科林电气
KE ELECTRIC

# KE ELECTRIC PROFILE

KE Electric,a Shanghai A-share main board listed company (stock code: 603050),established in 2000,had a total asset of 5.18 billion CNY at the end of 2024,with annual sales revenue of 4.1 billion CNY. Located in Nanjiangbi Hongqi St,Luquan District,Shijiazhuang City,Hebei Province,the company occupies more than 98.8 acres,divided into the South Park,North Park,and KE Industrial Park.It is a national key high-tech enterprise that integrates the research and development,production,sales,and service of power equipment,as well as a national pilot enterprise for the integration of the Internet and industry.The company is dedicated to serving the power construction of global clients in industries such as power grids,railways,chemical metallurgy,and providing primary and secondary power equipment and smart power system solutions,and striving to build an intelligent blue power grid.





## STANDARDIZED MANAGEMENT >

The company's management is scientifically standardized and has passed the ISO9001 Quality Management System certification, ISO14001 Environmental Management System, ISO45001 Occupational Health and Safety Management System certification, ISO27001 Information Security Management System certification, ISO20000 IT Service Management System certification, and ISO10012 Measurement Management System certification. In 2020, it was awarded the "**Hebei Provincial Government Quality Award**".



## TECHNICAL STRENGTH >

The company has an independent research and development institution with over 400 personnel, adhering to the development philosophy of "market demand as the guide and technology taking the lead". It has established academic exchange and cooperation with many higher education institutions such as Tsinghua University, Shanghai Jiao Tong University, and North China Electric Power University. With strong technical strength, the company has successively been honored with "National Key High-Tech Enterprise", "National Corporate Technology Center", "National Demonstration Enterprise for Technological Innovation", "Academician Workstation", and "Intelligent Power Grid Distribution and Utilization Engineering Technology Center", achieving abundant results in the field of power technology.

The company has participated in the formulation of nearly 33 standards, applied for more than 400 patents, and obtained more than 200 software copyrights. It has undertaken 15 provincial and ministerial-level projects and 18 municipal-level science and technology projects, and has been awarded first, second, and third prizes for scientific and technological progress at the provincial and municipal levels multiple times.




## QUALIFICATION CERTIFICATES >

### ENGINEERING CATEGORY

Grade B General Construction Contractor of Construction Works
Grade B General Construction Contractor of M&E Installation(110kV and below)
Grade B General Construction Contractor of Power Engineering Works(110kV and below)
Grade B Construction Contractor of Electronics and Intelligent Engineering Works
Grade B General Construction Contractor of Power T&D Works(110kV and below)
Grade C Permission of Installation(repair,test) of Electrical Facilities
License of Safety Production

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## DESIGNING CATEGORY

Professional Grade B Engineering Design in the Power Industry (New Energy Power Generation, Transmission Engineering, Substation Engineering)

Engineering Survey Specialized Engineering Surveying Grade B

## INFORMATION INTEGRATION CATEGORY

Grade B of CCRC Information System Security Operation

Grade C of Computer Information System Integration

Grade B of CCRC Information System Security Integration

Grade C of Information Maintenance Service




MAIN PRODUCTS >

## "SMART GRID" SECTION

Smart substation products: smart substation system, substation monitoring system, microcomputer protection series, high-frequency switching DC power supply.

Smart power distribution products: power distribution automation system, power distribution terminal, fault indicator, power distribution automation master station.

Smart power consumption products: Smart meter,tariff control for special transformer prepayment C&I users, electric energy collection system, and four-meter centralized reading.

HV switchgear products: 10-35kV vacuum circuit breakers, primary and secondary fusion products.

HV & LV complete set products: 0.4-35 kV HV & LV switchgear, prefabricated substation,sub-section post and ring main unit(primary and secondary fusion).

## "INTERNET+" SECTION

Distributed PV power generation monitoring and operations platform, enterprise energy consumption system management platform, electric vehicle charging management cloud platform, power consumption information collection and tariff control platform.

## RENEWABLE ENERGY SECTION

Distributed PV power generation system,electric vehicle charging management system,green energy storage and smart micro-grid.

