ENERGY CHINA GPEC

CHINA ENERGY ENGINEERING GROUP
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Toward a First-Class International Integrated Power Service Expert

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CONTENTS

Contents

Contents

Preface

President's Message 02

Overview

Company Profile 04
Organizational Structure 07

Ability

Business Structure 08
Professional Qualifications 10
HSE System 12
Human Resources 14
Financial Resources 17
Scientific Research Capability 19
Core Technology 21
Engineering Equipment 23

Performance

EPC and International Projects 26
Thermal Power Projects 30
Nuclear Power Projects 36
Renewable Energy Projects 38
Transmission and Substation Projects 42
Maintenance and Fabrication Projects 46
Mechanical & Electrical Installation and Environmental Protection Projects 48
Chemical Cleaning and Welding Projects 51
Electrical and Auto-control Projects 52
Investments 54
Non-electric Projects 56

Honors

Honors in Science and Technology 58
Honors in Engineering 60

Culture

Corporate Culture 64

President's Message

We have experienced sixty years of history and progression. Established in 1956, China Energy Engineering Group Guangdong Power Engineering Co., Ltd. (hereinafter referred to as "ENERGY CHINA GPEC"), along with the development of electricity utility of China, always sincerely provide the clients with all-around comprehensive professional service and the global development with light and power.

In these glorious days, ENERGY CHINA GPEC has been undertaking numerous national key projects' large-scale domestic and overseas projects, and countless excellent top-quality projects.

After development and growth of sixty years, there is still a long way to go for the next session of sixty years. How to build the next glorious sixty years of ENERGY CHINA GPEC and step towards to a century-old enterprise? Facing the future, the staff aim to hold fast to the faith of building an everlasting enterprise by following its tradition, synchronizing with the tempo of times, adhering to innovational development with arduous efforts.

Today, on the threshold of a new milestone, ENERGY CHINA GPEC is taking the Scientific Outlook on Development as the guidance and the mid-and-long-term development strategy. We will sincerely cooperate with friends from home and abroad to maximize value for the industry and society, with the philosophy of "service-foremost and human-oriented," as well as the belief of ceaseless learning. We stick to the "client-focused and fighter-based" principle and strive towards the grand vision of "Toward a First-Class International Power Service Expert".

Along the path, ENERGY CHINA GPEC is always treating each new and old friend with sincerity and honesty. Their satisfaction has been our unremitting pursuit and highest award. We sincerely thank our clients for all of their trust. We will always cooperate with every client wholeheartedly, enjoying the mutual development to create a better future together!

President: Liu Ruihua

Company Profile

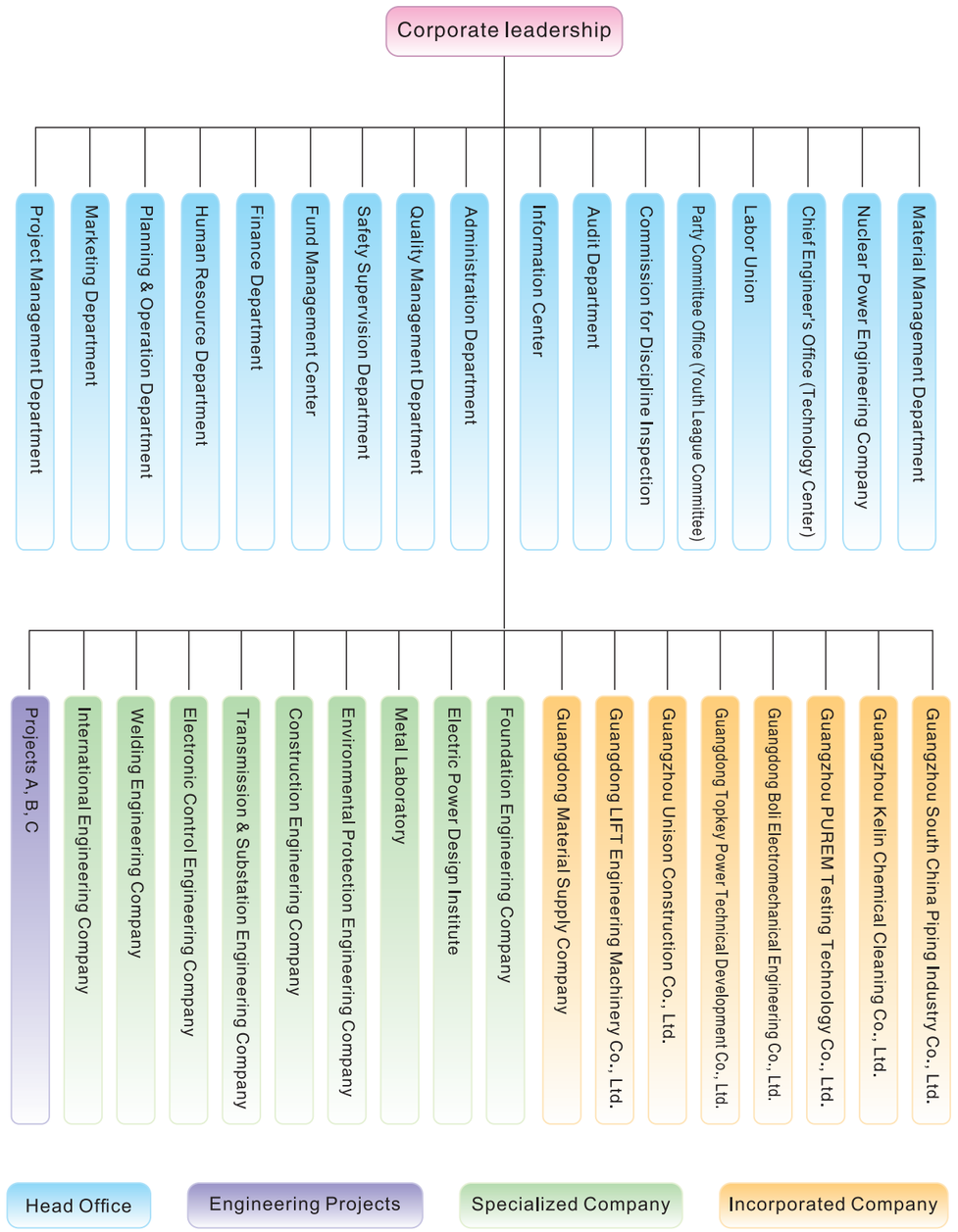
Established in 1956 and affiliated to China Energy Engineering Group Co., Ltd., China Energy Engineering Group Guangdong Power Engineering Co., Ltd. (hereinafter referred to as ENERGY CHINA GPEC) has been developed into an integrated large-scale enterprise and a general contractor for electric works. ENERGY CHINA GPEC has now obtained the Top-Grade qualification, the highest certificate in construction industry, for general contractor for power plant projects, as well as Grade-A qualification for engineering design of power industry. ENERGY CHINA GPEC is also qualified for general contracting of engineering projects, mechanical and electrical installation projects and municipal works, special contracting of environmental protection projects, nuclear projects, transmission and substation projects. The company also has the capabilities for engineering consultation, survey and commissioning, as well as 1,000MW nuclear safety equipment installation, electric power facility installation (maintenance), pressure pipeline, chemical cleaning, large-piece equipment transportation and lifting, and overseas projects.

ENERGY CHINA GPEC has great capabilities for all-levels' projects in general engineering, contracting and managing. It's also good at undertaking mechanical and electrical installation projects, municipal utilities, resident construction projects, environmental protection projects, nuclear projects, transmission and substation projects, engineering consultation, general contracting of design of power plant; engineering survey; power station commissioning, power station maintenance and technological transformation; installation of nuclear pressure-bearing equipment, electric power facilities, boiler, and pressure pipeline; transportation and lifting of large-piece and heavy equipment; chemical cleaning and weld metal inspection; domestic trade; import and export of goods, export of technology; contracting of overseas thermal power projects and domestic international bidding projects, the equipment and material export of the above overseas projects and dispatch of contract workers required by the above overseas projects; various engineering businesses including ordinary freight.

In terms of works construction, ENERGY CHINA GPEC has developed from plant installation contracting into "Engineering-Procurement-Construction-Commissioning" mode, from solitary thermal power plant installation into diversified electric power construction. Regarding its major fields, ENERGY CHINA GPEC can completely implement construction of nuclear island, conventional island and BOP in nuclear power stations, in addition to traditional fossil-fuel power projects. The company has up to now undertaken nearly two hundred large and medium-sized conventional coal-fired power stations, nuclear power stations, combined cycle power stations, self-provided power and diesel power plants home and abroad with a total installed capacity of more than 72,000,000 kWh. Among them, the Phase I Project of Taishan Power Project and the Putian LNG Power Project have won "The Luban Prize," the top honor for construction projects across China. And many projects have procured honors including "The Gold Award of National Excellent Project". ENERGY CHINA GPEC was conferred the award of "National Enterprise with Special Contributions to Electric Power Construction" by China Electric Power Construction Association as well.

ENERGY CHINA GPEC embraces the vision of "Toward a First-Class International Integrated Power Service Expert", strives for excellence and keeps improving so as to provide all its clients with comprehensive engineering services, on the premise of trustworthy cooperation and win-win development.

