INTRODUCTION OF COMPANY

Heilongjiang No. 3 Thermal Power Construction Corporation is a large comprehensive electric power construction enterprise affiliated to China Energy Engineering Group Co., Ltd. It was founded on September 21, 1962. It constructed the first unit of 50MW, 100MW and 200MW in Heilongjiang Province successively. It constructed the first supercritical unit of 600MW with the highest degree of domestication in our country, the first large coal power combination project – importing the supercritical unit of 500MW from Russia, the first domestic lignite tower boiler unit of 660MW and other key projects. It is called the “iron army” in the electric power construction field of Heilongjiang Province. Up to 2011, the installed capacity has reached 21056MW.

In the new period, the company has continuously implemented the strategy of “Brand Operation, Intensive Technology, Learning and Creativity, carried out the International, Intensive and Information operation, insisted on the guideline of “Focusing on the electric power construction, Extending upward downstream and expanding horizontally”, and successfully implemented the development strategy of “walking out”. It constantly expanded market on after another in Russia, Belarus, Turkey, Armenia, Vietnam, Sudan and other countries, and accumulated rich experiences in construction and management of oversea projects; it expands the domestic markets in Guangdong, Hunan, Jiangsu, Shandong, Inner Mongolia and other provinces. The main projects include Harbin No. 3 Power Plant of China Huadian Corporation, Harbin Thermal Power Plant of China Huadian Corporation, Qiqihar Thermal Power Plant of China Huadian Corporation, Yimin Power Plant of China Huaneng Group, Hegang Power Plant of China Huaneng Group, Jilin Jiutai Power Plant of China Huaneng Group, Shuangyashan Power Plant of China Guodian Corporation, Harbin Pingnan Thermal Power Plant of China Guodian Corporation, Qitalihe Power Plant of China Datang Corporation, Harbin No. 1 Thermal Power Plant of China Datang Corporation, Jixi Thermal Power Plant of China Datang Corporation, Yaomeng Power Plant of China Power Investment Corporation, Taicang Power Plant of Golden Concord Holding Ltd., Taicang Power Plant of Guohua Group, Shenzhen Nanshan Combined Cycle Power Plant and Baoqing Power Plant of Luneng Group, etc. It has created the brand of “Heilongjiang No.3 Thermal Power Construction–China Energy Engineering Group Co., Ltd”.
INTRODUCTION OF COMPANY

There are 107 sets (pieces) of large hoisting machines such as 450T, 350T, 3500TM and so on in the company. The hoisting tonnage of these hoisting machines is 6,217 tons. It possesses 1,689 sets (pieces) of equipment for thermal power project construction, testing, inspection and commissioning. The constructability is constructing 4×600MW or above, 2×300MW or below and 2×180MW gas turbine at the same time. It has rich experiences in the construction of the supercritical unit of 600MW, the circulating fluidized bed of 460T/H, the combined cycle unit of Type 9E, long-distance pipelines, chimneys and other high buildings.

Now the company possesses more than ten qualifications, such as the first-grade power construction general contracting, the second-grade building engineering general contracting, the first-grade environmental protection specialized contracting, the first-grade nondestructive testing specialized contracting, the first-grade pipeline engineering specialized contracting and so on. It also possesses the qualifications of exporting the equipment and materials for the above overseas projects, external sending personnel for overseas project importing and exporting qualification of self-operating and being agent of various commodities and technologies. In addition, the company has the national level civil work and metal laboratory with excellent equipment. It also has the first-grade welding training and examining center with the certification of the state labor department and the electric power industry.

The company passed the certification of ISO9000 quality management system in 1995, passed the certification of OHSAS18001 occupational safety and health management system and ISO14001 environment management system in 2002. The projects constructed by the company have achieved many awards of excellent quality from state and provinces, and achieved more than 20 construction methods of provincial and national levels and two national patents. The company is rated as integrity enterprise by Heilongjiang Enterprise Management Association. It has been honored with “National Labor Certificate” and “National Model Home of Workers” by All China Federation of Trade Unions. It has been rated as “AAA Enterprise of Quality, Service and Honesty” by the honesty evaluation department of the state. The company has the AAA bank credit rating and the AAA quality management credit rating evaluated by the state.

