

INTELLIGENT PV & STORAGE POWER SYSTEM

HEGATECH

A PROFESSIONAL PV POWER SYSTEM SOLUTION PROVIDER

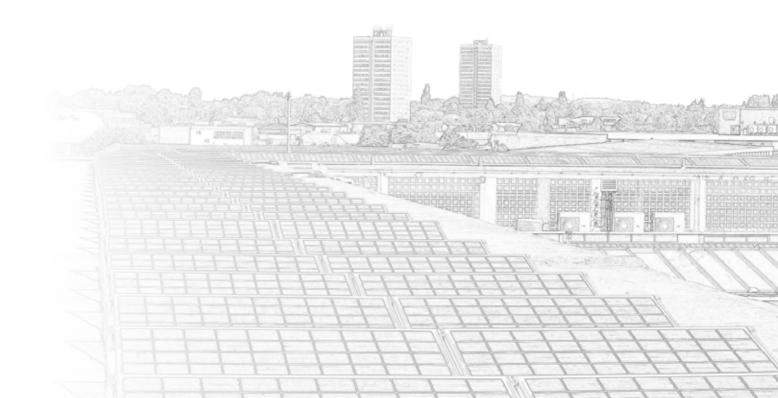
IMAGINATION INSPIRES CREATIVITY

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Industrial and Commercial PV Power Systems



"Carbon neutrality" and booming new energy surge under energy security

Under the growing tension over global energy, many industry leaders are paying more and more attention to decarbonization, "clean" technologies, and fully renewable resources, meanwhile continuously exploring the possibility of a permanent shift to zero-carbon renewable energies. Following the trend, executives and investors in the energy industry around the world are adjusting their energy transformation strategies in order to secure adequate energy supplies in the short term, preferably low carbon.

Facing the fierce geopolitical and economic competitions, as the major form of new energy, PV power is urgently needed worldwide, especially in Europe and the U.S. Speeding up the localization of full supply chain in PV industry is not only critical to national energy security, but also necessary for the development of high-end manufacturing and the participation in the global new energy competition in the future.

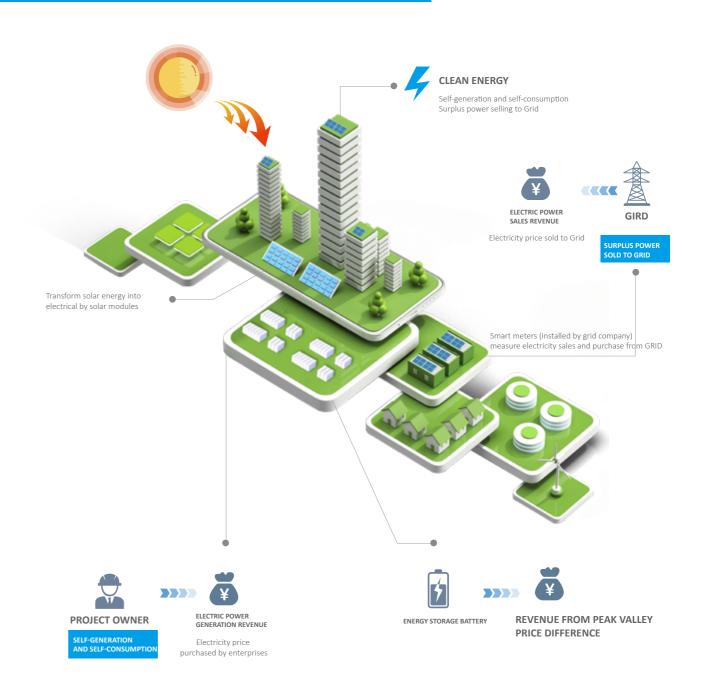
At a time when mankind is facing a tough challenge of the energy consumption gap, we still have a magic solution to the problem of supply-demand matching of electric power, i.e., creating a new power system that is secure, clean, reliable, and intelligent by extensively developing PV and energy storage technology, digitalizing and intellectualizing the power system, as well as coordinating the integration of load and storage between source and network from the top level.

Relying on rich experiences in PV projects and robust industry chain, HEGATECH matches the high-performance PV power plant system products from the sources and is committed to providing secure and intelligent power system solutions for industrial and commercial purposes. HEGATECH helps customers build up new energy power system with full life cycle services by providing "one-stop" PV and energy storage (or PV only) power plant solutions.

