PIONEER
in Electrical Innovation

ENGINE
of Energy Transition

PRACTITIONER
of Ecological Solution

Building a World-Leading Electrical Equipment Manufacturer and Power System Service Provider

Company Profile

XJ Electric Corporation, affiliated to China Electrical Equipment Group Co., Ltd., is a leading enterprise in the power equipment industry in China and focuses on five core businesses of UHV, smart grid, new energy, electric vehicle charging and battery swapping, rail transit and industrial intelligence, and vigorously develops emerging businesses such as hydrogen energy, advanced energy storage, smart microgrid, intelligent operation and maintenance, and power IoT. Its products are widely used in all aspects of the power system.

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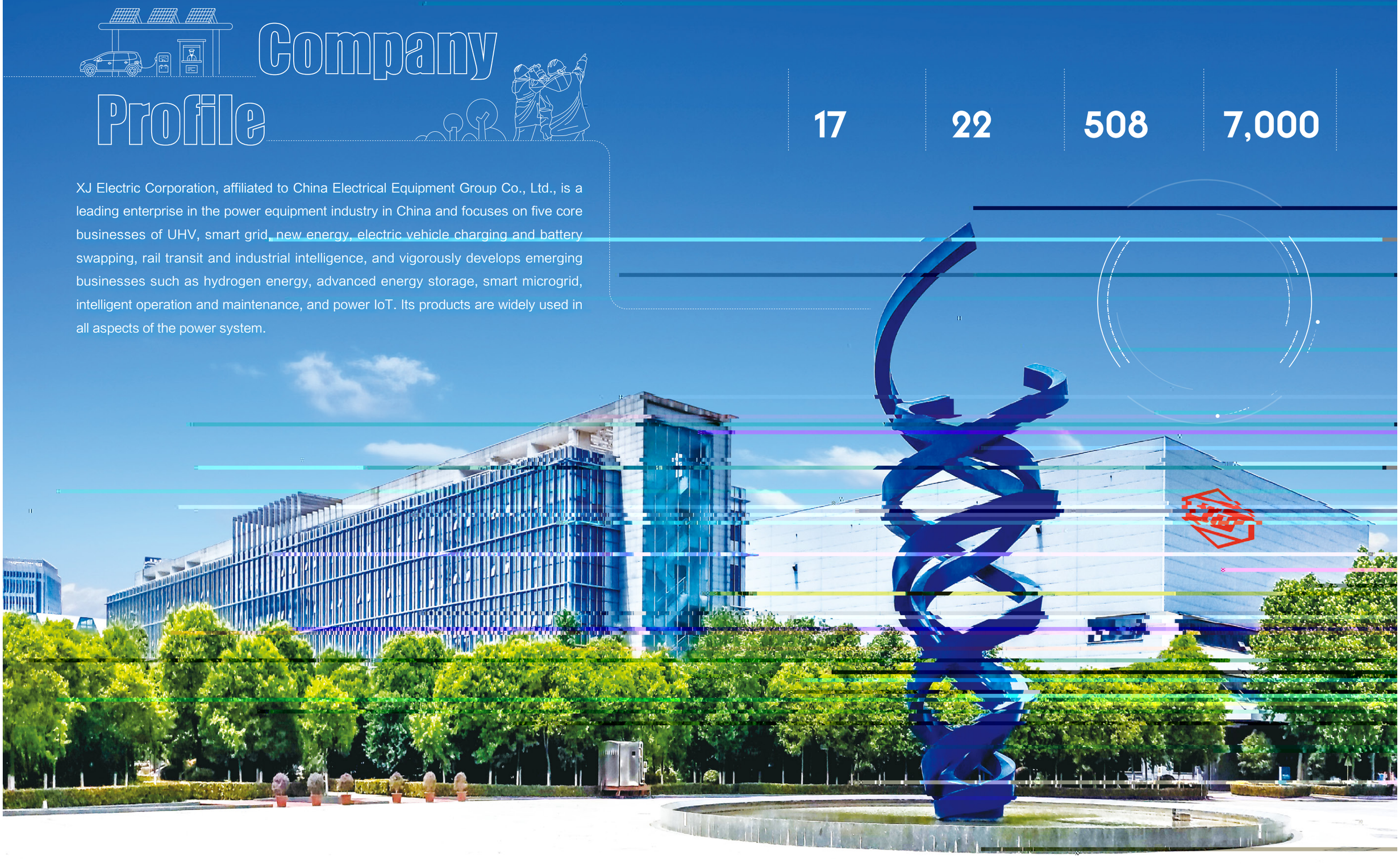