The company insist on the conception of “People Oriented, Scientific Development, Safe Development and Coordinated Growth, followed the values of “people oriented, integrity, innovation and contribution”, and make efforts to practice the service tenet of “creating excellent products, providing perfect services and satisfying the expectations of owners”.

Facing the new situation of development, the company has actively adjusted the market development strategy. The company has extended in the field of wind power, renewable sources of energy, water treatment, maintenance and overhaul and others. The company has expanded the main business, increased vitality for the healthy and sustainable development of the enterprise.
INTERNATIONAL PROJECTS

◆ Turkey BİGA Independent Power Plant #1 Unit 1×135MW 1×460 t/h
◆ Turkey ETI SODA Cogeneration Power Plant #1 #2 Unit 2×10 MW 2×106 t/h
◆ Turkey BİGA Second Period Project #2, #3 Units 2×135MW 2×460t/h
◆ Turkey BEKIRLI Power Plant #1 Unit Project 1×600MW 1×1827t/h
◆ Russia Troitisk Coal-fired Power Station 2×660MW Coal-fired Supercritical Units
◆ Turkey İzmir 1×350MW Supercritical Coal-fired Unit Power Station
◆ Armenia Razdan Power Plant 300MW Unit #5 Boiler 1×1000 t/h
◆ Armenia Razdan Power Plant #5 Unit Reconstruction and Gas Turbine Installation 1×160MW
◆ Sudan Geely Combined Cycle Power Station 2×206B
◆ Vietnam CaoNgan Power Plant 2×50MW
◆ Belarus Minsk #3 Power Station 230MW Combined Cycle Unit
◆ Russia Jeninskaya Gas-Stream Combined Cycle Heat Supply Power Station Plant 2×165MW+1×15MW,2×223t/h
◆ Russia Rutgers Construction Project
◆ ... ...
DOMESTIC PROJECTS

- Huadian Harbin No. 3 Power Plant 2×600MW 2×2008t/h
- Huaneng Yimin Power Plant First Period Project 2×500MW Russian Supercritical Unit 2×1650t/h Type Π Once-through Boiler
- Guohua Jiangsu Taicang Port Environment Protection Power Plant 1×600MW Supercritical Unit 1×1913t/h
- Huaneng Hegang Power Plant Second Period Project 1×600MW Supercritical Unit 1×1970t/h
- Guodian Shuangyashan Power Plant Third Period Project 1×600MW Supercritical Unit 1×1900t/h
- Huaneng Yimin Coal Power Company Second Period Project 1×600MW Subcritical Unit 1×2030t/h
- China Power Investment Yaomeng No. 2 Power Plant 1×600MW Supercritical Unit 1×1900t/h
- Datang Qitaihe Power Plant 1×600MW Subcritical Unit 1×2030t/h
- Huaneng Jilin Jiutai Brown Coal Tower Boiler Supercritical Unit 2×660MW 1×2100t/h
- Huaneng Yimin Power Plant Third Period Project #6 Supercritical Unit 1×600MW 1×1970t/h
- Luneng Baoqing Power Plant First Period Project Supercritical Coal-fired Power Generating Unit 1×600MW 1×1900t/h
- Anhui Huaibei Power Plant #2 Unit 1×300MW 1×1025t/h
- Huaneng Daqing Xinhua Power Plant Technological Improvement Project of “With Large Generation Small” 1×330MW 1×1025t/h
- Hongkong Xiexin Taicang Port Environment Protection Power Plant #6 Unit 1×300MW 1×1025t/h
- Huadian Harbin Thermal Power Plant Heat Supply Unit Extension Project 2×300MW 2×1025t/h
DOMESTIC PROJECTS