## MARKET LAYOUT >

### DOMESTIC MARKET:

Headquartered in Shijiazhuang, with branches or offices in 30 provinces, municipalities and autonomous regions across the country.

### International market:

The company has established factories in Nigeria, India and other countries, providing products and technical support services to more than twenty countries worldwide, contributing significantly to the power transformation and economic development of the countries along the Belt and Road.

## KEY PROJECTS >

China FAST Power System Project
2022 Beijing Winter Olympic Games Project
China-Russia Eastern Natural Gas Pipeline Project
Shijiazhuang Metro Line Main Power Supply Project
Beijing Daxing International Airport Power Supply Project
CCTV Broadcasting Hall Main Control Distribution Project



China FAST Power System Project



2022 Beijing Winter Olympic Games Project



China-Russia Eastern Natural Gas Pipeline Project



Shijiazhuang Metro Line Main Power Supply Project



Beijing Daxing International Airport Power Supply Project



CCTV Broadcasting Hall Main Control Distribution Project

# Electric Grid Company Supply Performance Units

State Grid Corporation of China
State Grid Hebei Electric Power Co.,Ltd.
State Grid Liaoning Electric Power Co.,Ltd.
State Grid Inner Mongolia East Electric Power Co.,Ltd.
State Grid Jilin Electric Power Co.,Ltd.
State Grid Gansu Electric Power Company
State Grid Sichuan Electric Power Company
State Grid Shanxi Electric Power Company
State Grid Shandong Electric Power Company
State Grid Chongqing Electric Power Company
State Grid Henan Electric Power Company
State Grid Zhejiang Electric Power Co.,Ltd.
State Grid Jiangxi Electric Power Co.,Ltd.
State Grid Hubei Electric Power Co.,Ltd.
State Grid Anhui Electric Power Co.,Ltd.
State Grid Information Telecommunication Group Co.,Ltd.
State Grid Electric Vehicle Service Co., Ltd.
State Grid Jibei Electric Power Co.Ltd.
State Grid Xinjiang Electric Power Co.Ltd.
State Grid Tianjin Electric Power Company
State Grid Shaanxi Electric Power Company
State Grid Shanghai Electric Power Company
State Grid Beijing Electric Power Company
Xizang Electric Power Co.Ltd.
State Grid Qinghai Electric Power Company
State Grid Jiangsu Electric Power Co.Ltd.
State Grid Heilongjiang Electric Power Co.Ltd.
State Grid Fujian Electric Power Co.Ltd.
State Grid Ningxia Electric Power Co.Ltd.
State Grid Hunan Electric Power Co.Ltd.
State Grid Xinyuan Group Co.Ltd.

China Southern Power Grid Corporation
Guizhou Power Grid Co.,Ltd.
Hainan Power Grid Co.,Ltd.
Guangzhou Power Supply Bureau Co.Ltd.
Guangdong Power Grid Corporation
Guangxi Power Grid Corporation
Yunnan Power Grid Corporation
Shenzhen Power Supply Bureau Co.,Ltd.

## LOCAL ELECTRICITY

Inner Mongolia Power (Group) Co.Ltd.
Hunan Chendian International Development Co.Ltd.
Sichuan Mingxing Electric Power Co.Ltd.
Sichuan Xichang Electric Power Co.Ltd.
Shaanxi Regional Electric Power (Group) Co.,Ltd.
Shanxi Local Electric Power Co.,Ltd.
Xinjiang Production and Construction Corps

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# Petroleum and Petrochemical Industry Supply Performance Units

