

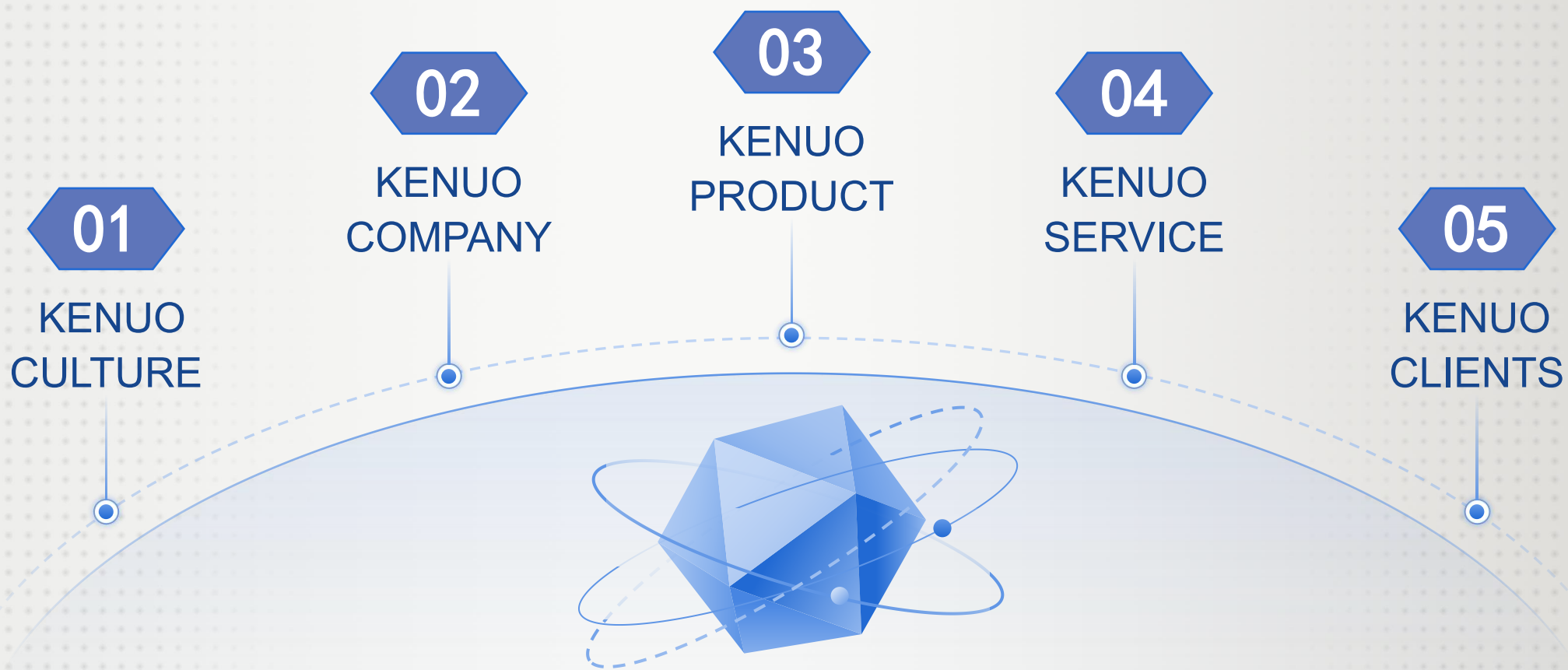
KENUO PROFILE

Warm the World, Flow the Love.

Kenuo 科诺锅炉
中意合资 国际标准

Focus on condensing boiler manufacturing
and engineering for more than 30 years

目录 CONTENTS



Part 1

KENUO CULTURE

Use Good Products to Achieve Customers' Success,
Continuously Create Value for Customers.



