

YOU CAN DEPEND ON EnjoyElec

EnjoyElec, a sustainable energy digital services provider based on Al &Cloud, which focus on clean energy application to achieve carbonneutrality.

EnjoyElec excels in the field of home energy management(HEMS), battery storage system(BSS), vehicle to grid (V2G) charger and virtual power plants(VPP) across various clean energy ecosystems, leveraging energy Al, battery Al, IoT and big data to achieve carbonneutrality through the focus of clean energy applications.

Strategy Investors



VOLVO



PORSCHE VENTURES











EnjoyElec VIRTUAL POWER PLANT

Drive the low carbon future

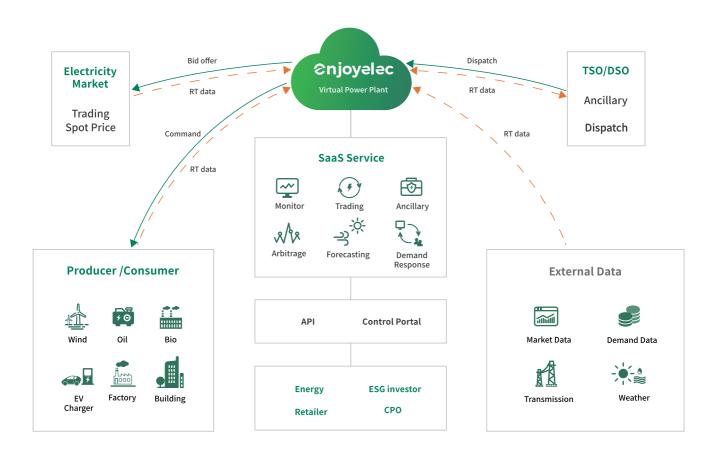
EnjoyElec's Virtual Power Plant (VPP) connects and aggregates various distributed energy resources, such as generation, battery storage, charging stations, electric vehicles and solar systems, to offer capacity and flexibility to different markets. Based on AI, IoT (Internet of Things) and big data technology, the real-time trading ability of the virtual power plant and the control strategy of edge EMS enable operation strategy maximizing revenue and provide valuebased asset management and portfolio optimization to relevant parties.

VPP SOLUTIONS BENEFITS

Balance supply and demand to reduce peak load

Improve overall energy efficiency

Boost customer enrollment and retention





EnjoyElec VIRTUAL POWER PLANT WITH ENERGY AI

Power Trading

Provide real-time access to day-ahead and intraday markets

Auto Bid

Automatically use different strategies to sell or buy electricity and maximize profits



Price Forecasting

Provide wholesale market forecasting services to reduce the risk caused by price fluctuations