- Datang Shuangyashan Thermal Power Plant  $1 \times 200MW \times 670t/h$
- Huadian Qiqihar Thermal Power Plant  $1 \times 300MW \times 1025t/h$
- Huadian Jiamusi Power Plant  $1 \times 300 \times 1025t/h$
- Datang Harbin No. 1 Thermal Power Plant  $1 \times 300MW \times 1025t/h$
- Huadian Mudanjiang No. 2 Power Plant “With Large Generation Small” Combined Heat and Power Generation Unit  $1 \times 300MW \times 1025t/h$
- Guodian Jilin Longhua Yanji Thermal Power Plant Extra-high Pressure Coal-fired Heat Supply Unit  $1 \times 200MW \times 670t/h$
- Inner Mongolia Hailar Thermal Power Third Period Extension Project  $1 \times 200MW \times 670t/h$
- Datang Jixi B Plant Gangue Combined Heat and Power Generation New Construction Project  $1 \times 300MW \times 1025t/h$
- Shandong Zouping Zouwei Industrial Park Power Plant  $3688MW/59 \text{ Sets} \text{ Steam} \text{ Turbines}, \text{16004} \text{ t/h/64} \text{ Sets Boilers}$
- Huaneng Daqing Combined Heat and Power Generation Newly-constructed Project  $1 \times 350MW \times 1110t/h$
- Guodian Harbin Pingnan Thermal Power Plant  $1 \times 300MW \times 1025t/h$
- Daqing Oil Field Thermal Power Plant “Big Pressure on the Small” Extension Project  $1 \times 300 \text{ MW} \times 1025t/h$
- ...
CIRCULATING FLUIDIZED BED BOILER POWER PLANT

- Shandong Zhonghe Zhangdian Thermal Power Plant 1×100MW 1×220t/h 1×260t/h
- Shandong Huasheng Group Linyi Thermal Power Plant 3×135MW 3×460t/h
- Shandong Yankuang Group Thermal Power Plant 2×135MW 2×460t/h
- Dezhou Thermal Power Plant Extension Project Thermal Unit 2×50MW 2×240t/h
- Turkey BIGA Independent Power Plant#1, #2 and #3 Units 3×135MW 3×460t/h
- Shandong Huasheng Group Linyi Thermal Power Plant (Third Period) 2×25MW 2×75t/h
- Turkey ETI SODA Cogeneration Power Station 2×10MW 2×106t/h
- Jixi Gangue Thermal Power Plant 1×300MW 1×1025t/h
- Guodian Longhua Helong Thermal Power Combined Heat and Power Generation New Construction Project 2×12 MW 3×75t/h

- ... ...

COMBUSTION TURBINE COMBINED CYCLE POWER GENERATION UNIT

- Shenzhen Nanshan Combustion Turbine Combined Cycle Power Station 1×25MW+1×53t/h 1×50MW+1×184t/h
- Shenzhen Baiochang Power Plant “Big Pressure on the Small” Technological Improvement Second Period Multi-axis Gas-Stream Combined Cycle Power Generation Unit 1×(135+60) MW+178t/h
- Shenzhen Fuhuade Power Plant “Big Pressure on the Small” Technological Improvement Second Period Multi-axis Gas-Stream Combined Cycle Power Generation Unit 2×(135+60) MW+178t/h
- Guangdong Dongguan Dongcheng Dongxing Combustion Turbine Thermal Power Plant Gas-Stream Combined Cycle Unit 2× (135+60) MW+178t/h
- Shennandian (Dongguan) Weimei Combustion Turbine Gas-Stream Combined Cycle Unit 2× (135+60) MW+178t/h

- ... ...
WIND AND BIOMASS COMBUSTION GENERATING UNITS

◆ Jilin Siping Wind Power Station First, Second and Fourth Periods Project Wind Power Generator Installation 76 × 1.5 MW
◆ Qiqihar Fuyu Wind Power Station 33 × 1.5 MW
◆ Jiamusi Wind Power Station 17 × 1.5 MW
◆ Guodian Youyi Biomass Power Plant 1 × 30 MW 1 × 240 t/h
◆ Guoneng Bayan Biomass Power Plant 1 × 30 MW 1 × 240 t/h
◆ Guoneng Jilin Changling Biomass Power Plant 1 × 30 MW 1 × 130 t/h
◆ Kaidi Jiaohe Biomass Power Plant 2 × 30 MW 2 × 240 t/h
◆ Kaidi Wangqing Biomass Power Plant 2 × 30 MW 2 × 240 t/h
◆ Huachuan Xielian Biomass Thermal Power Plant 2 × 12 MW 2 × 75 t/h