Organizational Structure



Business Structure

ENERGY CHINA GPEC is a large-scale comprehensive enterprise capable of the general contracting of electric power engineering. The company has a complete business chain integrated with EPC general contracting, project management, design, construction, fabrication, investment and operation. Over the past sixty years, ENERGY CHINA GPEC has been working hard in the field of electric power construction and made indelible contributions to the electric power construction in China with its excellent constructionand advanced management, from which has helped it win good international reputation.

ENERGY CHINA GPEC has a comprehensive strength in the electric power engineering fields of thermal power, nuclear power, wind power, solar power, waste-to-energy power and power grid, power station maintenance, operation maintenance and so forth. Meanwhile, the company has strong comprehensive capability in the fields of coal trade, highway, bridge and petrochemical engineering.

Integrated Industry Chain:

EPC general contracting
Project management
Design
Procurement
Construction
Manufacture
Investment

Equipment manufacturing

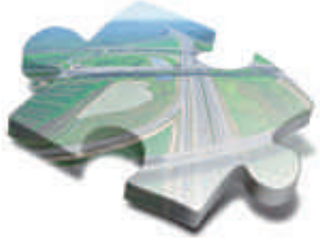
- Piping fabrication
- Structural steelwork

Industrial investment and operation

- Electric power
- Highway
- Coal

Electric power

- Power supply
- Thermal power (coal-fired, gas turbine)
- Nuclear power
- New energy (wind power, solar power, waste-to-energy power...)
- Grid
- Power Transmission and Distribution
- Transformation



Non-electric

- Highway
- Municipal facilities
- Environmental protection
- Petrochemical engineering

Professional Qualifications

ENERGY CHINA GPEC has the construction capabilities of undertaking all kinds of construction projects simultaneously. It has qualifications for thermal power (included Coal-fired, Gas-fueled and Oil-fired), wind power station, solar power station, nuclear power station with its auxiliary production facilities, as well as power transmission and substation projects' lines of various voltage levels.

Category	Qualification
Construction	Top-Grade Qualification for General Contracting for Electric Construction Projects
	Grade-B Qualification for General Contracting for Electrical and Mechanical Installation
	Grade-C Qualification for General Contracting for Municipal Public Projects
	Grade-C Qualification for General Contracting for Housing Engineering
	Grade-A Qualification for Contracting Transmission and Substation Projects
	Grade-A Qualification for Contracting Environmental Protection Projects
	Grade-B Qualification for Contracting Nuclear Projects
	License for Civil Nuclear Pressure-bearing Equipment Installation of the PRC
	Qualification Certificate for Commissioning Activities (Grade A for power plant projects, Grade-A for transmission and transformation projects)
	License for Electric Power Facility Installation (Maintenance) (Grade-for installation, Grade-A for maintenance and Grade-A for contracting commissioning)
	Installation, Alteration, Repair & Maintenance License of Special Equipment (pressure pipeline GB1, GB1(1), GC1 and GD1)
	Installation, Alteration, Repair & Maintenance License of Special Equipment (Grade-A for boiler installation and repair)
	Qualification Certificate for Metering Guarantee System
	Measurement management system certificate
	License for Safety in Production
	Certificate for Quality Management System
	Certificate for Environmental Management System
	Certificate for OHSMS
	Registration for Foreign Trade Operation
	Operation Certificate for Overseas Contracting Projects
	Registration Certificate for Import and Export Goods Declaration
	Registration Certificate for Self Inspection Declaration
	License for Road Transportation
	Registration Certificate for Special Equipment Production in Guangzhou
	Occupational Skill Appraisal Institute of Guangdong Power Engineering Corporation
	Guangdong Power Guangzhou Welder Appraisal and Examination Center
	Qualification Certificate for Technical & Safety Training on Special Works Operator of Guangzhou
	Grade A Qualification Certificate for Implementing Complete Foreign Aid Projects
Engineering Design	Grade–A Engineering Design Qualification Certificate for Power Industry
Survey	Grade–B Qualification Certificate for Engineering Survey in Engineering Measurement
Engineering Consultation	Grade C Qualification Certificate for Thermal Power and Construction

Quality concept:
Career loving, Quality Assurance,
Competitive Products and Groundbreaking Career
Safety concept:
All accidents must be prevented

HSE System

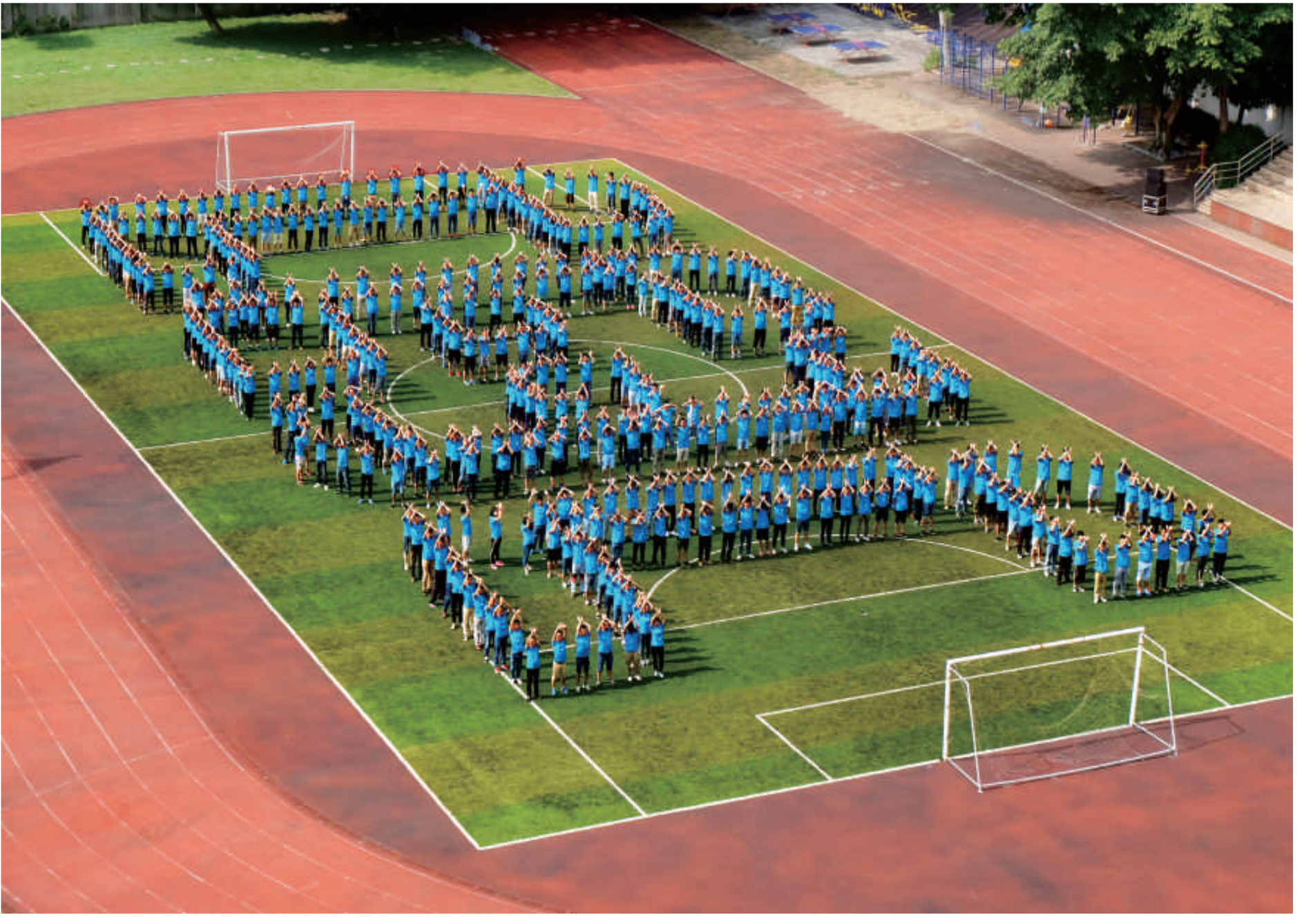
ENERGY CHINA GPEC always attaches great importance to HSE management and control work. Sticking to the corporate guideline of "Safety, Health, Environmental Protection and Development" and the safety concept “all accidents must be prevented”, and the company continues to improve its HSE management in all aspects of system construction, resource allocation, process inspection and performance assessment and so forth. Since 2005 when ENERGY CHINA GPEC obtained the License for Safety in Production, the safety performance has been keeping stable. ENERGY CHINA GPEC has been formally certified under Environmental Management System (GB/T24001-2004 ISO14001:2004) and OSHMS Occupational Safety and Health Management System (GB/T28001-2011 OHSAS18001:2007) certification. Since 2002 when the company first obtained the certificates, it has developed and acquired comprehensive experiences and knowledge database in system operation.

ENERGY CHINA GPEC has been actively engaged in its safety policies and construction standardization. From 2003 to 2014, it was awarded the “Ankang Cup Excellent Enterprise” for 12 consecutive years; it received the award of the "First-Class Enterprise of Electric Power Production Safety Standardization" issued by National Energy Administration (NEA) in March, 2015.

ENERGY CHINA GPEC sticks to its quality concept of " Work Respect, Quality Assurance, Competitive Products and Groundbreaking Career " and implements the quality policy of "Client First, Loyalty to Contract, Quality Orientation and Sustaining Improvement; Toward a First-Class Engineering Company"; it adheres to the quality principle of "paper talks and produce works".