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R&D
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Three Core Basic Technologies

Standardization Technical Committee

Standard Formulation

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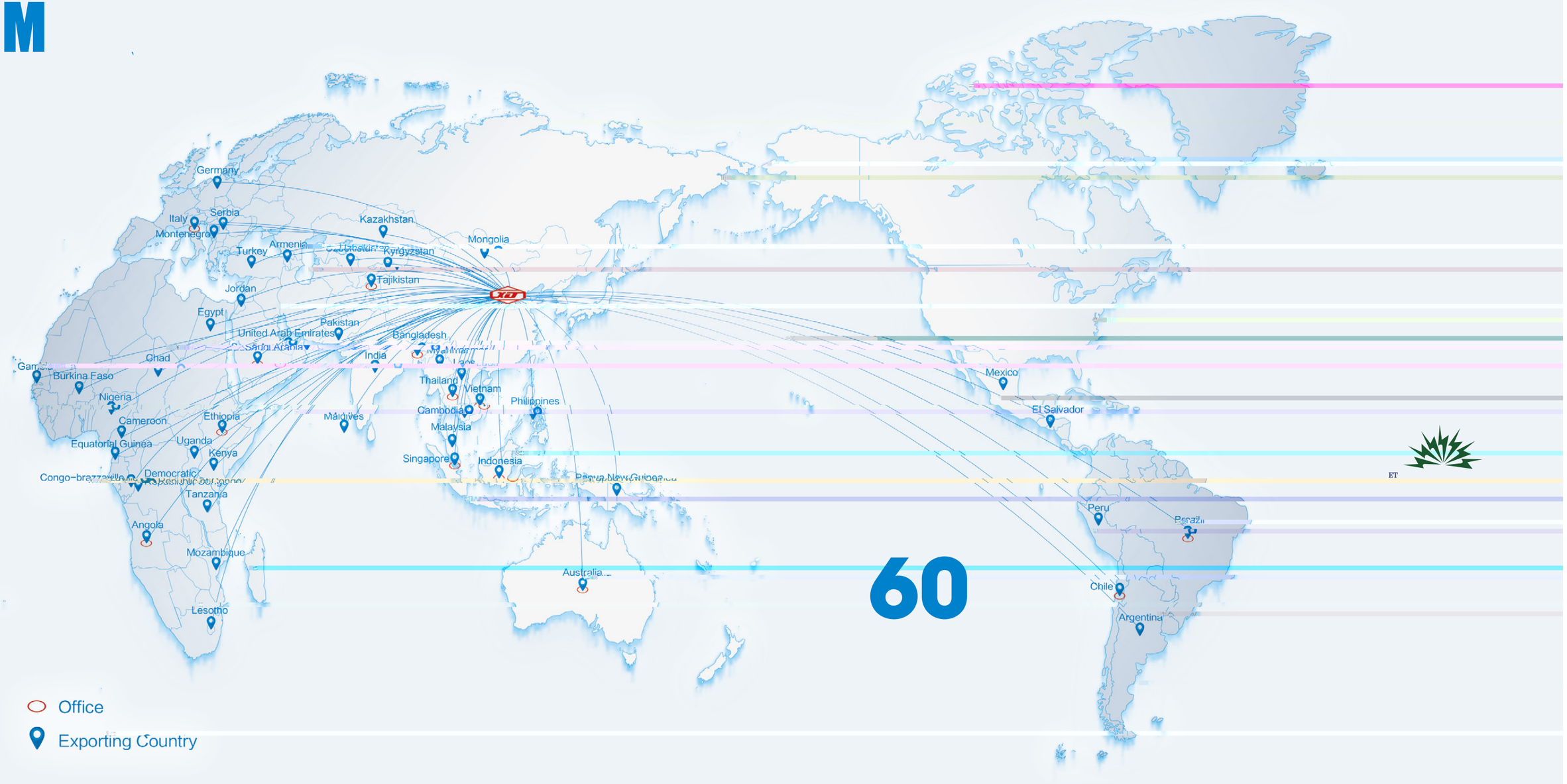

XJ is accelerating its international development, and has extended its presence in Southeast Asia, South Asia, Central Asia, Africa, South America, the Middle East, and Europe, among other markets. XJ's products have been successfully deployed in over 60 countries and regions worldwide. Through the provision of premium quality products and comprehensive technical services, XJ has established a strong and positive reputation in the international market, garnering widespread recognition and acclaim from customers across the globe.