Dispatch Algorithm

Optimize power dispatch schemes among different distributed energy resources



Accurate electricity price and quantity prediction



Reduce the difficulty of power scheduling



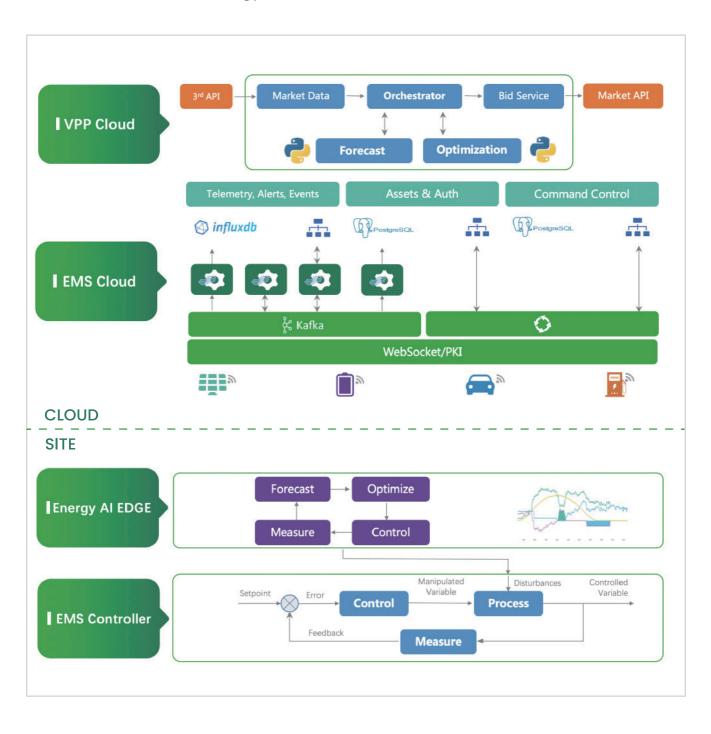
Maximize the portfolio management



Meet the diversified demands

EnjoyElec VIRTUAL POWER PLANT

From End-to-End technology architecture





IOT







EnjoyElec Home EMS

Optimize your carbon footprint in real time

EnjoyElec Home EMS integrates solar, battery storage, EV chargers and household appliances by controller into a single interface that can be monitored via a smartphone application, helping you optimize home energy costs, maximize green power consumption and connect your home to the grid.



Vehicle-to-Grid (V2G) Chargers

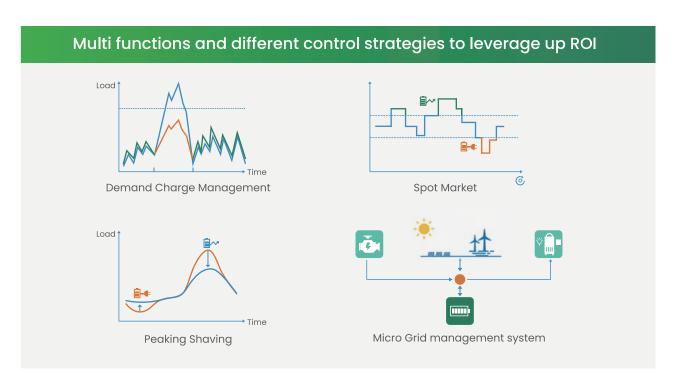


V2G technology unlocks the energy stored in your electric vehicle batteries so that you can support the grid when demand peaks, reduce your energy costs and support a low carbon future with the EnjoyElec bi-directional chargers.

EnjoyElec C&I EMS

Maximize energy asset value and minimize the operation cost

Leveraging advanced AI, IoT and big data technologies, EnjoyElec EMS expertly manages commercial and industrial customers' microgrid systems, delivering value-added benefits through a variety of strategic approaches.



Demand Charge

Optimize behind-the-meter storage, generation and consumption to reduce demand charge. Optimize against electric tariff structure.

EV Charging and V2G

Integrate and optimize electric vehicle charging stations, introduce the smart charging and V2G to load balance and lower price charge, and demand response.

Combined Solar & BSS

Explore the value of combined Solar and battery storage, balance the clean energy 100% consumption and spot price response, and demand response.

Increase Resilience Improve resiliency to supply power during extended outages, reduce the fossil generator CO2 emission.

EnjoyElecVirtual Power Plant

Based on Energy AI and Battery AI, EnjoyElec Auto bid provides value-based asset management and portfolio optimization, enabling owners and operators to configure operational strategies that maximize revenue according to their business objectives and risk preferences.

Participant:



Quantites(MV Price(\$/MWh)	v) Interval																					
BAND10	15198.5	5	4	27	5	27	10	24	0	0	0	15	0	11	0	15	27	14	27	0	27	0
BAND9	999	18	16	13	0	13	0	16	17	13	27	12	10	10	10	0	13	15	0	16	13	20
BAND8	750.45	0	0	0	10	0	0	0	0	0	13	0	0	0	0	10	0	0	13	0	0	0
BAND7	415.32	12	20	0	25	0	15	0	23	17	0	0	10	10	10	15	0	0	0	20	0	11
BAND6	214.34	5	0	0	0	0	15	0	0	0	0	13	20	20	20	0	0	11	0	0	0	9
BAND5	110.32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0
BAND4	20.91	0	0	0	0	0	0	0	0	0	0	0	10	0	0	7	0	0	5	0	4	10
BAND3	-64.01	5	0	0	0	0	0	0	2	10	0	0	0	9	0	0	0	0	0	8	10	0
BAND2	-383.43	12	0	1	0	0	0	1	0	0	16	19	7	0	0	5	12	0	10	0	0	24
BAND1	-920.17	12	0	7	2	0	0	1	10	0	0	0	2	5	0	7	13	0	23	17	21	0
BANDAVAIL MAX(MW)		69	40	48	42	40	40	42	52	40	56	59	59	65	40	59	65	40	78	71	75	74
CHARGE(MW)		0	12	0	0	3	26	0	0	15	0	0	0	0	11	0	0	4	0	0	0	0

BASED ON ENERGY AI AND BATTERY AI, EnjoyElec PROVIDE GREEN ENERGY BUSINESS FOR ZERO CARBON.