ENERGY CHINA GPEC was formally certified under ISO9002 Quality System certification in 1996 and ISO9001:2008 and GB/T50430-2007 two-standard integration Quality Management System certification in 2010.

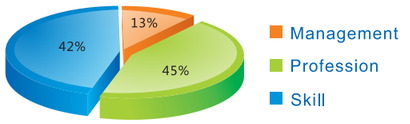
Human Resources



ENERGY CHINA GPEC adheres to the principle of people oriented, pay attention to team building and talent cultivation. It has fully improved the staff's quality by means of technical training, professional qualification examination, technical title evaluation and employment and technician skills examination and performed a core engineering management and construction team with all disciplines and corresponding type of work.

Staff size:

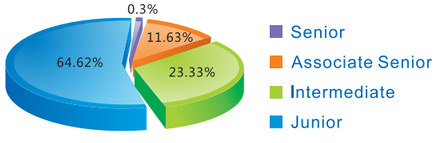
ENERGY CHINA GPEC has 6605 employees in total, including 886 as management, 2962 as professional technical personnel and 2757 as skilled personnel.



Talent structure:

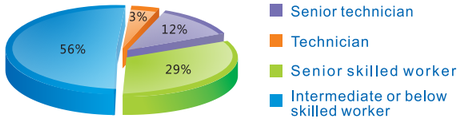
1. Composition of talents with professional technical qualifications

There are 1676 talents with junior or above professional technical qualification. Among them, there are 7 experts with senior professional technical qualifications, 195 with associate senior professional technical qualifications, 391 with intermediate professional technical qualifications, 1083 with junior professional technical qualifications. Above all, there are nearly 200 professionals with the professional qualification of constructor and 1 staff enjoys the special allowance of the State Council.



2. Composition of skilled talents

There are 88 as senior technicians, 357 as technicians, 866 as senior skilled workers and 1653 as intermediate or below skilled workers.



Financial Resources

ENERGY CHINA GPEC is financially sound and has steady financial management, outstanding reputation and excellent financing capability that provide finance guarantee for undertaking projects and ensuring smooth progress of engineering projects. The complete insurance placement and sufficient export financing guarantee support for overseas projects enable the company to fully implement the contracts of domestic and overseas engineering projects.

ENERGY CHINA GPEC has a credit of 10.3 billion Yuan with AAA bank credit rating granted by many prestigious banks including CCB and BOC. Also Ping An Insurance (Group) Company of China, Ltd. has granted VIP title to our company. ENERGY CHINA GPEC has established a strategic cooperation partner relationship with China Export & Credit Insurance Corporation.

Chart of operating revenue growth of the company from 2011 to 2015

(Unit: 100,000,000 Yuan)

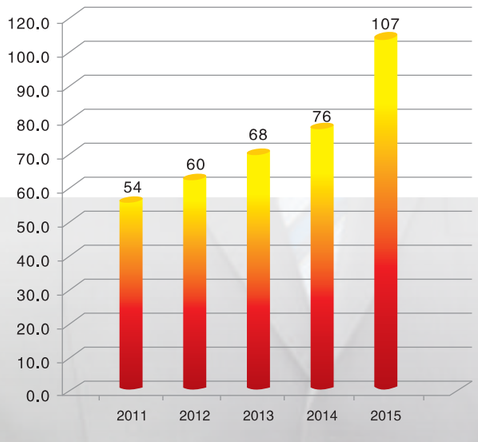
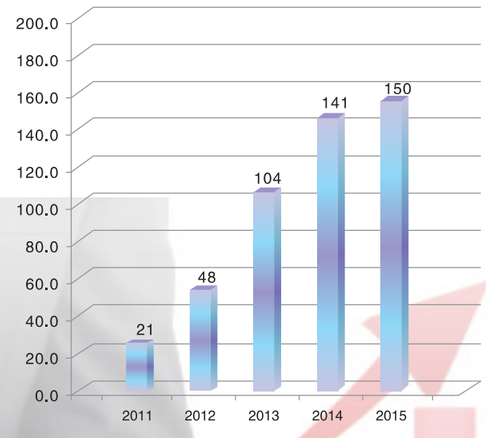


Chart of initial fixed asset value growth of the company from2011 to 2015

(Unit: 100,000,000 Yuan)



Scientific Research Capability

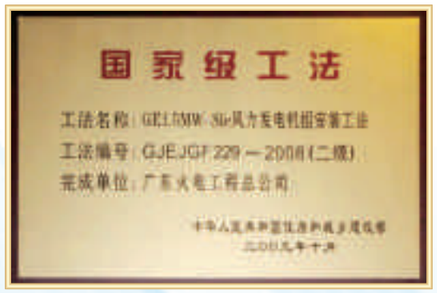
ENERGY CHINA GPEC has established a technology management system consisting of the Science and Technology Committee of the Company, Chief Engineer's Office, Information Center and Project Management Department and a technical innovation and research system including the provincial enterprise technical center and branch technology centers of all disciplines. It also has one provincial enterprise technical center, two municipal engineering technology R&D centers, one metal laboratory, one commissioning institute, one metering room and one welder technique test center. Furthermore, ENERGY CHINA GPEC has comparatively strong scientific research capability. Now, it has 7 professorate senior engineers and 195 senior engineers. The provincial enterprise technology center of the company was jointly approved by relevant departments of Guangdong provincial government in 2011: Two municipal engineering technology research and development centers were approved for construction by Guangzhou municipal government in 2013. In recent years, the company has increased the investment in R&D of engineering technologies, including R&D of thermal power, nuclear power, wind power, photovoltaic engineering technology, large-scale equipment lifting and transportation and management innovation of overseas electric power projects and so forth.

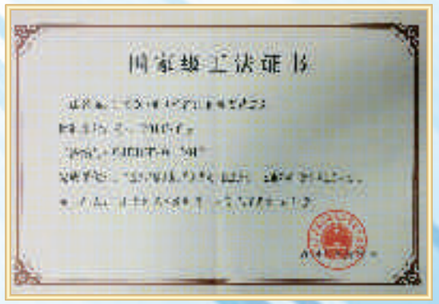
Group level or above scientific awards in recent years

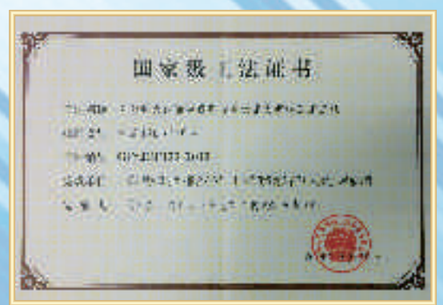
No	Title and Ranking	Project	Year
1	Grand Prize of Science and Technology of Guangdong Province	Research on Coal Gangue CFB Unit (300MW) and Its Resource Recycling Project	2011
2	Second Prize of Science and Technology of Guangdong Province	Research on Oxide Scale Generation and Peeling Mechanism and Its Key Anti-explosion Technology in (Ultra-supercritical) Supercritical Power Plant Boiler	2010
3	Third Prize of Science and Technology of Guangdong Province	Research on Lifting Dome Lifting for Nuclear Island of CPR1000 Nuclear Plant and Its Application	2011
4	First Prize of Science and Technology of China Association of Construction Enterprises	Research on Wind Power Turbine (6 MW) Installation and Its Application	2011
5	First Prize of Scientific and Technological Progress in National Power Construction	Research on Submerged-arc Welding Process (WB36CN1) and Its Application in Nuclear Power Pipes	2014
6	Second Prize of Scientific and Technological Progress in National Power Construction	Research on Welding Procedure and Joint Performance of Domestic Nuclear Power Pipes (WB36CN1)	2009
7	Second Prize of Scientific and Technological Progress in National Power Construction	Research on Design and Application of a Combined Bracket	2011
8	Second Prize of Scientific and Technological Progress in National Power Construction	Research on Application of Installation Technology for 750 t/d Hydraulic Circulating Incinerator Grate	2013
9	Second Prize of Scientific and Technological Progress in National Power Construction	Research on Stator Lifting Technology through Hydraulic Jacking System	2013
11	Third Prize of Scientific and Technological Progress in National Power Construction	Research on Full-automatic Transformer Vacuum Device	2012
12	Third Prize of Scientific and Technological Progress in National Power Construction	Research on Design and Practice of Anti-falling Horizontal Safety Rope	2012
13	Third Prize of Scientific and Technological Progress in National Power Construction	Research and Application of Loop Detector at the Outlet of Relay Protection Device	2015
14	First Prize of Scientific and Technological Progress in National Energy Construction	Roll-Roll Shipment Technology of 3000t Steel Box Girder of Hong Kong-Zhuhai-Macao Bridge	2015
15	Third Prize of Scientific and Technological Progress in National Energy Construction	Construction Method for EHV DC Common Field Tension Wiring of Multiple-fission Large-section Wire Stretching	2015
16	Third Prize of Technical Innovation of China Southern Power Grid (CSG)	Research on Middle-section Jacking Installation Technology for Desulfurizing Absorption Tower Modernization in Power Plant	2011

Core Technology

As the main force of power construction, ENERGY CHINA GPEC actively undertakes the research and development tasks of professional engineering technology of thermal power and nuclear power from the superior unit. Meanwhile, it chooses the scientific research projects by itself according to the medium and long term development strategy of the company and the actual needs of the undertaken engineering projects. Since 1994, ENERGY CHINA GPEC has received 54 awards from the superior unit, association and government and 59 patents of which there are 7 invention patents. It has received 4 software copyrights as welll. Since 2010, ENERGY CHINA GPEC has developed 14 proprietary technologies in terms of engineering technology including integral lifting of whole dome for nuclear island of CPR1000 Nuclear Plant, installation of half-speed turbine of CPR1000 Nuclear Plant and construction of long-distance super-large section cable crossing rivers and so forth







Engineering Equipment

ENERGY CHINA GPEC has strong strength of mechanical equipment. In terms of lifting, the company has 160 sets of all kinds of medium and large-scale lifting equipment including crawler cranes, truck cranes, tower cranes, gantry cranes and lifting devices. There are namely one set of 3200t crawler crane (trusteeship), one set of 1600t crawler crane and one set of 1000t crawler crane, with the total rated lifting capacity of over 15000t. Regarding transportation, the company has the technical research capability and experiences in the aspect of 8000t and below super-heavy large-scale equipment transportation. Now, it has one set of heavy-duty platform vehicle with the maximum unit transportation capacity of 7920t and total rated transportation capacity of 10800t. ENERGY CHINA GPEC ranks No. 1 on the list of Top 50 Building Construction Machinery Leasing Enterprises of China in 2010 due to strong bulk shipment strength.