FOUNDRY2
PLANT

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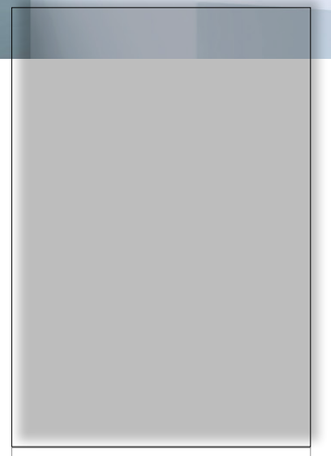
XJ possesses professional qualifications including power engineering design, EPC contracting, operation and maintenance services, testing and measurement, information system integration, and import & export.

XJ actively promotes international certifications for its products. A total of 13 product categories, encompassing more than 70 different models, such as meters, switchgear, transformers, photovoltaic inverters, transmission line protection devices, and others, have successfully passed international testing and certifications by renowned organizations like KEMA, TÜV, and CESI.



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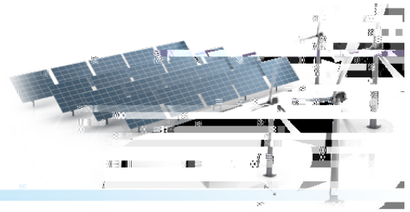


XJ is competent to provide the following solutions and products in the field of power generation

Hydropower | Thermal Power Generation | Wind Power Generation | Nuclear Power Generation | PV Power Generation | Offshore Wind Power Transmission

Core Products

- DC Control and Protection Device
- Prefabricated Cabin
- Prefabricated Substation
- Switchgear
- Gas Insulated Switchgear
- DC Power Supply
- Dry-type Transformer
- Reactor
- Arc Suppression Coil
- VSC-HVDC Converter Valve
- Inverter
- Power Conversion System (PCS)
- Reactive Power Compensation Device

Intelligent PV Power Station Solution

XJ offers customers the integrated one-stop operation service covering resource development, consulting and design, investment and construction, as well as EPC general contracting, supply of electrical equipment complete sets, power plant operation and maintenance services, etc.