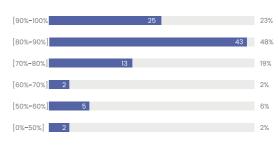
Based on the sustained exploration of massive data in the energy field, and the integration of technologies such as artificial intelligence, we aim to provide customers with more value by continuously optimizing our algorithms and promoting market dispatch behaviors.

85%

Multi-algorithm fusion intelligent optimization algorithm is used to achieve real-time monitoring of EnjoyElec algorithm accuracy. In the past 3 months, an 85% prediction accuarcy has been achieved, and 71% of predicted events are more than 80% accurate.







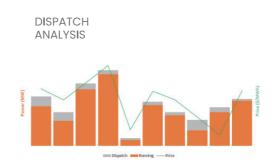
*EnjoyElec platform data for three consecutive months

84%

By utilizing intelligent optimization algorithms to continuously adjust price predictions and trading strategies, a bidding strategy has been developed to achieve an average execution efficiency of 84% and maximize profits.







*EnjoyElec platform data for three consecutive months

CASE STUDY

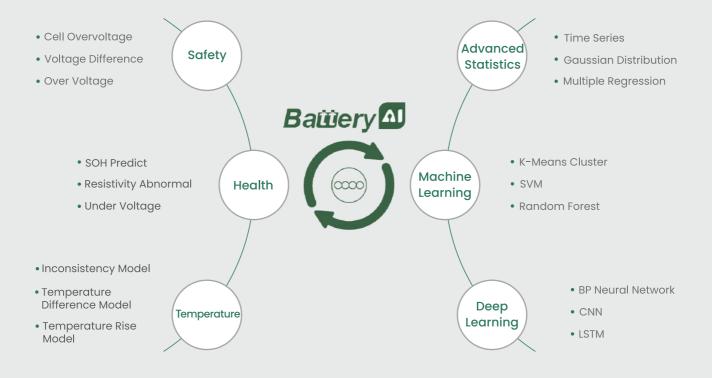
Based on the 100MW capacity participating in the electricity market, intelligentoptimization of the investment portfolio is achieved through multi-algorithmcomparison and intelligent optimization of trading strategies, maximizing revenue. Currently, the daily average revenue is maintained at \$534.86.

CAPACITY 100MW ENERGY 200MWH

AVERAGE PROFIT \$534.86 PER DAY PER MW

STABILITY AND SAFETY ENHANCED WITH AI

Combine with advanced statistics, machine learning, Deep Learning, Optimization Algorithm to support the stability and safety of the VPP system with battery storage.





BUILD A SECURE VIRTUAL POWER PLANT FORSMART GRID

Multiple aspects are considered to guarantee cybersecurity and privacy, including authority management, IT infrastructure, technical architecture design, internal testing, data protection, and personal privacy protection.



Development Process

- Agile development with different roles in DevOps andCI/CD process to guarantee the security at scale
- Automatic code security scanning and risk detection



Privacy Protection

- Compliance with GDPR
- Customer has the right to object or to demandrestriction of the processing and prohibit the direct marketing



Authority Governance

- Standard SOP Application for different environment authority (DEV/UAT/PRD)
- Organizational security measures in the form ofaccess restriction and authorization contro



IT Architecture Design

- AWS cyber security service powered in IT infraSpring Cloud micro services architecture design withspring security components in service level
- HTTPS/Oath 2.0 with secret key and encryptedchannel in communication level



Data Protection

- Sensitive date encryption
- Customer data isolation

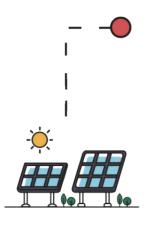


Penetration Testing

- Third party testing
- Security validation

EnjoyElec VIRTUAL POWER PLANT — EnjoyElec VIRTUAL POWER PLANT

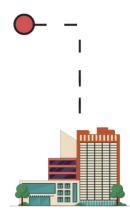












Solar Power

Wind Power

Battery Storage

Electric Vehicle

Smart Home

Commercial and Industrial













ENERGY DIGITALIZATION AI DRIVE THE LOW CARBON FUTURE

The future of energy is decarbonized and decentralized. We have built the most powerful platform and products for decentralized and digital green energy.