Installation of wind turbines of wind farm in Hulun Buir, Inter Mongolia

Dome lifting project of #2 Unit of Yangjiang Nuclear Power Project

Engineering Equipment

1.Statistical Table of Main Lifting Equipment

NO	Equipment Name	Quantity (Set)
1	Lifting capacity of single unit< 40 t	10
2	40≤lifting capacity of single unit < 100t	38
3	100≤lifting capacity of single unit < 400t	31
4	400≤lifting capacity of single unit < 900t	7
5	900≤lifting capacity of single unit < 1200t	1
6	Lifting capacity of single unit≥1200t	2

2.Statistical Table of Main Transportation Equipment

NO	Name	Specifications	Quantity
1	Power Module Transport Vehicle (SPMT)	2.43m/4320t	120axis
2	Hydraulicplatformvehicle	2.4m/3m/7260t	128axis
3	Heavy tractor	Mercedes-Benz 4160/609HP	2 sets
4	Heavy tractor	Mercedes-Benz 3850A/500HP	2 sets
5	Heavy tractor	MANtractor/600HP	2 sets
6	Self-propelledmodule	4x2axis/600HP	1set
7	Bridge	200t/300t/450t	1 set for each
8	Concave type cargo table	8.5 m/200t	1set
9	platform vehicle	30t/60t/80t	10sets
10	Low-cab platform vehicle	DJ250/25t	3sets
11	Low-cab platform vehicle	80t	1set

① ② ③ ④

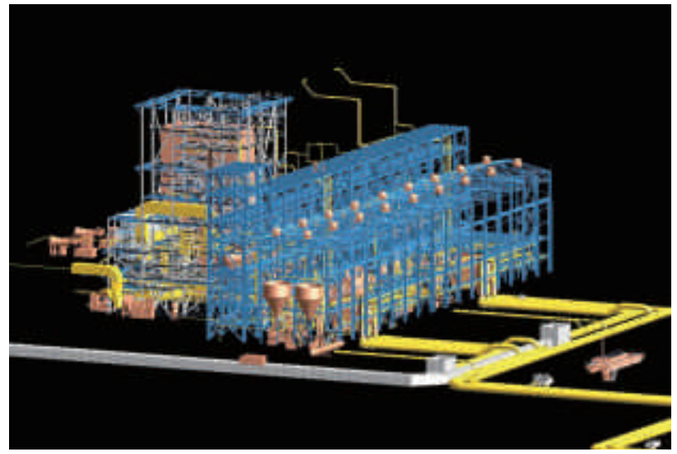
①3000t large–section roll–on and roll–off transportation project of Hong Kong Zhuhai Macau Bridge Project
②CZ–2 Rocket erection project in Zhuhai Air Show
③Project of transportation of secondary dehydration column of Zhuhai BP
④The transportation project of the heaviest pieces of the transformer of ±800kv Huidong Convertor Station Project

The biggest lifting and transportation project

1.The biggest lifting project of the company is the lifting project of the lower section of shift conversion gas absorber of Sinopec Maoming Company. The lower section of the hoisted shift conversion gas absorber has the height of 65.64 m, net weight of 868t and lifting weight of 950.5t, which renews the weight record of lifting single object with the crawler crane.

2.The "largest, heaviest and widest" large-scale equipment transportation project of China-the first large-section roll-roll shipping transportation of CB02 bid section of Hong Kong-Zhuhai-Macao Bridge Project, with the 3000t transported large-scale equipment, which creates the record of the heaviest large-piece equipment transportation of the company.

EPC and Overseas Projects



① ② ③

①A Full View of Medan Coal–fired Power Plant EPC Project in Indonesia

②A Distant View of Medan Coal–fired Power Plant EPC Project in Indonesia

③ A Screen Shot of 3D Design of Medan Project

ENERGY CHINA GPEC is committed to the expansion of overseas power projects. It has undertaken power projects in Vietnam and Indonesia in Southeast Asia, Bangladesh and Ghana in Africa and so forth. The projects completed include: Campha Construction and Installation Project in Vietnam (Phase 1&2), Muara Enim Coal-fired Unit Project in Indonesia (2x150MW), Dohazari and Hathazari HFO Generator Unit Project in Bangladesh (1x100MW), Mao Khe Coal-fired Generator Unit Project in Vietnam (2x220MW) and Medan EPC Coal-fired Generator Unit Project in Indonesia (2x200MW) and so forth. At present, the projects under construction of the company include the Bangaladesh Shahjibazar 300MW ± 10% Gas-fired Power Plant, Vinh Tan 1 BOT Coal-fired 2x600MW Power Plant Project in Vietnam and Sunon Asogli Power(Ghana)Phase II 2×9E Gas-fired Combined Cycle Power Plant EPC Project and so forth. So far, the accumulated installed capacity winning the bid and entering into the contract in terms of the overseas power project is 4594MW and the total installed capacity handed over is 2180MW.

ENERGY CHINA GPEC provides All-In-One System from engineering design, manufacture, construction, generator unit commissioning to operation and maintenance. From these overseas projects, GPEC has accumulated rich experiences in international trade and project management, with its own strong and unique competitive edge in international power project market.

EPC and Overseas Projects

① ③
②

① A Full View of Mao Khe Project in Vietnam

②A Full View of Campha Power Plant in Vietnam

③A Bird's View of Vinh Tan Project in Vietnam (Phase 1)

Thermal Power Projects

Project of Huaneng Haimen Power Plant (Phase 1, Unit 2&4, 2×1,000 MW)

ENERGY CHINA GPEC owns the world-class EPC capacity in conventional thermal power projects. By means of preliminary planning, equipment expediting, construction and installation, commissioning and whole-set start-up, project schedule can be greatly shortened. This efficiency in time management demonstrates company's excellence in process control and project management. For over 60 years, ENERGY CHINA GPEC has fulfilled projects in Guangdong, Hunan, Hainan, Fujian, Sichuan, Guangxi, Hebei and Shanxi across China as the main contractor of conventional thermal power plant, and is stepping forward to the international market such as Vietnam, Indonesia, Ghana and Bangladesh.

In recent years, ENERGY CHINA GPEC has successfully completed and handed over several large projects to its clients. They are Taishan Power Plant, Shanwei Power Plant, Kemen Power Plant, Shantou Power Plant, Pinghai Power Plant, Huilai Power Plant, Chaozhou Power Plant, Haimen Power Plant and Hengyi Power Plant and so forth. Till now, the Company has achieved a total installed capacity of 72,000 MW.

The Biggest Thermal Power Projects

NO	Project Name	Hand-over Time	Remarks
1	Project of Maoming Thermal Power Plant ,Unit 1 (25 MW)	1960	The first high temperature and high pressure unit in Guangdong
2	Dispatching technicians and constructors to participate in installation of Self-provided Power Plant in Sana Textile Factory of Yemen Arab Republic (4x550 kW diesel generator, 1x90 kW diesel generator and 3x 5 t/h boiler)	1967	The first time to dispatch staff to an international project
3	Project of Fengshun Dengwu Geothermal Testing Power Plant (Unit 1, 64 kW)	1970	The first geothermal power plant in China
4	Project of Maoming Thermal Power Plant (Unit 3)	1974	The first 100 MW steam turbine generator unit in Guangdong Province
5	Project of Huangpu Power Plant (Unit 1)	1978	The first 125 MW steam turbine generator unit in Guangdong Province
6	Project of Shaoguan Power Plant (Unit 8)	1985	The first 200 MW steam turbine generator unit in Guangdong Province
7	Project of Shajiao (B) Power Plant (Unit 1 & 2)	1987	The first 350 MW steam turbine generator unit in Guangdong Province
8	Independent design and manufacture of the largest medium -frequency pipe-bender (500 kW) in South China	1989	The largest medium-frequency pipe-bender (500 kW) in South China
9	Project of Huangpu Power Plant (Unit 5)	1989	The first 300 MW steam turbine generator unit in Guangdong Province (the first single-furnace subcritical DC furnace in China)
10	Project of Shajiao (C) Power Plant (Unit 1)	1994	The first 660 MW unit in Guangdong Province
11	Extension Project of Huaneng Shantou Power Plant (Phase 2, Unit 3)	2005	The first 600 MW made-in-China supercritical unit in Guangdong Province
12	Project of Huaneng Haimen Power Plant (Unit 2, 1,000 MW)	2009	The world's first project of 1,000 MW unit applying seawater for desulfurization and China's first 1,000 MW unit with its desulfurizing and denitrifying devices synchronizing with the TG unit in both construction and operation.
13	Project of Huaxia Yangxi Power Plant in Guangdong Province (Phase 2, Unit 5 & 6)	Under construction	The project with the largest single-unit capacity unit in China (1240MW)