Asia's Largest

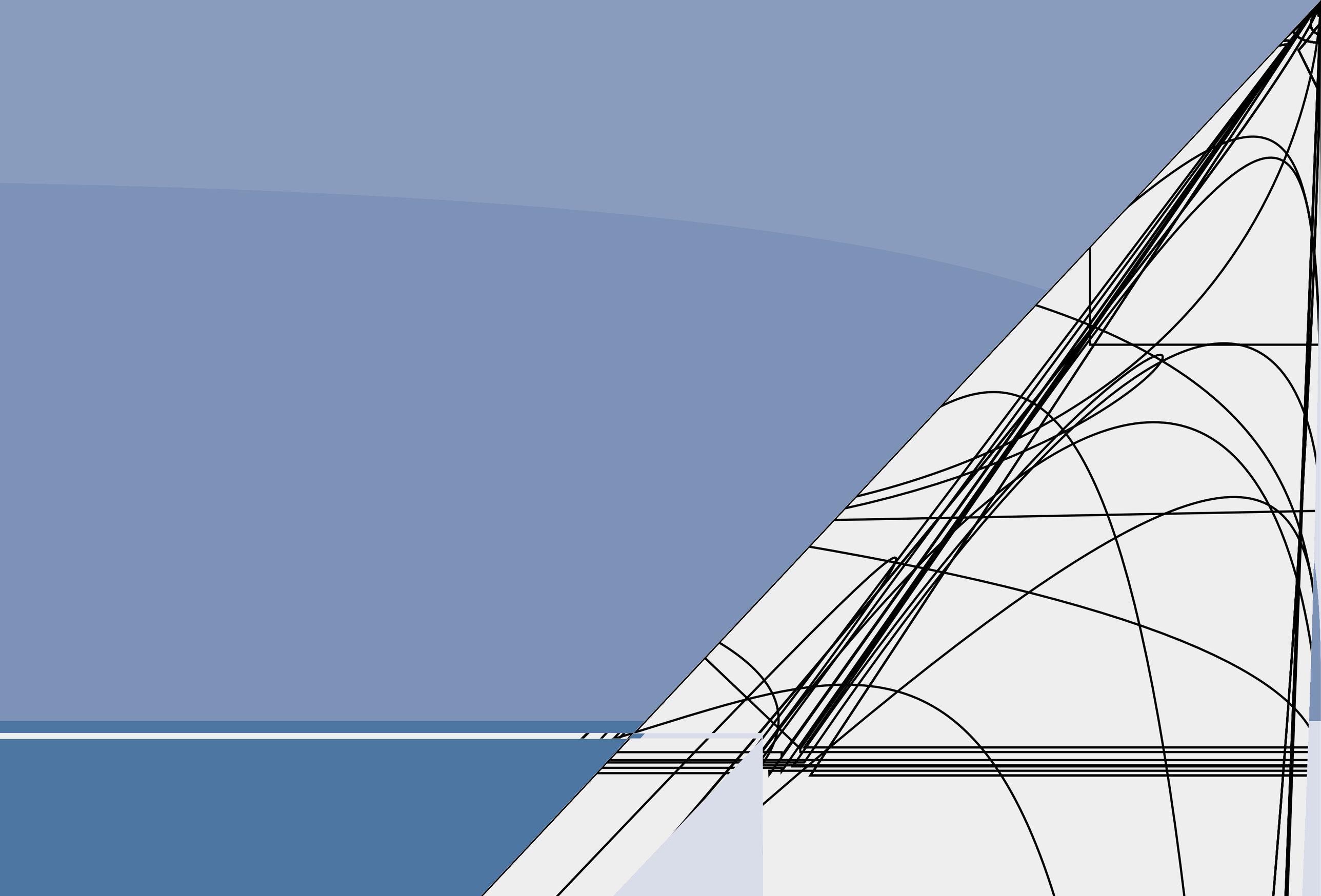
Xiongan High-speed Railway Station

Roof PV Power Generation Project

VSC-HVDC Transmission for Offshore Wind Power

Based on its deep research of offshore wind farm modeling, grid support control strategy and fault ride-through control strategy, XJ has developed the core equipment such as VSC-HVDC converter valve and control and protection systems specifically designed for offshore wind power transmission applications.

Three Gorges Rudong Offshore Wind Power VSC-HVDC Transmission Project



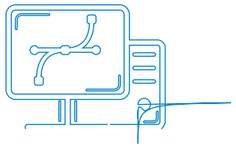
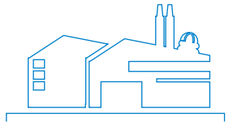
DC Control and Protection

XJ owns a complete set of DC control and protection equipment series, namely DPS-3000 and DPS-5000, featuring fully independent intellectual property rights. These devices are designed to meet the requirements of UHVDC transmission lines rated ±1100 kV and below, HVDC transmission, as well as VSC-HVDC transmission projects.

Successful Applications

- ±800 kV Northern Shaanxi – Wuhan UHVDC Transmission Project
- ±800 kV Yunnan – Guangdong UHVDC Transmission Project
- ±660 kV Ningdong – Shandong HVDC Transmission Project
- ±660 kV Pakistan Matiari – Lahore HVDC Transmission Project
- ±500 kV Yunnan – Guizhou Three Terminals Interconnection Project
- ±420 kV Chongqing – Hubei VSC-HVDC Back-to-back Interconnection Project

It is widely used in the construction of substations across power grid stations, renewable energy generation booster stations, traction substations for railway transportation, and industrial and mining substations.
It has been used in markets such as Ethiopia, Argentina, and Chile.