Kenuo 科诺锅炉
中意合资 国际标准

CHAIRMAN'S WORDS

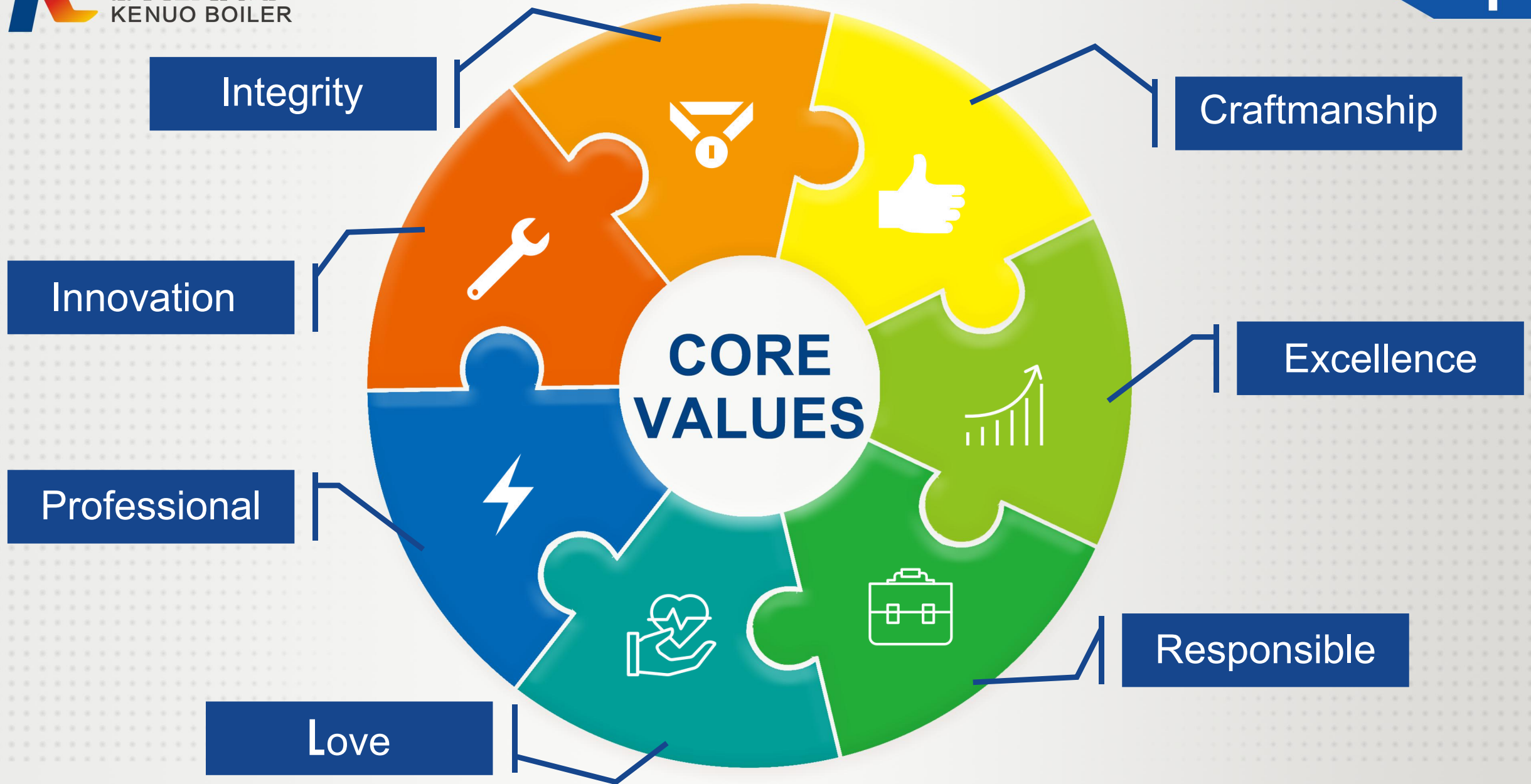
KeNuo Brand:

"Ke" means Science & Technology, "Nuo" means Promise & Integrity.

KeNuo Boiler stick to our promises to customers and ignite every trust and expectation with innovative combustion technology, efficient heat exchange technology, and intelligent control technology.