COOLING TOWER AND CHIMNEY PROJECTS

◆ Datang Shuangyashan Thermal Power Plant Cooling Tower 2 × 3500 m² Chimney 1 × 210 m
◆ Huadian Qiqihar Thermal Power Plant Cooling Tower 2 × 4000 m² Chimney 1 × 210 m
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EXHIBITION OF PROJECTS

Sudan geely combined cycle power plant 2×206B

Armenia razdan power plant 1×300MW 1×1000t/h, 1×160MW
EXHIBITION OF PROJECTS

Turkey biga independent power plant
1 × 135MW 1 × 460t/h

Turkey biga second period project
2 × 135MW 2 × 460t/h
EXHIBITION OF PROJECTS

Turkey bekirli 1×600MW 1×1827t/h

Russia troitsk power plant 2×660MW
Guohua taicang port environment protection power plant  1×600MW
1×1913t/h

Harbin No.3 power plant  2×600MW
2×2008t/h
EXHIBITION OF PROJECTS

Huaneng yiming power plant second period project 2×500MW 2×1650t/h

Huaneng yiming power plant second period project 1×600MW 1×2030t/h
EXHIBITION OF PROJECTS

Huaneng yiming power plant third period project 1×600MW 1×1970t/h

China power investment yaomeng 1×600MW 1×1900t/h
Guodian shuangyashan power plant
1×600MW 1×1900t/h

Huadian qiqihaer thermal power plant
1×300MW 1×1025t/h
EXHIBITION OF PROJECTS

Datang qitaihe power plant 1×600MW
1×2030t/h

Datang harbin No.1 thermal power plant 1×300MW 1×1025t/h
EXHIBITION OF PROJECTS

Huaneng jiutai brown coal tower boiler supercritical unit 2×660MW 2×2100t/h

Huaneng daqing power plant 1×330MW 1×1025t/h
Guodian Harbin Pingnan Thermal Power Plant 1 x 300MW 1 x 1025t/h

Huadian Harbin Thermal Power Plant 2 x 300MW 2 x 1025t/h
EXHIBITION OF PROJECTS

Huaneng hegang powerplant second period project 1×600MW 1×1900t/h

Fulaerji thermal power plant
EXHIBITION OF PROJECTS

Jixi thermal power plant 2×300MW
2×1025t/h

Daqing oil field thermal power plant
1×300MW 1×1025t/h
EXHIBITION OF PROJECTS

Huaneng daqing xinhua power plant
1×330MW 1×1025t/h

Shandong yankuang group thermal power plant
2×135MW 2×460t/h
EXHIBITION OF PROJECTS

Shandong qixing group thermal power plant 2×155MW 2×460t/h

Shenzhen fuhuade power plant 2×(135+60) MW 178t/h
Shenzhen nanshan combustion turbine combined cycle power station
25MW+50MW

Shandong huasheng group linyi thermal power plant(third period)
2×25MW 2×75t/h
EXHIBITION OF PROJECTS

Shandong zouping zouwei industrial park power plant 3688MW/59sets

Manzhouli thermal power plant 2×200MW
EXHIBITION OF PROJECTS

Kaidi jiaohe biomass power plant
2×30MW 2×240t/h

Turkey IZDEMIR 1X350MW
Supercritical Coal-fired Power Plant
EXHIBITION OF PROJECTS

Baoqing power plant 1×600MW 1×1900t/h

Guodian youyi biomass power plant 1×30MW 1×240t/h
EXHIBITION OF PROJECTS

Qiqihar fuyu wind power station
33 × 1.5MW

Jiamusi wind power station
17 × 1.5MW
EXHIBITION OF PROJECTS

Jilin siping wind power station
76×1.5MW

Fangzheng substation 500kv 220kv
EXHIBITION OF PROJECTS

Shandong binzhou substation 220kv

Shuangbei substation 220kv
EXHIBITION OF PROJECTS

Mohe substation 220kv

Heihe substation 220kv
Thank You!