中国石油

PetroChina Tarim Oilfield Company
PetroChina Yumen Oilfield Branch Company
PetroChina Ningxia Petrochemical Company
China Petroleum Pipeline Engineering Co.,Ltd. (CPP)
China Petroleum Engineering Design Co.,Ltd. (CPE)
China Petroleum Pipeline First Construction Co.,Ltd. (CPECC)
PetroChina Jinxi Petrochemical Company (CNPC)
PetroChina Xinjiang Petroleum Administration Co.Ltd.
PetroChina Liaoyang Petrochemical Company
PetroChina Lanzhou Petrochemical Company
PetroChina Bohai Drilling Engineering Co.,Ltd.(BHDC)
PetroChina Liaohe Oilfield Company
PetroChina Huabei Oilfield Company
Dagang Oilfield Group Co.,Ltd.
PetroChina Daqing Oilfield Co.,Ltd.
PetroChina Jilin Petrochemical Company
PetroChina Tuha Oilfield Company
PetroChina Changqing Oilfield Company
PetroChina Harbin Petrochemical Company
PetroChina Southwest Oil and Gas Field Materials Branch Company

中国石化 SINOPEC

Sinopec Fourth Construction Co.,Ltd.
Sinopec Southwest Oil & Gas Company
Sinopec East China Oil & Gas Company
Sinopec Jiangsu Oilfield Company
Sinopec North China Oil & Gas Branch Company
Sinopec Petroleum Engineering Zhongyuan Co., Ltd.
Sinopec Jianghan Oilfield Company
Sinopec Zhongyuan Oilfield Company
Sinopec Shengli Oilfield
Sinopec Jinling Company
Sinopec Henan Oilfield
Branch Company

中国海油 CNOOC

China National Offshore Oil Corporation

延长石油

Shaanxi Yanchang Petroleum (Group) Co., Ltd.
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National Oil and Gas Pipeline Network Group Co., Ltd.Construction Project Management Branch Company
National Pipeline Network Group United Pipeline Co., Ltd.Northern Branch Company
National Pipeline Network Group United Pipeline Co., Ltd.Western Branch Company
National Pipeline Network Group United Pipeline Co., Ltd.Eastern National Pipeline Network Group United Pipeline Co., Ltd.Beijing Natural Gas Pipeline Co.,Ltd
China-Russia Eastern Gas Pipeline Project
China-Russia Crude Oil Pipeline Second Line Project
Shaanxi-Beijing Fourth Line Pipeline Gas Transmission Project

## Railway Transportation Industry Supply Performance Units

### RAILROAD INDUSTRY

China Railway Sixth Administration Group Electrical Engineering Co., Ltd.
China Railway Construction Electrification Administration Group Co.,Ltd.
China Railway Beijing Administration Group Co.,Ltd.
China Railway Taiyuan Administration Group Co.,Ltd.
China Railway Hohhot Administration Group Co.,Ltd
Handan (XingTai)-Huanghuagang Railway Co.,Ltd.
China State Construction Railway Investment and Engineering Group Co.,Ltd.
China Railway Electrification Engineering Group Co.,Ltd
China Railway Zhengzhou Group Co.,Ltd.
China Railway Lanzhou Group Co.,Ltd.
Baotou-Manzhouli Railway Co., Ltd.
Hantai River Container Station Railway Special Line
Xi'an-Huyi Railway
Lanzhou-Xinjiang Railway
Qinghai - Xizang Railway
Wulumuqi-Jiangjunmiao Railway
Shijiazhuang-Jinan High-Speed Railway
Dali-Lijiang Railway
Yangquan-Shexian Railway
Datong-Xian Railway
Qingdao-Jinan Railway
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## EXPRESSWAY

Yanqing-Chongli Expressway
Zhangjiakou-Chengde Expressway
Beijing-Qinhuangdao Expressway
Ningnan-Panzhihua Expressway
Taiyuan Northwest Second Ring Expressway
Xibaipo-Fuping Expressway
Rongcheng-Wuhai Expressway
Zhangjiakou-Shijiazhuang Expressway
Chengdu-Mianyang Expressway
Linyi - Tengzhou Expressway
Guilin-Liu Cheng Expressway
Yunnan Chuda Expressway
Beijing - Urumqi Expressway
Taihang Mountain Expressway
Ya'an-Yecheng Expressway
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## RAIL TRANSIT

Taiyuan Metro Line 1 0.4kV Switchgear Project
Shijiazhuang Rail Transit: Line 1, Line 2, Line 3
Harbin Rail Transit: Line 3
Chongqing Rail Transit Line 15 Project
Luoyang City Rail Transit: Line 1
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# Typical Project Cases of Thermal Power Plant