To achieve ESG goals of sustainable development, and guide to transitioning to Net Zero Carbon



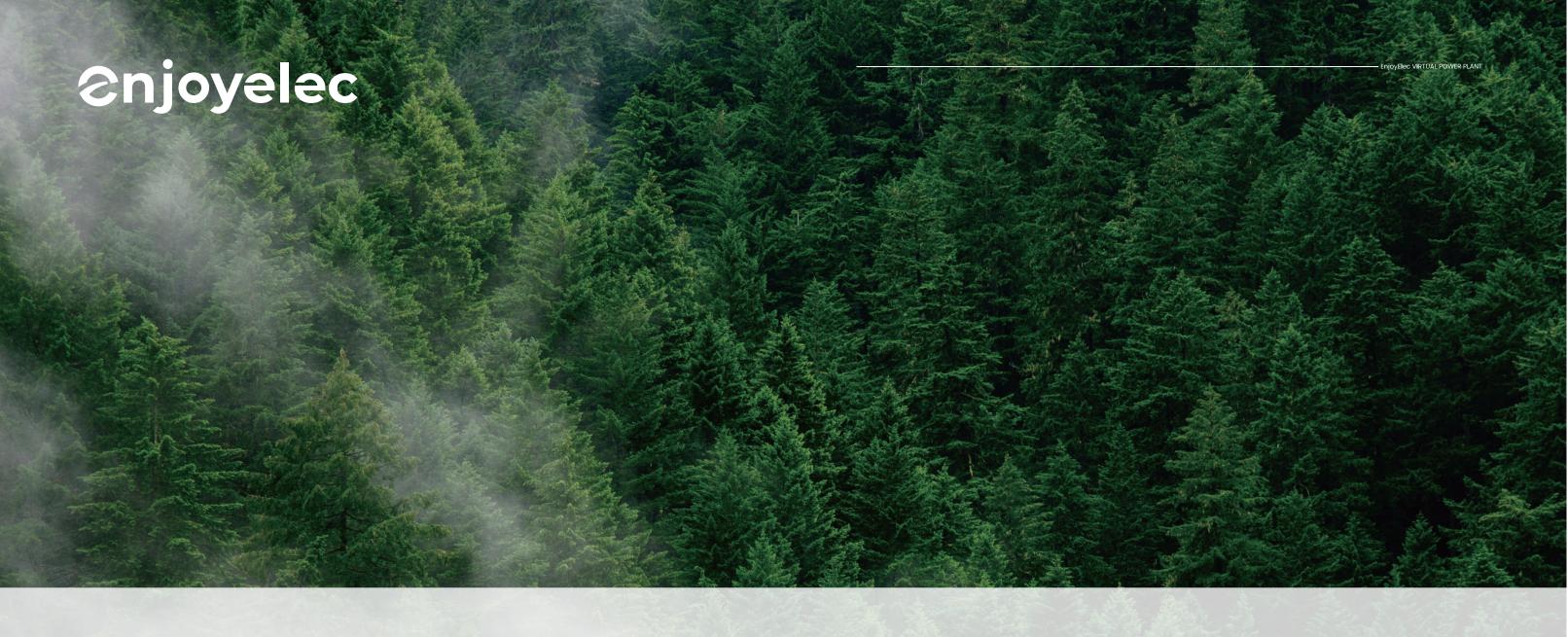
For the global energy sector move from fossil fuel-based to zero carbon to limit climate change.



To build a stability and secure power system, to make every one enjoy clean and affordable electricity.



For humans live on a sustainable planet with renewable energy sources.



DRIVE THE LOW CARBON FUTURE

Our mission is to drive the clean and low carbon future that everyone can enjoy affordable electricity and a sustainable community.

Enjoyelec

DRIVE
THE LOW CARBON
FUTURE

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