



Microgrid

EMS-102

Microgrid Management System

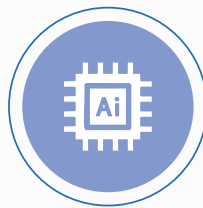
ICP's Microgrid is a smart energy solution centered on storage. It integrates solar PV, EV chargers, generators, controllable loads, and AI forecasting to enable peak shaving, contract optimization, and maximum renewable self-consumption while reducing over-capacity risks. In external disruptions, it seamlessly enters island mode to protect critical loads and ensure stable, compliant operations.

3 Key Features



BTM Evaluator

Proprietary evaluation software simulates optimal storage capacity and battery degradation curves, while projecting annual revenue and payback period.



AI applications

Provides load and solar forecasting to optimize storage strategies, with AI Clouda that simplifies operations and reduces staff workload.



Revenue Maximization

Beyond peak-shaving arbitrage, ICP's PowerTrade enables participation in Taipower's ancillary services, ensuring maximum return.

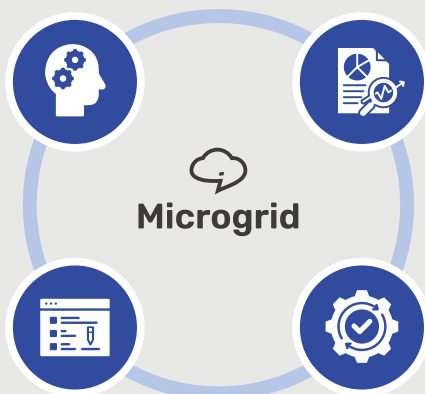
4 Key Functions

Real-Time Insights

Consolidates generation, consumption, storage, and key equipment data into a single view for instant system status and alerts.

Analysis & Revenue

Enables multi-meter comparison, custom queries, historical trend tracking, and data export to quantify revenues from peak-shaving/ ancillary services/ demand response.



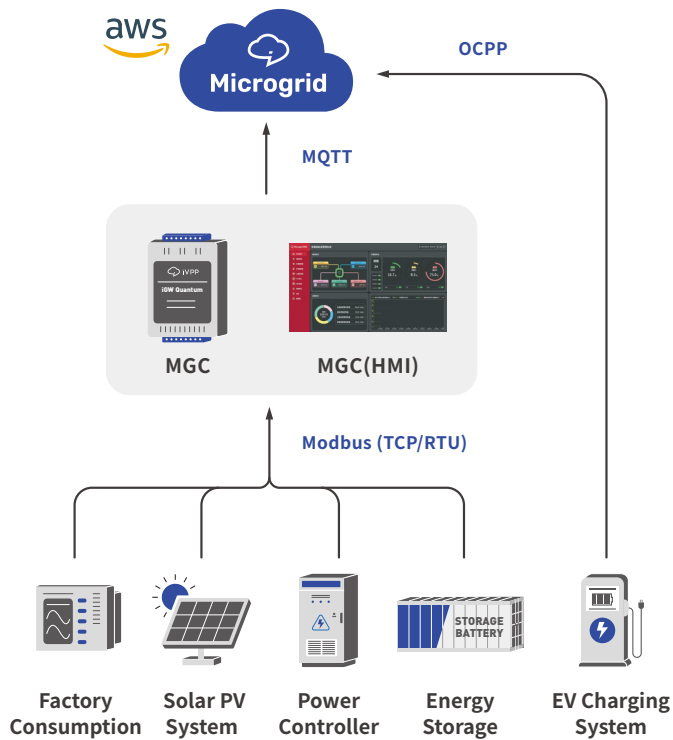
Control & Scheduling

Manages storage, microgrid, and PV-storage charging strategies with safeguards against backfeed and over-capacity. Offers flexible multi-period contract settings and a user-friendly calendar interface for effortless scheduling.

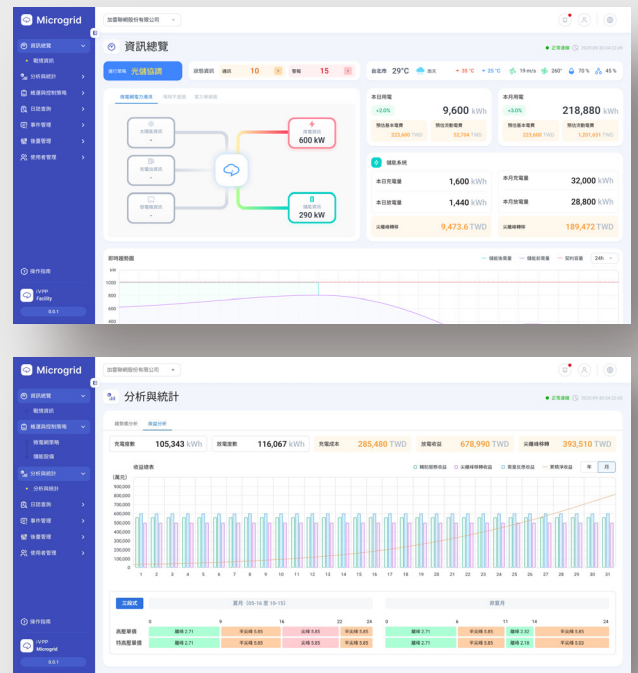
System Management

Provides multi-level alerts and secure role-based access, with flexible permissions tailored by site and function.

System Architecture



System Interface



Application Fields



RE100



Power Backup



Lower Electricity Costs

Success Cases



Industrial Parks



Commercial Buildings



Healthcare Facilities



Island Communities



Public Sector



加雲聯網
Intelligent Cloud Plus

service@icp-si.com

Kaohsiung
Headquarters

Taipei Office

Taichung Office

8F., No. 2, Zhonghua 4th Rd., Lingya Dist., Kaohsiung City
802031, Taiwan (R.O.C.)
TEL: 886-7-222-9669

2F., No. 271, Chongyang Rd., Nangang Dist.,
Taipei City 115010, Taiwan (R.O.C.)
TEL: 886-2-2651-0529

10F.-3, No. 658, Sec. 3, Taiwan Blvd., Xitun Dist., Taichung
City 407604, Taiwan (R.O.C.)
TEL: 886-4-2320-3052



Facebook



Company
Website