Construction and Installation Project of Guangdong Taishan Power Plant (Phase 1, Unit 4&5, 2x600 MW)

Construction and Installation Project of Supercritical Coal-fired Unit of Zhuhai Power Plant (Phase 1, Unit 3&4, 2×600MW)

Major Achievements

Conventional Thermal Power Projects - 1000 MW				
NO	Project	Working Scope	Quality Standard	Date of completion
1	Extension Project of Guangdong Datang Chaozhou Sanbaimen Power Plant (Unit 3, 1x1000 MW)	1 x 1000 MW construction & installation	National silver award	2009.11.09
2	Project of Huaneng Haimen Power Plant (Phase 1, Unit 2, 1×1,000 MW)	1 x 1000 MW construction & installation	National gold award	2009.10.15
3	Project of Huaneng Haimen Power Plant (Phase 1, Unit 4, 1×1,000 MW)	1 x 1000 MW construction & installation	Excellent	2012.7.15
4	Extension Project of Huilai Power Plant (Phase 1, Unit 3, 1×1000 MW)	1 x 1000 MW construction & installation	Excellent	2011.4.14
5	Project of Pinghai Power Plant (Phase 1, Unit 1&2, 2×1,000 MW)	2 x 1000 MW construction & installation	Excellent	2010.10.5
6	Project of Taishan Power Plant (Phase 2, Unit 6, 1×1000 MW)	1 x 1000 MW construction & installation	Excellent	2011.3.29
7	Project of Bohe Power Plant (2×1000 MW)	2 x 1000 MW construction & installation	Excellent	Under construction
8	Project of Huaneng Laiwu Power Plant (2 x 1000 MW)	1 x 1000 MW construction & installation	Excellent	Under construction
9	Project of Guohua Shouguang Power Plant (2 x 1000 MW)	1 x 1000 MW construction & installation	Excellent	Under construction
10	Project of Huaxia Yangxi Power Plant (Phase 2, Unit 5 & 6)	2 x 1240 MW construction & installation	Excellent	Under construction
	Subtotal	13 units		

Conventional Thermal Power Projects – 600 MW				
NO	Project	Working Scope	Quality Standard	Date of completion
1	Project of Maoming Power Plant (Unit 1, 1×600 MW)	1 x 600 MW construction & installation	Excellent	2012.6.15
2	Project of Yangxi Power Plant (Unit 1&2, 2×600 MW)	2 x 600 MW construction & installation	Excellent	2009.12.24
3	Project of Sanshui Hengyi Power Plant (Unit 1&2, 2×600 MW)	2 x 600 MW construction & installation	Excellent	2011.10.7
4	Project of Shanwei Power Plant (Phase 2, Unit 3&4, 2×660 MW)	2 x 600 MW construction & installation	Excellent	2011.5.31
5	Project of Shanwei Power Plant (Phase 1, Unit 1&2, 2×600 MW)	2 x 600 MW construction & installation	Excellent	2008.2.11
6	Project of Huilai Power Plant (Phase 1, Unit 1&2, 2×600 MW)	2 x 600 MW construction & installation	Excellent	2007.6.28
7	Project of Zhuhai Power Plant (Unit 3&4, 2×600 MW)	2 x 600 MW construction & installation	Excellent	2007.2.10
8	Project of Fujian Kemen Power Plant (Phase 1, Unit 1&2, 2×600 MW) (First Bid Section)	1 x 600 MW construction & installation	Excellent	2006.8.3
9	Project of Fujian Kemen Power Plant (Phase 2, 2×600MW, Bid Section A of Main Factory Construction)	1 x 600 MW construction & installation	Excellent	2008.11.20
10	Construction and Installation Project of Taishan Power Plant (Phase 1, #2 Bid Section ,Unit 4&5)	2 x 600 MW construction & installation	Luban Prize	2006.11.28
11	Project of Yuedian Huilai (Jinghai) Power Plant (Phase 1, Unit 1&2)	2 x 600 MW construction & installation	Excellent	2007.6.28
12	Project of Supercritical Coal-fired Generator Set of Foshan Sanshui Hengyi Power Plant ("Developing Large-capacity Units and Suppressing Small Ones", 2×600MW)	2 x 600 MW construction & installation	Excellent	2011.9.28
13	Project of Coal-fired Power Generator Unit of Huarun Jiaozuo Power Plant (2x600 MW)	2 x 600 MW construction & installation	Excellent	2015.1.1
14	Project of Coal-fired Power Generator Unit of Shaoguan Power Plant (2x600 MW)	2 x 600 MW construction & installation	Excellent	2015.7.29
15	Project of Coal-fired Power Generator Unit of Yuedian Dapu Power Plant (2x600 MW)	1 x 600 MW construction & installation	Excellent	Under construction
16	Project of Coal-fired Power Generator Unit of Henglian Wucaiwan Power Plant (2x600 MW)	2 x 600 MW PC Project	Excellent	Under construction
17	Extension Project of CPI Fangchenggang Power Plant (Phase 2)	Construction of main factory and its ancillary works (2X660 MW)	Excellent	Under construction
	Subtotal	30 units		

Conventional Thermal Power Projects - CFB Boiler				
NO	Project	Working Scope	Quality Standard	Date of completion
1	Extension Project of Xinhui Shuangshui Power Plant (CFB Boiler)	2X150MW	Excellent	2004.10.15
2	Project of Lianzhou Power Plant (Phase 2) (CFB Boiler)	2X135MW	Excellent	2004.5.26
3	Project of Generator Unit of Guangxi Baise Power Plant with Comprehensive Utilization of Resources	2X150MW	Excellent	2007.12.31
4	Construction & Installation Project of CFB Coal-fired Generator Unit of Mei County Heshuyuan Power Plant of Guangdong Baolihua Electric Power Co., Ltd. (Phase 2, 2×300MW)	2X300MW	Excellent	2008.6.14
5	Installation Project of CFB Coal-fired Generator Unit of Yunfu Power Plant-C Plant ("Developing Large-capacity Units and Suppressing Small Ones", 2×300MW)	2X300MW	Excellent	2010.8.24
6	Construction & Installation Project of CFB Coal-fired Generator Unit of Mei County Heshuyuan Power Plant of Guangdong Baolihua Electric Power Co., Ltd. (Phase 3, 2×300MW)	2X300MW	Excellent	2012.10.28
7	Project of Yanggao Thermal Power Plant of Shanxi Datong Coal Mine Group	1X350MW	Excellent	Under construction
8	Project of Shanxi Jiexiu Low Calorific Value Coal Fired Power Plant	1X350MW	Excellent	Under construction
	Subtotal	14 sets		

Construction and Installation Project of ultra-Supercritical Coal-fired Generator Unit of Huilai Power Plant (Phase 1, Unit 3, 1×1000 MW)

Project of Coal-fired Power Generator Unit of Shaoguan Power Plant (2x600 MW)

Nuclear Power Projects

ENERGY CHINA GPEC has participated in Ling'ao Nuclear Power Plant project. The tasks include equipment installation for conventional island, large-scale equipment Transportation& Lifting for nuclear island, and construction and on-site management for main system of nuclear island. ENERGY CHINA GPEC has not only accumulated experiences in nuclear power plant construction but also cultivated its own professional team in relevant realm.

Presently, the projects under construction include: conventional island and BOP installation project ERP unit of Taishan NPP (2×1750 MW), conventional island and BOP installation project of Yangjiang NPP (Unit 3&4, 2×1000 MW) and conventional island and BOP installation project of Hainan Changjiang NPP (Unit 1&2). More importantly, in 2013, the company successfully initiated the nuclear-island installation project Unit 5&6 and conventional-island construction and installation project for Unit 6 of Yangjiang NPP, a significant landmark for company's outreach towards the market share of nuclear power. Now, the number of in-service nuclear conventional island projects by ENERGY CHINA GPEC accounts for 10% of the national grand total and the number under construction increases to 31% of the national grand total.

