realize the full life cycle management, visual monitoring and intelligent operation and maintenance (O&M) for energy projects and assets, so as to improve energy operation efficiency, accelerate the digital transformation of energy business, and create value.

- 1 center: Mega data center
- 5 platforms: Energy IOT Platform, Energy Management Platform, Energy Application Platform, Open API Platform and Low Code Development Platform

## | Key Function



### Comprehensive energy Panoramic monitoring

Provides comprehensive, multi-style, multi-channel energy data monitoring and display, to achieve efficient operation and visual management of energy production and consumption.



### Fault early warning Collaborative O&M

Accurately locate fault points, automatically push alarm notifications, and generate fault O&M work orders to achieve online and offline collaborative O&M.



### Power generation forecasting Operation support

Through the analysis of climate and environment monitoring data, predict the power generation data and income of energy power stations, to provide the basis for accurate decision-making for energy enterprises.

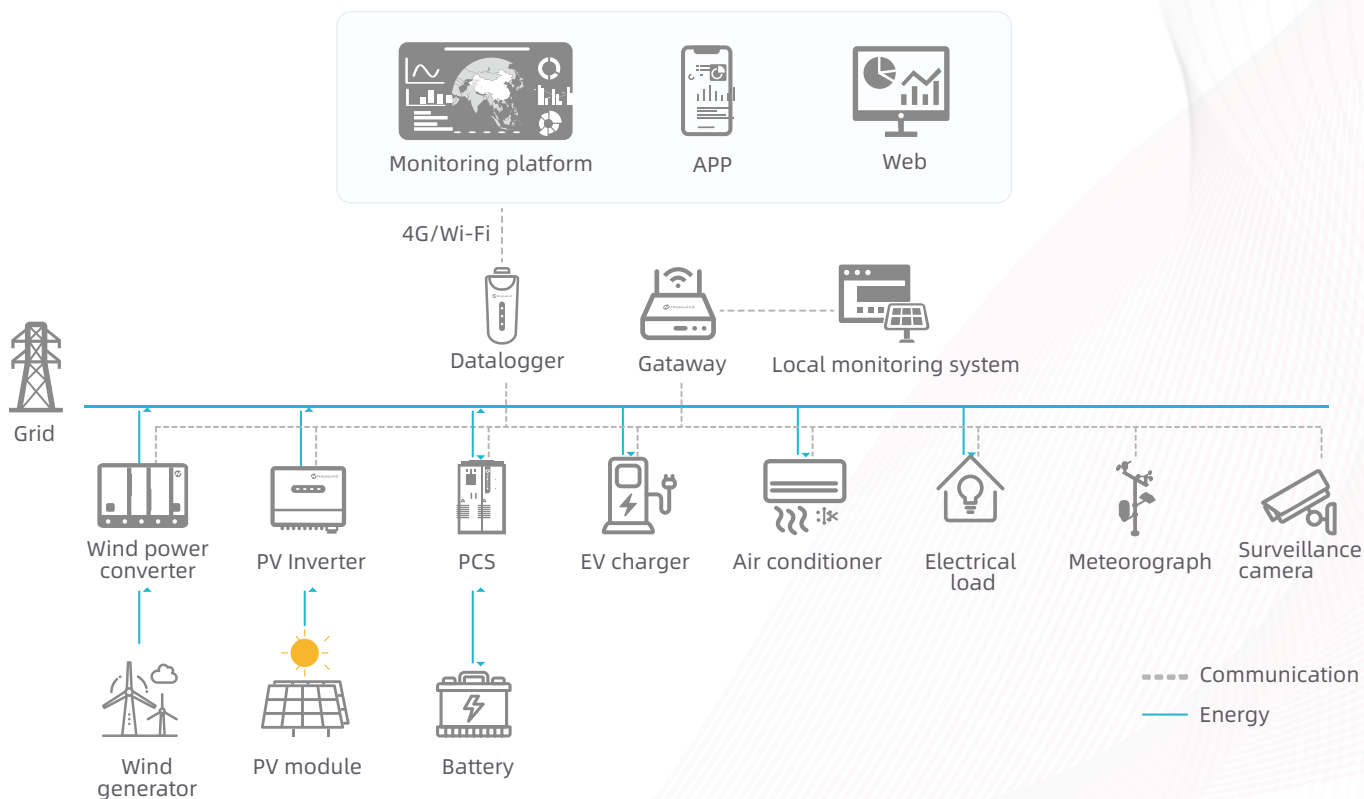


### Intelligent algorithm Health diagnosis


Establish scientific power generation analysis model, health diagnosis model and risk warning model to ensure the safety of power plant operation and improve power generation efficiency.




# Application Solutions




## Application Scenarios

 Optical storage and charging solution

 Utility-scale PV solution

 Intelligent microgrid solution

 Wind power monitoring solution

 Comprehensive energy solution

 Zero carbon management solution

# Platform Value



**Ensure the optimal allocation and safety of energy assets**

Integrate distributed energy sources such as landscape storage, realize the optimal allocation and intelligent scheduling of a variety of energy sources, and ensure the safety and reliability of energy operation.



**Reduce the consumption pressure of new energy**

Integrated digital technologies such as AI to achieve intelligent prediction, improve the power generation and utilization efficiency of new energy, and reduce problems such as wind and light abandonment.



**Reduce O&M costs, improve O&M efficiency**

Through real-time tracking of the whole process of energy production and consumption, realize the intelligence of energy O&M, and improve the work efficiency of various elements.



**Realize the innovation of energy business model**

Actively adapt to diversified user needs, fully tap the potential value of intangible elements such as data, and create new business opportunities and benefits.