Industrial and commercial PV with Energy storage application mode

2

ECONOMIC VALUE OF PV POWER SYSTEM





INDUSTRY & COMMERCIAL PV POWER SYSTEM



ECONOMIC VALUE OF INDUSTRIAL AND COMMERCIAL PV POWER PROJECTS



FIXED ASSETS INCREASEMENT

Revitalize roof resources and increase enterprise income

- · High revenue: 1MW PV system/ annual income is about 126 thousand €
- · Long-term revenue: short-term investment, long-term revenue of 25 years, total revenue is about 3.17 million €
- · Short return cycle: Be benefits in quick return
- · Low investment risk: Guaranteed revenue

ENVIRONMENTAL VALUE OF INDUSTRIAL AND COMMERCIAL PV POWER PROJECTS



lower the temperature and save the air conditioning fee



Protect the roof and save maintenance fee



Green Energy to each investor



CARBON EMISSIONS TRADING

For key emission companies such as petrochemical, chemical, building materials, steel, non-ferrous metals, paper making, electricity, aviation, and others, it could save costs by purchasing carbon emissions. The green energy generated by PV power system can be sold as carbon emission allowances, it could be listed and be profited.



BUSSINESS MODE

SPPA (SOLAR POWER PURCHASE AGREEMENT)

The owner's roof is rented for free, and the PV power station provides the owner with electricity at a low price.

MUTUAL COOPERATION MODE

Jointly invest in the rooftop power station, and share the power station income

ENTERPRISE INVESTMENT MODE

Advantage:

- · Electricity discount to cost
- · Financial risk-free
- · No investment

Advantage:

- · Construction can begin with low investment amount
- ·Low electricity prices save cost and get a part of revenue

Advantage:

·High return on investment, short payback period

ONE-STOP SOLUTION MAKES INVESTMENT EASIER



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REVENUE MODEL

500KW industrial rooftop PV project in Wuxi, Jiangsu

COOPERATION MODE	ENERGY MANAGEMENT	CO-CONSTRUCTION	INVESTMENT BY FACTORY
Construction scale (kW)	500	500	500
Land area (m²)	5,000	5,000	5,000
Construction investment (CNY)	1,900,000 1,900,000		1,900,000
Self-use rate	90% 90%		90%
First year power generation (kWh)	530,000 530,000		530,000
Electricity price(CNY/kWh)	0.84	0.84	0.84
Electricity preferential price(CNY/kWh)	0.72	0.72	_
Saving electricity price(CNY/kWh)	0.12	0.12	_
Annual electricity fee savings (CNY)	57,240.00	57,240.00	400,680.00
25yrs electricity fee savings (CNY)	1,431,000	1,431,000	10,017,000
De-sulfur electricity price(CNY)	_	_	518,075.00
ROI period	7 years	7 years	5.5 years

 $[\]cdot$ Emission reduction: Each electricity generation of 1 kwh= 0.35kg of standard coal=0.997kg of CO2=0.03 kg of SO2

COOPERATION



[·] Thermal insulation: The roof covered by PV modules which has good ability of thermal insulation and energy consumption reduction.

[·] Investment cost is effected by market changes.

HEGATECH NEW ENERGY

COMPANY PROFILE

WUXI CITY HEGUANG NEW ENERGY TECHNOLOGY CO., LTD.



HONOUR

Founded in 2013, HEGATECH is engaged in the R&D, production and sales of solar products from silicon filament, silicon rod, graphite and quartz products to solar modules and PV system related products in PV industry, providing professional PV industry chain solutions for global customers. We are committed to being a global leader in PV industry.

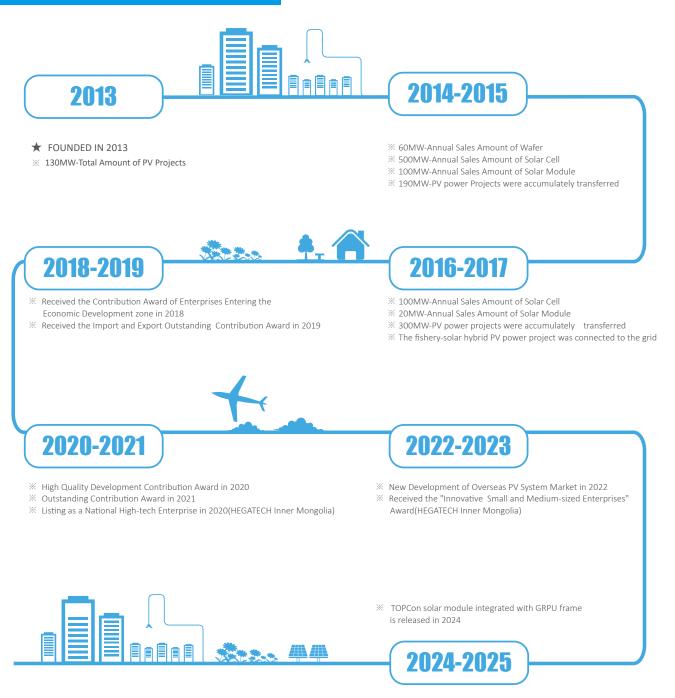
Relying on the integration and optimization of superior resources of PV industry, HEGATECH adheres to empowering customers more value with an vertically integrated whole industry service platform. HEGATECH's products are sold to more than 20 countries around the world such as Europe, North Africa and Asia & Pacific. We are experienced in the development and investment of PV Power System including industrial & commercial and residental PV system, while actively expanding the diverse-field application scenarios of PV products.