Installation Project for Conventional Island of Shenzhen Ling'ao NPP (Phase 2, 2x1000 MW)

Conventional Island Installation and BOP Construction Project of Taishan NPP (Unit 1&2, 2x1750 MW)

Conventional Island Installation (Unit 3&4), Nuclear Island Installation (Unit 5&6) and BOP Installation Project of Yangjiang NPP (2x1000 MW)

The Biggest Thermal Power Projects

1. The nuclear power plant with the largest single unit capacity in the world-Project of EPR Third-generation Unit of Taishan NPP (Phase 1, 2×1750 MW)
2. The largest dome lifting of nuclear power plant in Asia-Project of Dome 1 Lifting of Taishan NPP (Phase 1)
3. The first 1,000 MW nuclear power unit in China with "independence in design, manufacture, construction and operation"- Project of Conventional Island of Ling'ao NPP (Phase 2, 2×1,000 MW)
4. The first project of nuclear island construction for an electric engineering enterprise in China-Nuclear Island Construction Project of Yangjiang NPP (Phase 1, Unit 5&6)

Renewable Energy Projects

ENERGY CHINA GPEC has made excellent achievements in renewable energy construction fields such as combined cycle gas turbine power plants, wind farms, waste-to-energy power plants, photovoltaic power plants. And the company has hit many records in construction fields of renewable energy, including the first flexible multiport DC transmission “863” key project in the world and the installation of the first SINOVEL wind turbine with the maximum power of 6 MW in Sheyang, Jiangsu. Till now, it has achieved a total installed capacity of wind turbine of 5,918 MW.

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①Yangqian Wind Farm of Xuwen County, Zhanjiang, Guangdong Province
②Yuedian CSOT Photovoltaic power plant project, Guangdong
③Fujian Putian LNG Gas–fired Power Plant (2x390 MW) Project

LNG Gas-fired Power Plant

No	Project Name	Construction Scope	Quality Standard	Date of Completion
1	Fujian Putian LNG Gas–fired Power Plant (2x390 MW) Project	2 x 390 MW installation	Luban Prize	2010.3.23
2	Zhujiang LNG Gas–fired Power Plant (2x390 MW) Project	2 x 390 MW installation	Excellent	2007.3.14
3	Shenzhen Eastern LNG Gas–fired Power Plant (3x390 MW) Project	3×390 MW construction & installation	Excellent	2007.11.4
4	Huizhou LNG Gas–fired Power Plant (3x390 MW) Project	3 x 390 MW installation	National silver award	2007.6.18
5	Zhongshan Jiaming LNG Gas–fired Power Plant (2x390 MW) Project	2 x 390 MW construction & installation	Excellent	2009.11.28
6	CNOOC Gaolan Port Gas–fired Power Plant (2x390 MW) Project	2 x 390 MW construction & installation	Excellent	2014.9.18
7	CPI Hengqin Gas–fired Power Plant (2x390 MW) Project	2 x 390 MW construction & installation	Excellent	2014.11.23
8	Chongqing Liangjiang Gas–fired Power Plant (2x470 MW) Project	1 x 390 MW construction & installation	Excellent	2014.12.28
9	Dazhou Gas–fired Power Plant (2x390 MW) Project	2 x 390 MW construction & installation	Excellent	2015.6.9
10	GCL Natural Gas–Steam Combined Cycle Heat and Power Generation Project	2 x 180 MW construction & installation	Excellent	2015.11.27
11	CPI Sihui Gas–fired CCHP (2x400 MW) Project	Construction and Installation Project of Main Factory and BOP (1X400 MW)	Excellent	Under construction
12	Huizhou Gas–fired Power Plant Combined Heat and Power Generation Project Construction and Installation Works	Construction and Installation Project of Main Factory and BOP (3X460 MW)	Excellent	Under construction
13	Yuedian Zhongshan Sanjiao Gas–fired CCHP Project	Construction and Installation Project of MainFactory and the Ancillary Heat Supply Network (3X400 MW)	Excellent	Under construction
	Subtotal	28units		

Renewable Energy Projects

Waste-to-Energy Power Plants

NO	Project Name	Project	Date of Construction	Date of Completion
1	Zhuhai Waste-to-Energy Power Plant Project Installation Works	3x200 t/d furnace incinerator +1X6,000 KW steam turbine generator	1998.3.9	2000.7.18
2	Shenzhen Baoan Waste-to-Energy Power Plant Project Construction & Installation Works	3x400 t/d furnace incinerator & flue gas treatment system) + 2 x12 MW steam turbine generator	2004.5.8	2006.5.17
3	Dongguan Waste-to-Energy Plant (Phase 1) Construction & Installation Works	3x400 t/d CFB boiler +2x15 MW steam turbine generator	2004.12.21	2006.12.1
4	Guangzhou Lihang Waste-to-Energy Power #2 Power Plant Installation Project Works	3 x 750 t/d furnace incinerator +2X25 MW steam turbine generator	2010.7.2	2013.9.21
5	Baoan Laohukeng Waste-to-Energy Power Plant (Phase 2) Construction & Installation Works	4x750 t/d furnace incinerator + 2X32 MW steam turbine generator	2011.5.3	2012.12.25
6	Waste-to-Energy Power Plant EPC Works	2x400 t/d CFB boiler + 2x12 MW steam turbine generator	2011.11.23	2013.12.31
7	Nanchang Quanling Waste-to-Energy Power Plant Construction & Installation Works	2x600 t/d furnace incinerator + 2X12 MW steam turbine generator unit	2013.7.1	2015.1.21
8	Sanya Waste-to-Energy Power Plant Project	2 x350 t/d Martin furnace incineration + 1x15 MW steam turbine generator	2014.1.2	2015.1.29
9	Boluo County Waste-to-Energy Power Plant Installation Works	2 x350 t/d Furnace incinerator + 1x15 MW steam turbine generator	2014.4.13	2015.7.29
10	Foshan Nanhai Waste-to-Energy #1 Power Plant Installation Works	2 x350 t/d Furnace incinerator + 1x15 MW steam turbine generator	2014.4.13	2015.6.23
11	Weifang Waste-to-Energy Power Plant Project	2 x500 t/d furnace incinerator + 1x20 MW steam turbine generator	2014.11.5	Under construction
12	Huiyang Lanzilong Waste-to-Energy Power Plant Installation Works	3x400t/d grate furnace incinerator +15MW+9MW condensing steam t urbine generator	2015.4.7	Under construction
13	Wujiang Waste-to-Energy Power Plant Installation Works	2 x750 t/d furnace incinerator + 2X18MW steam turbine generator	2015.9.20	Under construction

Transmission and Substation Projects

ENERGY CHINA GPEC is qualified for general contracting of power transmission and substation projects at various voltage levels. It has Permit for power facilities installation (maintenance, test) (Class I Permit for installation, Class I for maintenance and Class I for test), Class I Permit for professional contracting of transmission and substation projects, Grade A qualification for commissioning & testing of transmission and substation, Grade-A qualification for engineering design of power industry, Grade-B qualification for engineering survey (engineering survey & measuring), Grade-C qualification for engineering consultation (thermal power & architecture building) etc.

Seizing precious opportunities, and with superb technology and excellent quality services, ENERGY CHINA GPEC has achieved excellent performance in power grid construction. So far, the Company has undertaken multiple power transmission and substation projects, including 500kV Boluo substation, 500kV Fuyuan substation, R&D Demonstration Project for 863 Large Flexible DC Transmission Access Technology of Wind Power Plant, 500kV Chongwen substation, 500kV Qishan substation, ±800kV DC power transmission project from Yunnan to Guangdong, 500kV power transmission project from Xianlingshan to Huadu (large span in Beijiang), Nuozhadu power station power plant ±800kV DC power transmission line project to Guangdong, as well as a large number of power grid and related engineering projects, such as municipal, design, operation and maintenance, technical reform, hot washing, new energy projects etc.

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① Technical research and development demonstration project of 863 large scale wind farm flexible DC power transmission & grid connecting project

② 500kV Xianlingshan to Huadu power transmission line (Beijiang large span) project

③ 500kv Shiyang – Wuyi power transmission line (Xijiang large span) project

Power transmission and transformation projects:

1. Flexible DC power grid connecting technical research and development demonstration project of “863” Nan’ao large scale wind farm;
2. Yunnan - Guangdong ±800kV DC Power Transmission Line (Lot 13) Project;
3. Double circuit ± 500kV DC transmission line project from Xiluodu Right Bank Power Plant to Guangdong (Lot #7, #9):
4. Jiangmen 500 kv Shiyang - Wuyi power transmission line (Xijiang large span) project (Lot #4 at estuary);
5. 500kV Fuyuan (Huicheng) Substation project;
6. Lot #2 of 500 kv Pengshen Transmission Line (civil & erection works)
7. 500kV Hui-Mao single to double circuit transmission line expansion project (Lot #1 in Huizhou, Lot #1 in Shanwei)
8. Pingshi B Power Plant Phase II 500 kV Transmission Line & Grid-connecting Project (Lot 3)
9. 220 kv Zhuhai Qinyun - Macao Lianhua cable line project (huge cross-section cable construction technology for crossing long distance in rivers);
10. Shenzhen #3 subway line 110kv Caopu underground substation EPC Project