- 750 kV Substation in Shapotou, Ningxia
- 220 kV Step-up Substation of 50 MW Wind Power Project in Jinhu, Jiangsu Province
- 330 kV Substation in Nanshuo, Qinghai
- 220 kV Substation in Dashi, Chongqing
- 220 kV Substation in Yunxian County, Hubei Province
- 110 kV Substation in Zhongshan, Guangdong Province

Intelligent Primary Equipment

XJ can provide users with a range of equipment, including 220 kV and below oil-immersed power transformers, GIS, HGIS, MV series switchgears, switchgear components, dry-type transformers, combined wind-solar transformers, reactors, arc-suppression coil, and LV AC and DC switchgears.

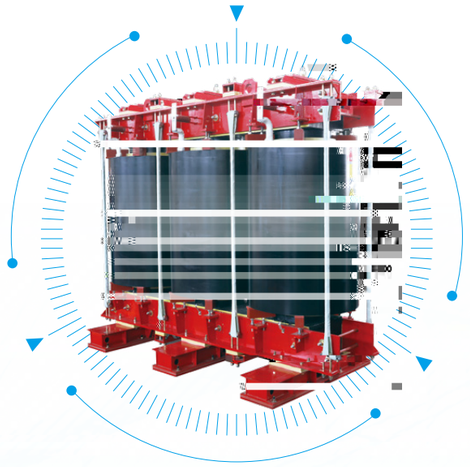
Products are widely applied in sectors such as power grid, transportation, metallurgy, petroleum, chemical engineering, coal, and are exported to numerous countries and regions across Southeast Asia, Africa, and Europe.

ZHW12-40.5kV Hybrid Gas-insulated Metal-Enclosed Switchgear (HGIS)