Phase II 2×660MW Unit Project of China Energy Group Suqian Power Generation Co., Ltd.
Procurement of 2*600MW High and Low Voltage Power Distribution Units for Huaneng Jiutai Power Plant
Guangdong Jiedong 4×100MW Gas-Fired Cogeneration Project by CPI Power Engineering
Yuanbao Mountain Power Generation Co., Ltd. 2*660MW Unit 3 6kV Switchgear Project
Huaneng Yimin Power Plant 2×660MW Long-distance Heating Retrofit Project
Xibaipo Thermal Power Plant 2×600MW Shigang Waste Heat Matching Project
Shaanxi Huadian Yangling Thermal Power Co., Ltd. 2×350MW Thermal Power Project Adds New Fly Ash Desulfurization Gypsum Treatment Project
Shenneng Baoding Northwest Suburbs Thermal Power Plant Phase I 2×350MW Supercritical Coal-fired Unit Project
Tianjin Huadian Nanjiang Thermal Power Project 3×350MW Supercritical Boiler New Construction Project
Datang Baoding Thermal Power Plant Phase IX 2×350MW Cogeneration Unit Project
Tianfu South Thermal Power Plant 2×330MW Unit Project
Huadian Qingdao Power Generation Co., Ltd. 4×300MW Technical Upgrade Project: Unit 2 New Construction Project
Victory Power Plant 300MW Phase I and II Unit Boiler Slag Removal System
Tangshan Banpu Thermal Power Co., Ltd. 25MW Backpressure Unit Phase III Expansion Coal Powder Supply Project
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# Typical Project Cases of Wind Farm

Central and South Electric Power Tianmen Jiangchang 99MW Wind and Energy Storage Integrated Project
Xinjiang Xinneng Dongjiang Energy Development Co., Ltd. Hami 13 Rooms 50MW Wind Power Project
Xinjiang Boyuan Energy Development Co., Ltd. Bole Santai 50MW Wind Power Project
Huaneng Shaanxi Zichang Power Generation Co.Ltd.Huaneng Shaanxi Zichang Bashan Temple 100MW Wind Power Project
PowerChina Chengdu Engineering Co.,Ltd.84MW wind farm project in Ivorvik, Bosnia and Herzegovina
China Resources Wind Power (Yuexi) Co., Ltd. 72MW Wind Power Plant
Qinghai Hydropower Industry Co., Ltd. Mangya City Lenghu Town 50MW Wind Power Project
State Power Investment Corporation Inner Mongolia Ximeng Abaga Banner Beili Gutai 500MW Wind Power Project
State Power Investment Corporation Inner Mongolia Huocoal Hongjun Power Company Limited Thermal Power Flexibility Transformation 300MW Wind Power Project
China Gezhouba Group Electric Power Co., Ltd. Fuxin Zhangwu Xiliujiazi 250MW Wind Farm Project
China Resources Guangdong Qingxin Linquan 60MW Wind Farm Project
Huaneng Tongyu Wind Power Co., Ltd. Phase D and Phase E 96MW
Northern Shangdu Million Kilowatt-Class Wind Power Base 2000MW Wind Farm Project
China Resources Fushan Phase III 100MW Wind Power Project
China Energy Engineering Group - Guoneng Hengshui Anping Phase I 100MW Wind Power Project Wind Farm Engineering

# Typical Project Cases of Renewable Energy

Hebei Huadian Shijiazhuang Zanhuang 250MW PV Power Plant
Longi Lingwu Longqiao 228MW PV Power Station
China Power International New Energy Holding Limited Hainan Province Partial Cities and Counties 220MW Distributed Photovoltaic Power Generation Project
Guangdong Xingning City Yangxing 200MW Agricultural-Photovoltaic Complementary PV Power Station
Hebei Huadian Shijiazhuang Zhao County Whole County 120MW Distributed Photovoltaic Power Generation Project
China Energy Conservation Guanling County Pulie 100MW Agricultural Photovoltaic Power Station
Baiyin Deep Copper Mine Waste Quarry 100MW Photovoltaic Power Generation Project
State Power Investment Datong Daxin Town 100MW Agro-Photovoltaic Complementary Project
Chengde County Jianlong 100MW Photovoltaic Energy Storage Mine Ecological Restoration Project
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## Typical Project Cases of Energy Storage