04 Performance

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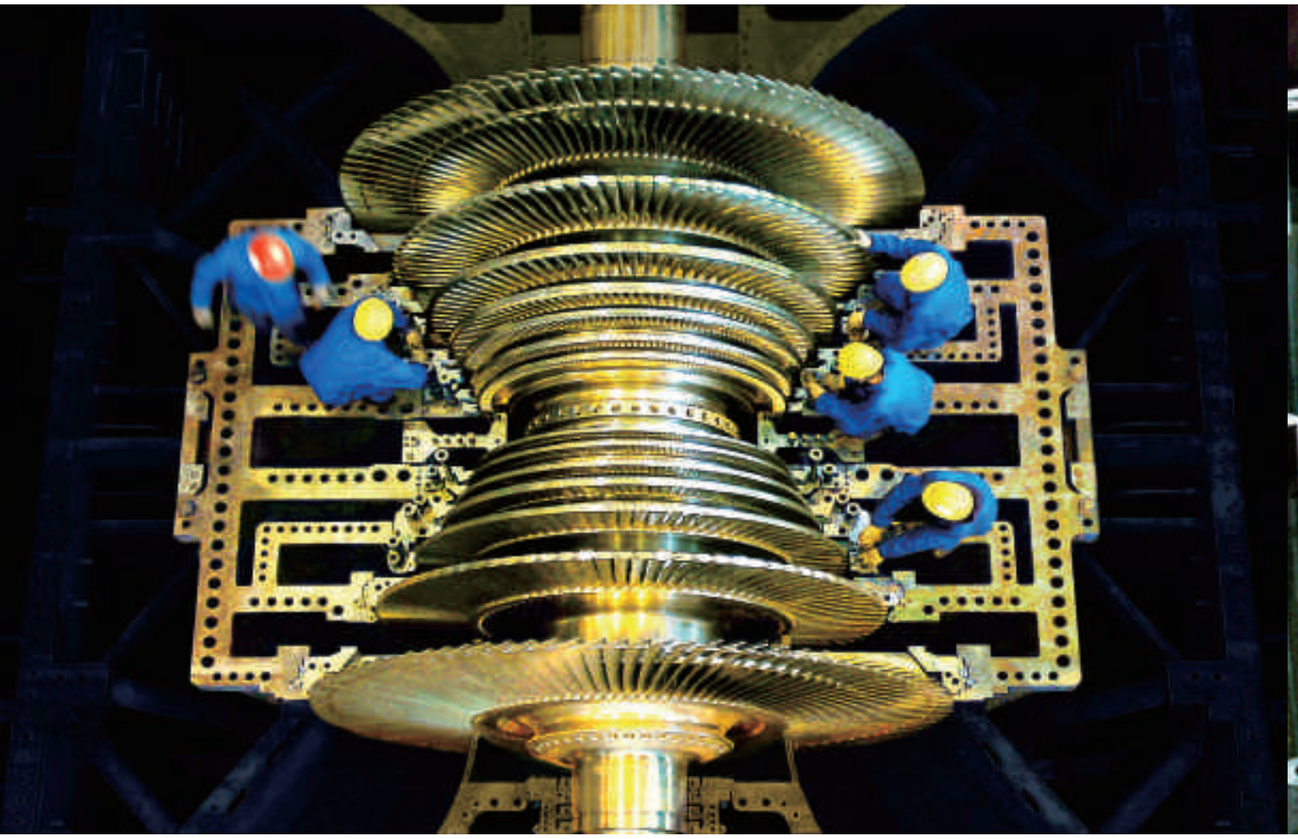
① Yunnan – Guangdong ± 800kV DC Power Transmission Line Project
② 500kV Hui–Mao single to double circuit transmission line expansion project
③ Helicopter patrol transmission line inspection project
④ Hot washing project
⑤ Operation and maintenance project
⑥ 500 kv Fuyuan substation

Maintenance and Fabrication Projects

ENERGY CHINA GPEC has more than 60 years of installation experience and technical competency, and has built specialized power plant maintenance team in southern China. It is our main force to provide warranty services after completion of power plant, and can also make full use of our advantage of convenient and rapid resources allocation, to provide emergency repair, long-term maintenance, overhaul and technical transformation etc. to power plants. After years of development, our service network has covered Guangdong, Hainan, Sichuan, Guizhou, Hunan, Guangxi, and entered international market, such as Vietnam, Africa, established maintenance centers in Shajiao, Zhuhai, Mawan, Zhanjiang, Xiamen etc. We have undertaken maintenance of dozens of power plants successively, and hundreds of large, medium and minor repairs and technical transformation projects.

ENERGY CHINA GPEC has qualifications for manufacturing pressure piping components (Class A1, A3 and B) and Class 1 certificate for steel structure manufacturing, American ASME product certification (S+PP embossed seal) and European Union's PED product certification, has solid strength in (pre-) fabrication of pipes, design, manufacturing of steel structures, as well as manufacturing of environmental friendly desulfuration & denitration equipment, wind power tower body, pumped storage pipes, bucket wheel machine, ship loader and nuclear power products. At the same time, the Company has 50,000 m^2 workshop and all kinds of advanced production equipment, and has direct import and export trade right. It has provided domestic and foreign clients with more than 350,000 tons of steel products, 110,000 tons of boiler pipes, 18,000 tons of environmental protection equipment, 6500 tons of wind power tower body, 5000 tons of bucket wheel stacker-reclaimer and tippler, 2500 tons of nuclear power products, and has an annual production capacity of 40,000 tons. Our products are exported to the United States, Japan, Russia, Brazil, Chile, Turkey, India, Thailand, Vietnam, Malaysia, Singapore and Hong Kong, Macao and Taiwan of China.

In addition, we also have "MA" and "Production Permit" for belt conveyor product, and are mainly engaged in manufacturing of belt conveyor for mining, port industries and auxiliary equipment.



Mechanical & Electrical Installation and Environmental Protection Projects

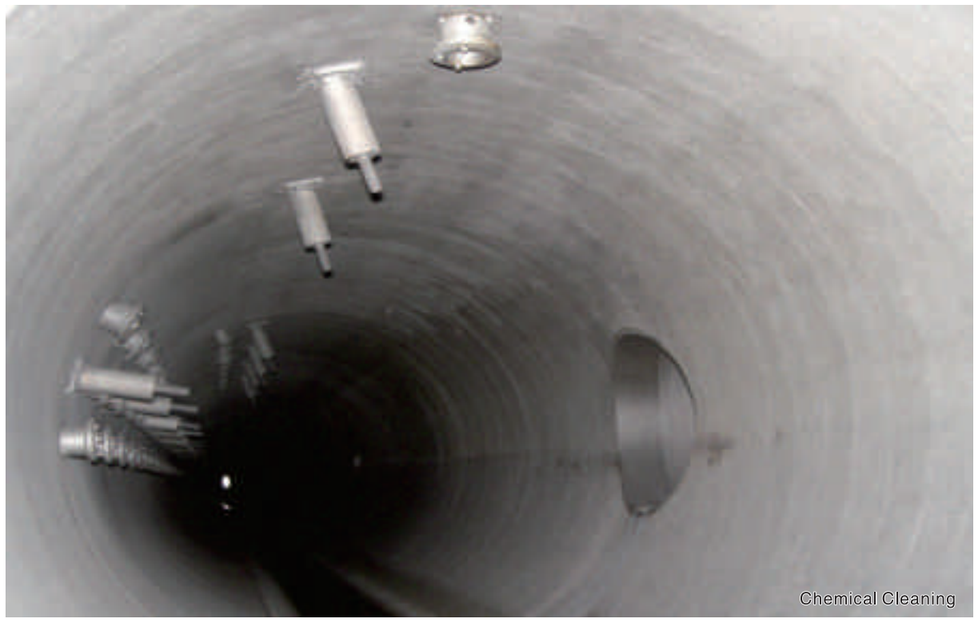
With its specialized construction technology and rich resources, ENERGY CHINA GPEC has expanded to diversified market covering environmental friendly power generation, electrical and mechanical equipment and pressure pipe installation, municipal engineering etc. The Company has completed a series of outstanding projects up to now.

Adhering to the corporate concept of sustainable development, ENERGY CHINA GPEC takes environmental protection as its own duty and responses to the times of energy saving and emission reduction. The Company relies on technological innovation and professional knowledge to participate in environmental protection engineering of power stations. It has undertaken over 50 projects, including Flue Gas Desulfurization Project of Taishan Power Plant (2×600MW), Flue Gas Desulfurization Project of Shajiao C Power Plant (3 x 660MW), Flue Gas Desulfurization Project of Shenzhen Mawan Power Plant, Flue Gas Desulfurization Project of Shaoguan Power Plant (2×300MW), Flue Gas Desulfurization Project of Shunde Desheng Power Plant (Unit 1&2, 2 x 300MW), Desulfurization Projects of Huaneng Haimen Power Plant (Phase I, Unit 1&2, 2 x 1000MW), Huizhou and Seawater etc.

Chemical Cleaning and Welding Projects

ENERGY CHINA GPEC, with its technologies in citric acid, hydrochloric acid, EDTA and so on, has completed the cleaning of more than 320 sets of industrial boilers, physical cleaning with high pressure water jets and chemical washing of scores of desulfurized GGH. Over the years, ENERGY CHINA GPEC has won a lot of trust and praises from owners thanks to discretion and responsibility at work and quality projects.

ENERGY CHINA GPEC Welding Engineering Company offers welding training assessment, technical appraisal, undertaking of welding project and technical support services. At the same time, the Company is certified with Class I Laboratory of National Electric Power Construction, and has complete metal-detecting devices and a professional team with various RT, and UT qualifications. It offers metal detecting service like radiographic inspection, ultrasonic inspection etc., and has qualification appraised by AQSIQ for non-destructive testing of boiler pressure vessels, pressure pipes and special equipment.