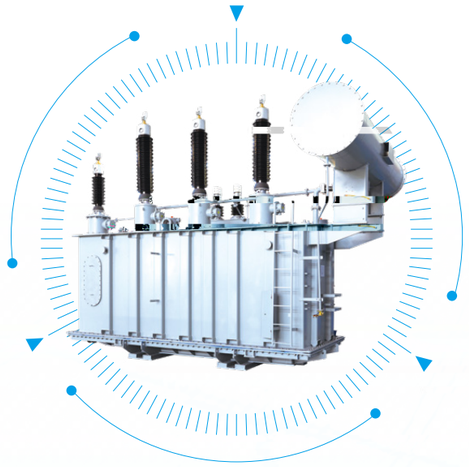
KYN Series Metal-clad Switchgears

SGC1 Air-insulated Switchgears

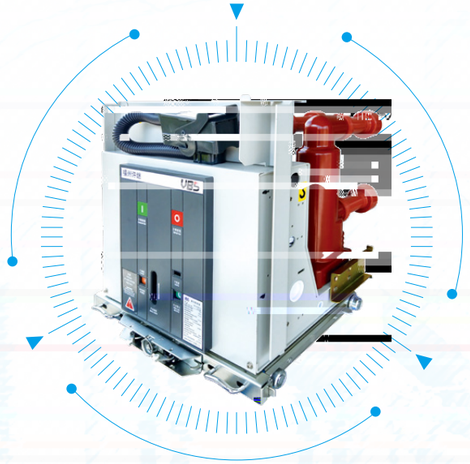
KEM Series Gas Insulated Switchgear



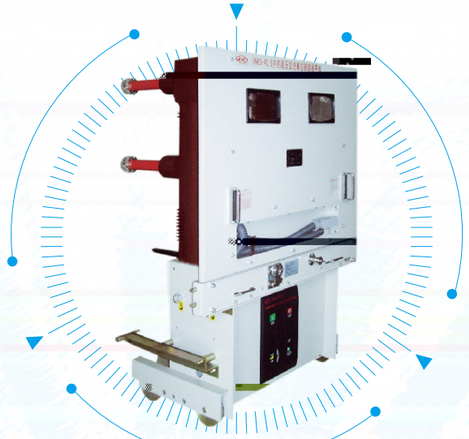
10kV-35kV Dry-type Transformers



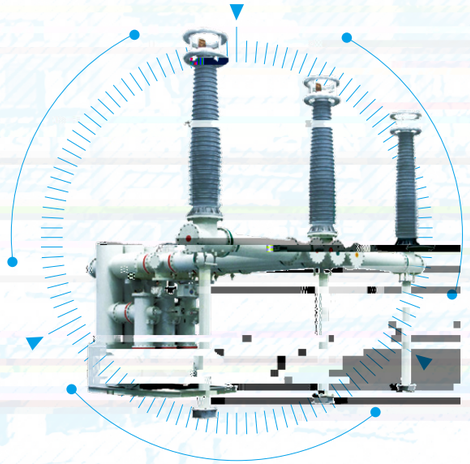
10kV-220kV Oil-immersed Transformers



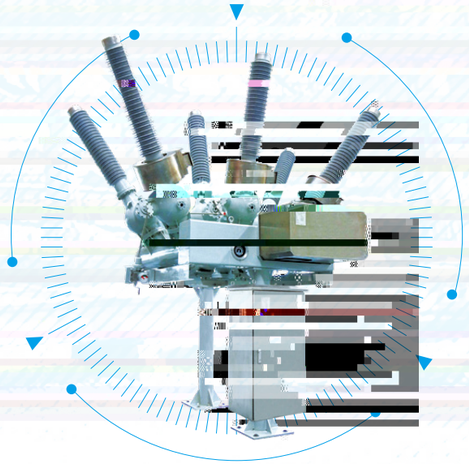
VX3 Vacuum Circuit Breakers



ZN85-40.5 Indoor High-voltage Vacuum Circuit Breakers with Solid Insulation



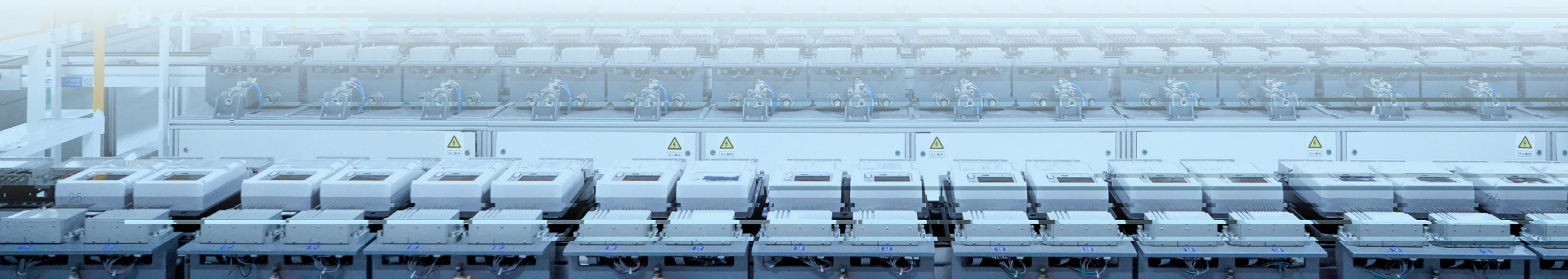
GIS-252kV Gas-insulated Metal-Enclosed Switchgear (GIS)



ZF48-145kV Gas-insulated Metal-Enclosed Switchgear (GIS)

Smart Metering Solutions

AMI is a complete network combing system for measuring, collecting, storing, analyzing and using user power information. The AMI system is the infrastructure of the smart grid, supporting the functions of two-way communication, real time electricity data, prepayment and so on. It is the trend of the future development of intelligent measurement.



05 EV C

EV Charging Solution

Annual production capacity of

sets of AC/DC chargers

Annual production capacity of sets

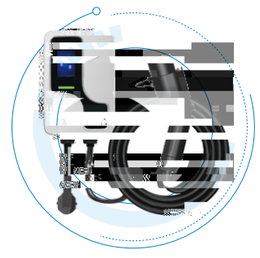
of complete charging and swapping station equipment

XJ independently develops nine major categories of over 40 product models, including AC and DC EV chargers, tailored to various vehicle types and charging scenarios. Offering end-to-end intelligent charging and swapping solutions, XJ provides customers with comprehensive services, ranging from network planning, scheme design, equipment integration, EPC turnkey packages, to O&M services.