Zhangjiakou Chongli Olympic Snow Town Optical Storage and Charging Project
State Grid Pingshan Power Supply Company Beizhuang Village Distribution Transformation Project
Shanxi Datong Zhonglian Data Base PV-BESS-EV Charging Project
State Grid Baoding Power Supply Company 2022 Flexible Energy Storage Demonstration Project
Zhejiang Kaiha Qiyi Electric Power Equipment Co.,Ltd.
State Grid LingShou Power Supply Company Power Supply Assurance Project
Linyi Xindajing New Energy Technology Co., Ltd. Distributed PV Matching Storage Project
Cangxian Sanlidichi Village Distributed Station Area Energy Storage Project
Zhengzhou International Biomedical Science and Technology Park Area B Distributed Photovoltaic Power Generation Project
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## Typical Project Cases of Internet Data Center

Zhonglian Yungang Data Center Project
Heying Data (Huailai) Science and Technology Industrial Park Project Area A (Integrated Power Module) Equipment Procurement Project
Zhonglian Green Big Data Industrial Base Project
"Beijing Surrounding Big Data Industry Tianjin Base" Project #6 Data Center Project
Jiangtian Data Center 1#, 2#, 7# Building Low Voltage Cabinet Project
The Century Internet Wulanqab Cloud Computing Center Base Project
The Lenovo Shengyang Smart IoT Innovation Application Industrial Base Data Center Project
Malaysia Kuala Lumpur Data Center Project
The Zhangjiakou Mingwei Jingxi Cloud Computing Data Center Project
Halo Newnet Yanjiao Phase III Project

## Typical Project Cases of Hydroelectric Power Station

Gansu Liu Jiaxia 1225MW Hydropower Station
Datang Gansu Bikou 3*100MW Hydropower Plant
Gansu Bingling 240MW Hydropower Station
Shiyan Fangxian Laodukou 2*15MW Hydropower Station
Hebei Taolinkou 2*10MW Hydropower Station
Gansu Nanyu 20MW Hydropower Station
Gansu Baishitoukouzi Third Stage 14MW Hydropower Station
Ji'an City Baiyunshan 13MW Hydropower Station
Gansu Duojia Mountain 9MW Hydropower Station
Gansu Baishitoukouzi Fourth Stage 6MW Hydropower Station

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# Typical Project Cases of Overseas Project

Iraq Rumaila Oilfield Development Project
Tanzania 2x6.5MW Photovoltaic Power Station Project
Pakistan Flying Residual Heat Power Generation Project
Vietnam Hoa Phat Group 200t/h Grinding System Engineering Project
Vietnam Plei Kan HPP Hydropower Station Project
Vietnam A Mo Hydropower Station Project
Vietnam South Sai Hydropower Station Project
Vietnam South Ca Hydropower Station Project
Nepal Yabulin Hydropower Station Project
Laos Huailani River Hydropower Station Project
Laos High-Efficiency Solar Cell Factory Power Supply Project
Nigeria Kaduna National Defense University Gas-Solar Complementary Project
Nigeria Maiduguri University 13MW Gas-Solar Complementary Project
Nigeria Mining 33kV Substation Project
Georgia E-60 Highway (KM0.0-KM 11.6) Chumateleti-Khevi Section Upgrade and Reconstruction Project
Aid to Latin America (Cuba) 12MW Photovoltaic Power Station Project
Kenya Olkaria Geothermal Power Station Units 1#, 2#, and 3# Renovation and Upgrade Project
Lesotho Highlands Water Diversion and Power Supply Project
Bosnia and Herzegovina IVOVIK 84MW Wind Farm Project
Maldives Multi-Island Distribution Network Upgrade and Reconstruction Project
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