Chemical Cleaning

Simulated parts of nuclear power main pipe

Nuclear–grade bearing parts

Electrical and Auto-control Projects

ENERGY CHINA GPEC is engaged in electrical and thermal control installation of power generation and transformation projects of different sizes and types, as well as commissioning, testing and special performance test of equipment for power generation, transmission and substation projects. In terms of commissioning, GPEC owns Class A qualification for thermal power commissioning and is capable of whole-plant startup commissioning of up to 600 MW unit independently; it also obtains Grade A Qualification for power transmission and distribution and is capable of whole-plant startup commissioning of up to 750 kV substation independently.

Investments

Yunnan Hydropower Project and Maoming Garbage Power Plant are two projects currently invested by ENERGY CHINA GPEC. Yunnan Hydropower Project has a total installed capacity of 5.95 MW. Maoming Garbage Power Plant has an installed capacity of unit of 2.4 MW, has a daily garbage processing of: 800 tons/day.

At present, ENERGY CHINA GPEC zooms in on clean energy project. The Company has quite complete qualifications in terms of energy, powerful technical strength, wide social resources and especially practical experience in the investment, construction and operation of hydropower, garbage power plant. Furthermore, it also promotes the sustainable and sound development of investment business through proper orientation, clear objectives, feasible strategic measures, giving full play of advantages and actively solving constraints.

Yunnan Hengyi Shibahe Grande-2 Hydro Power Station

Maoming Municipal Waste-to-Energy Power Plant

Non-Electric Projects

Through years of development, ENERGY CHINA GPEC has expanded its market to many non-electric fields, including civil engineering, petrochemical projects, municipal projects, water resources, waste managements, and commercial trades.

NO	Project name
1	Tianjin Freeway
2	Hainan Zhonghui Oil
3	Guangzhou Subway
4	Dongguan Inter-city Rail Transit
5	Real estate property
6	CNPC Huizhou Oil Refining Base
7	Shenzhen Airport

Honors in Science and Technology

National Engineering method

1. Installation method for GE1.5 MW-sle wind turbine
2. Construction method for multi-split large cross-section stretching and stringing under tension at the same field
3. Installation method for CPR1000 nuclear power half-speed steam turbine
4. Construction method for middle-section integral jacking installation technology for desulfurizing absorption tower renovation in power plant

Award of Progress in Science and Technology

1. 300MW Coal Slack CFB Generating Unit and Resource Recycling Project
2. Research of Super (Ultra–super) Critical Power Plant Boiler Scale Formation and Flaking–off Mechanism and Its Key Explosion–proof Techniques
3. Technical Research and Application of CPR1000 Nuclear Power Station Integral Dome Lifting Technology
4. Technical Research and Application of 6MW Wind Turbine Installation
5. WB36CN1 Submerged Arc Welding Technology Research and Development and Its Application in Nuclear Power Piping
6. 3000t Steel Box Beam Loading on Board Technology of Hong Kong–Zhuhai–Macao Bridge

Honors in Engineering

Honors in Engineering

In recent ten years, among the engineering projects undertaken by ENERGY CHINA GPEC, it had got three Golden Awards for National Quality Project, two China Luban Awards for Construction Project, nine Awards for National Quality Project, twenty Awards for National Excellent Power Project, one Award for National Excellent Installation Project, seven Award for Guangdong Provincial Excellent Construction Project, two Awards for National Customer Satisfaction Project, two Awards for National Power Industry Customer Satisfaction Project, and ten Awards for National Excellent Welding Project.

Golden Award for National Quality Project

- Huaneng Haimen 2x1,000MW Power Plant Phase I Project (civil works of Unit 1&2, and erection of Unit 1)
- Yunnan – Guangdong ±800kV DC Power Transmission and Substation Project
- Bao'an Laohukeng Waste–to–Energy Power Plant Phase II Project

Luban Award for China's Construction Project (Top National Quality Award)

- Guangdong Guohua Yuedian Taishan 2x600MW Power Plant Project
- Fujian Putian 4x350MW Gas Power Plant Project

Award for National Quality Project (including Silver Award for National Installation Project)

- Sanhe Power Plant Unit #3 Construction and Installation Project
- Huizhou LNG 3 x390MW Power Plant Phase I Construction and Installation Project
- Fuzhou Kemen 2x600MW Coal–fired Power Plant Phase I,Project (construction of Unit 1&2, and installation of Unit 1)
- Guizhou Guangdong Secondary Circuit ±500 kV DC Power Transmission Line (LOT 3 of Xingren Convertor Station) Project
- Huaneng (Jilin) Tongyu 100.5 MW Phase I Wind Farm Project
- Yongfeng 500kV Transmission and Substation Project
- Jiangsu Rudong #2 Wind Farm Project Phase I 100.5MW Expansion Project
- Guangdong Datang Chaozhou Sanbaimen Power Plant (Unit 3&4, 2x1,000MW) Project
- Fujian Huadian Yong'an Power Plant Extension Project (Applying Large Capacity Unit while Shutting Down Small Capacity Unit)

Award for National Excellent Power Project

- Project of Guangdong Guohua Yuedian Taishan Power Co., Ltd. (2x600MW)
- Project of 500 kV Boluo Substation (equipment installation and commissioning)
- Construction and Installation Project of Sanhe Power Plant (Unit 3)
- Equipment Installation Project of Huizhou LNG Power Plant (Phase I, 3 x 390MW)
- Construction and Installation Project of Chaozhou Sanbaimen Power Plant (Unit 1)
- Jiangsu Rudong Wind Power Farm (Phase II) Project
- Fuzhou Kemen Thermal Power Plant (Phase I, 2x600MW) Project (construction of Unit 1&2, and installation of Unit 1)
- Guizhou – Guangdong Secondary Circuit ± 500 kV DC Power Transmission Project (LOT 3 of Xingren Convertor Station)
- Jilin Tongyu Wind Farm Project
- Huaneng Haimen Power Plant 2x1,000MW Phase I Project (Construction of Unit 2 and Desulfuration Installation)
- Pingshi B Power Plant to Qujiang Station 500 kV Transmission Line Project
- Fujian Putian 4x350MW)Gas Power Plant Project
- Yongfeng 500kV Power Transmission and Substation Project

Award for National Excellent Power Project

- Jiangsu Rudong #2 Wind Farm Project Phase I 100.5MW Expansion Project
- Guangdong Datang Chaozhou Sanbaimen Power Plant (Unit 3&4, 2x1,000MW) Project
- Huaneng Fuxin Wind Farm (Phase I, II, III) Project
- Yunnan – Guangdong ±800kV DC Power Transmission and Substation Project
- of Guohua Dailiji Qiansijing 49.5MW Wind Farm Project in Horqin Left Middle Banner of Tongliao
- Bao'an Laohukeng Waste–to–Energy Power Plant Phase II Project
- Fujian Huadian Yong'an Power Plant Extension Project (Applying Large Capacity Unit while Shutting Down Small Capacity Unit)

Award for National Installation Star (Excellent Installation Project)

- Bao'an Laohukeng Waste-to-Energy Power Plant Phase II Project

Award for Guangdong Provincial Excellent Construction Project (including Award for Guangdong Provincial Excellent Demonstration Project)

- Haifeng 220 KV Substation Project
- GHEPC (5x600MW) Power Plant Unit 4 Installation Project
- Guangdong Huizhou LNG Power Plant Phase I Unit 1 Construction Project
- Hannan 220KV Substation Project
- Yuedian Huilai 2x600MW Supercritical Power Plant Phase I Unit 1&2,Construction and Installation Project
- Junkang 220KV Substation Project
- Huilai Power Plant 2 x1,000MW Unit 3&4, Construction and Installation Project

Award for National Customer Satisfaction Project

- Shenzhen Western Power Plant Unit 6 Project
- Yangjiang 220KV Monan Substation Project

Award for National Power Industry Customer Satisfaction Project

- Shenzhen Western Power Plant Unit 6 Project
- Shantou Supercritical Power Plant Unit 3 Installation Project

First Prize for National Excellent Welding Project

- Taishan 600MW Power Plant Unit 1,Installation Project
- Huaneng Shantou Supercritical 1x600MW Coal–fired Power Plant Phase 2 Installation Project
- Huadian Kemen Supercritical Power Plant (Phase 1, Unit 1, 2x600MW) Installation and Welding Project
- Huilai 2 x 600MW Power Plant Welding Project
- Huaneng Haimen 2x1,000MW Power Plant Phase I Unit 2 Installation Project

Award for National Excellent Welding Project

- Yuelian 2x135MW CFB Coal–Fired Power Plant Phase II, Project
- Guohua Taishan 600MW Power Plant (Phase I, Unit 4,) Installation Project
- Guangdong Huizhou LNG Power Plant (Phase 1, Unit 1, 3 x 390MW) Installation and Welding Project
- Sanhe Power Plant (Unit 3) Welding Project
- Shanxi Zhangshan Power Plant (Phase 2, Air–cooled Unit 3, 2x600 MW) Installation Project

06 Culture

Corporate culture

Enterprising spirit: Excellence Breakthrough Dedication

Enterprise mission: Light and power for world

Enterprise vision:
Toward a First-Class International Integrated Power Service Expert

Core values of enterprise: Customer-centered and Striver-oriented

Management concept: Win-win with good faith, serve continuously

Quality concept:
Career loving, Quality Assurance, Competitive Products and Groundbreaking Career

Project management concept: Win-win cooperation

Safety concept: All accidents must be prevented

Integrity concept: Integrity at work

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