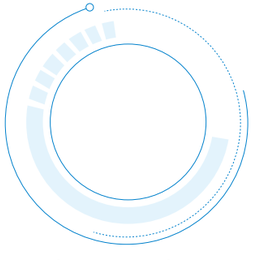
iZCJ36
AC/AC 7kW
Charger

iZCJ33 AC/AC
7kW/11kW/22kW
Charger

iZCJ33 AC/AC
7kW/11/22kW
Charger

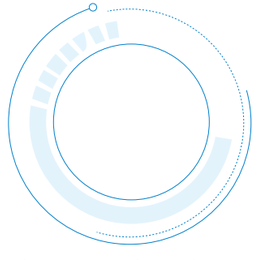


iZCJ33 AC/AC
7kW/11kW/22kW
Charger



iEVSC31 AC/DC
30kW Low-power
Series

iEVQC31 AC/DC
60kW – 90kW Integrated
Machine Series



iEVQC33 AC/DC 60kW –
180kW Integrated Machine
Series

iEVC8200 AC/DC
240kW – 480kW Group
Control Series

Shandong Jinan High-speed
Railway East Station Bus Parking
Lot High-power Charging System

Solar-storage-charge Integrated Charging Station in Xiong'an New District Civic Center Parking Lot

06 ES

Prefabricated Energy Storage System Solution

10+GWh
Cumulative Supply of Energy Storage PCS

200+
Cumulative Participation in the Construction of Energy Storage Power Stations

15+GW
Annual PCS Capacity

Prefabricated energy storage systems are a commonly utilized configuration for large-scale energy storage projects, integrating features such as lithium iron phosphate battery packs for energy storage, power conversion systems (PCS), transformers, battery management systems (BMS), energy management systems (EMS), and interconnected fire control systems. These systems boast high levels of integration, large energy density, and versatility across a variety of applications.

Haixi Autonomous State Multi-energy Complementary Integrated Optimization Demonstration Project
Energy Storage Power Station

07 SM

Microgrid Solutions

XJ provides core technologies, products and complete sets of systems such as microgrid controller, microgrid energy management system and microgrid system integration and has the EPC general contracting capability of smart microgrid system.

Successful Applications

- Longyangxia Hydro-Solar Hybrid Microgrid Demonstration Project
- Nanji Island Microgrid Demonstration Project
- Zhuhai Wanshan Island Microgrid Demonstration Project
- Roof PV Power Generation Project of Xiongan Station Building on Beijing-Xiongan Intercity Railway

Xiongan Green and Intelligent Microgrid Demonstration Project

Distributed Power Supply and Microgrid Control Management System

Zhejiang Nanlu Island Microgrid Demonstration Project

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- ±660 kV Matiari – Lahore HVDC Transmission Line in Pakistan
- 600MW Back-to-back Convertor Station in Van, Turkey
- EPC Project of 81MW Heavy Oil Power Generating Plant in Athi River, Kenya
- Turnkey Project of Multi-Purpose Diesel Engine Works of Union of Myanmar
-

Power Distribution and Utilization, and Rail Transit

- AMI System and Smart Meter Project (Phase I) of CGE, Chile
- AMI System and Smart Meter Project (Phase II) of CGE, Chile
- MV Metering Project of Enel, Italy
- Single-phase Meter Supply, Burkina Faso
- Smart RMU Supply to SEC, Saudi Arabia
- Bulk Procurement of Distribution Network Parts and Equipment Supply for 70 Mini-Grids, Ethiopia
- Construction for LV Secondary Network Regularization and Supply of Pre-paid Meters, ENDE- Empresa Nacional de Distribuição of Angola
- Supply of connection materials, ready-boards and pre-paid metres, Uganda Rural Electricity Access Project (UREAP), Rural Electrification Agency, Uganda
- Electricity Meter Supply, Bangladesh
- Rail Transit Orange Line Project in Lahore, Pakistan
- Laos-China Railway Project

Ring Main Unit Project in Saudi Arabia

AMI Meter Project of CGE, Chile

ARENA LV Distribution Network Power Quality Management Demonstration Project in Australia

New Energy, Charging and Battery Swapping

- BorWin6 Offshore Wind Power VSC-HVDC Transmission Project in Germany
- BESS Energy Storage Project in Chile
- Electrical Supply Project of 70MWp Solar Power Station in Lesotho
- LMA PV Storage Power Generation Project in Argentina
- Wind and PV Energy Storage Project in Tajikistan
- Calatrava Wind Power HV Transmission Project in Philippines
- Supply of Electric Vehicles Charging System (EVCS) for Electric Buses, Operation and Maintenance Project in Singapore
- EV Charger Supply,Thailand

Electric Bus Charging Station Project of Land Transport Authority of Singapore

Control Cabin of PV-Storage Power Generation Prefabricated Cabin Project in Argentina