With the aspiration of achieving a global green future, HEGATECH strategically layouts the core industry links of PV industry chain to improve the company's competitiveness, and create new strengths. We continuously contribute to optimize power consumption to a clean energy times.



3.2

DEVELOPMENT HISTORY



3.3

PRODUCTION BASES & GLOBAL MARKET





Global Market and Sales Network

Germany	Russia	India	Japan	Changji, Xinjiang	Xining, Qinghai
Poland	Bulgaria	Vietnam	Palau	Urumqi, Xinjiang	Leshan, Sichuan
Italy	Egypt	Malaysia	South Korea	Baotou, Inner Mongolia	Baoshan, Yunnan
France	UAE	Australia	Kazakhstan	Bayannur, Inner Mongolia	Ordos, Inner Mongolia

Production Bases

Portugal

Congo

Inner Mongolia Heguang New Energy Co., Ltd
Inner Mongolia Heguang Graphite Technology Co., Ltd
Ninaxia Heguang New Material Co.. Ltd
Ningxia Hejia New Energy Co., Ltd

Ninaxia Heguang Quartz Technology Co., Ltd
Jiangyin Fangxin PV Technology Co., Ltd
Jiangsu Hetong New Energy Co., Ltd
Wuxi Heguang Intelligent Equipment Manufacturing Co. Ltd

PROJECT CASES

PROJECT CASES









Wuxi Yulong Steel Factory Rooftop PV Power Project



2.6 MW

Yilin Aluminum Industry Factory Rooftc PV Power System



Bosideng Logistics Factory Rooftop PV Power System



Bosideng Clothing Company Rooftop PV Power System



Xinchao New Energy Factory Rooftop PV Power System



hangjiagang Xinchangmaoye Factory ooftop PV Power System

rid-connected in 2023



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RESIDENTIAL PV POWER SYSTEMS







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Location: Palau Capacity: 2MW

Grid Connection Time: 2022/2023





Project: Residential PV Power System in Germany

Location: Germany Capacity: 7KW

Grid Connection Time: 2023



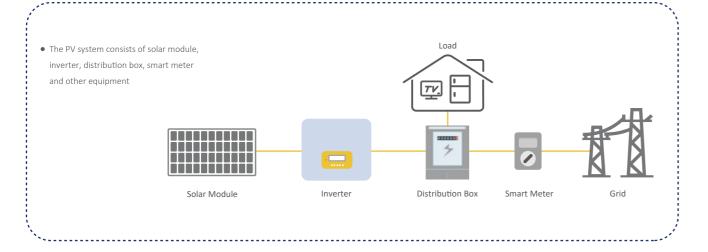


Project: Clinic Rooftop PV Power System in Portugal

Location: Portugal Capacity: 25KW

Grid Connection Time: 2023

System Schematic Diagram



INDUSTRIAL & COMMERCIAL PV POWER SYSTEMS





Project: Sunlit Factory Rooftop PV Power System in Wuxi

Location: Jiangsu, China Capacity: 0.3MW

Grid Connection Time: 2023





Project: Xinchangmaoye Factory Roof PV Power System in Zhangjiagang

CREATIVITY

Location: Jiangsu, China Capacity: 0.4MW

Grid Connection Time: 2023



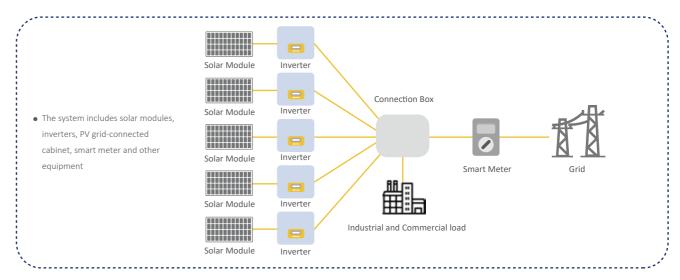


Project: Commercial PV Power System in Poland

Location: Poland Capacity: 360kW

Grid Connection Time: 2023.07

System Schematic Diagram



IMAGINATION INSPIRES 15