--- Chairman: Kaiqin Ma

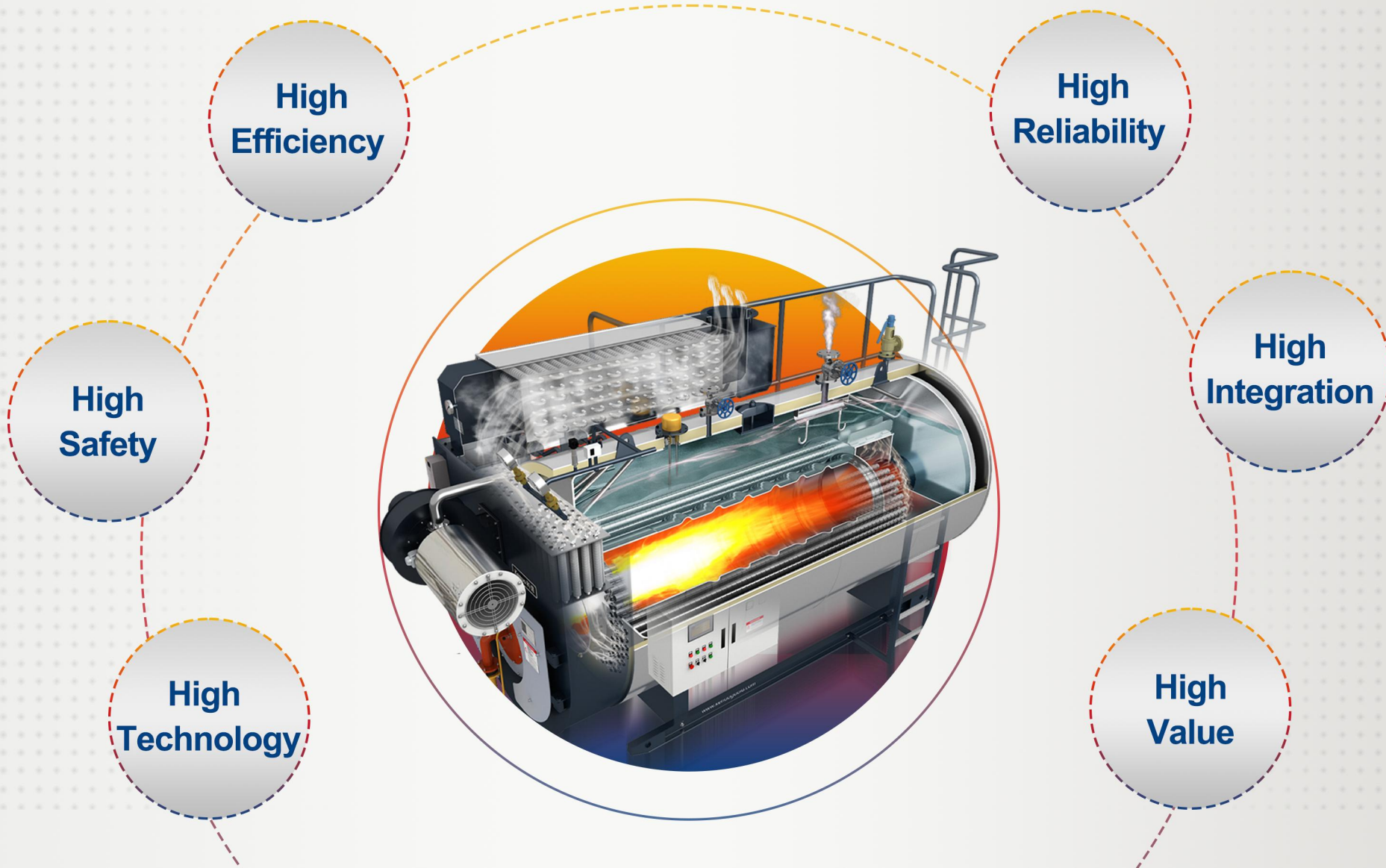




KENUO'S STANDARD

Build Boiler Industry 6 High Standards:

1



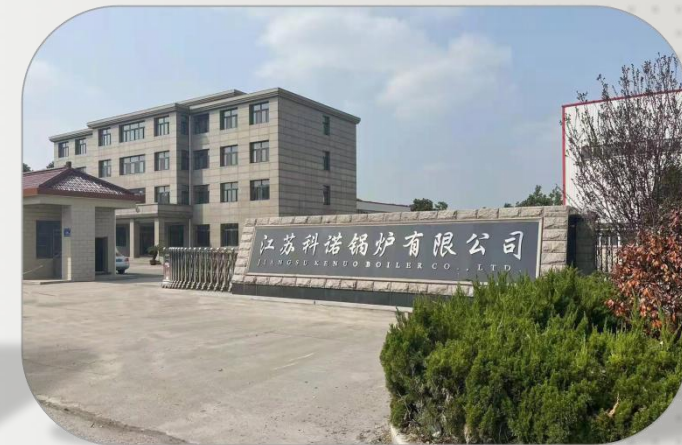
Part 2

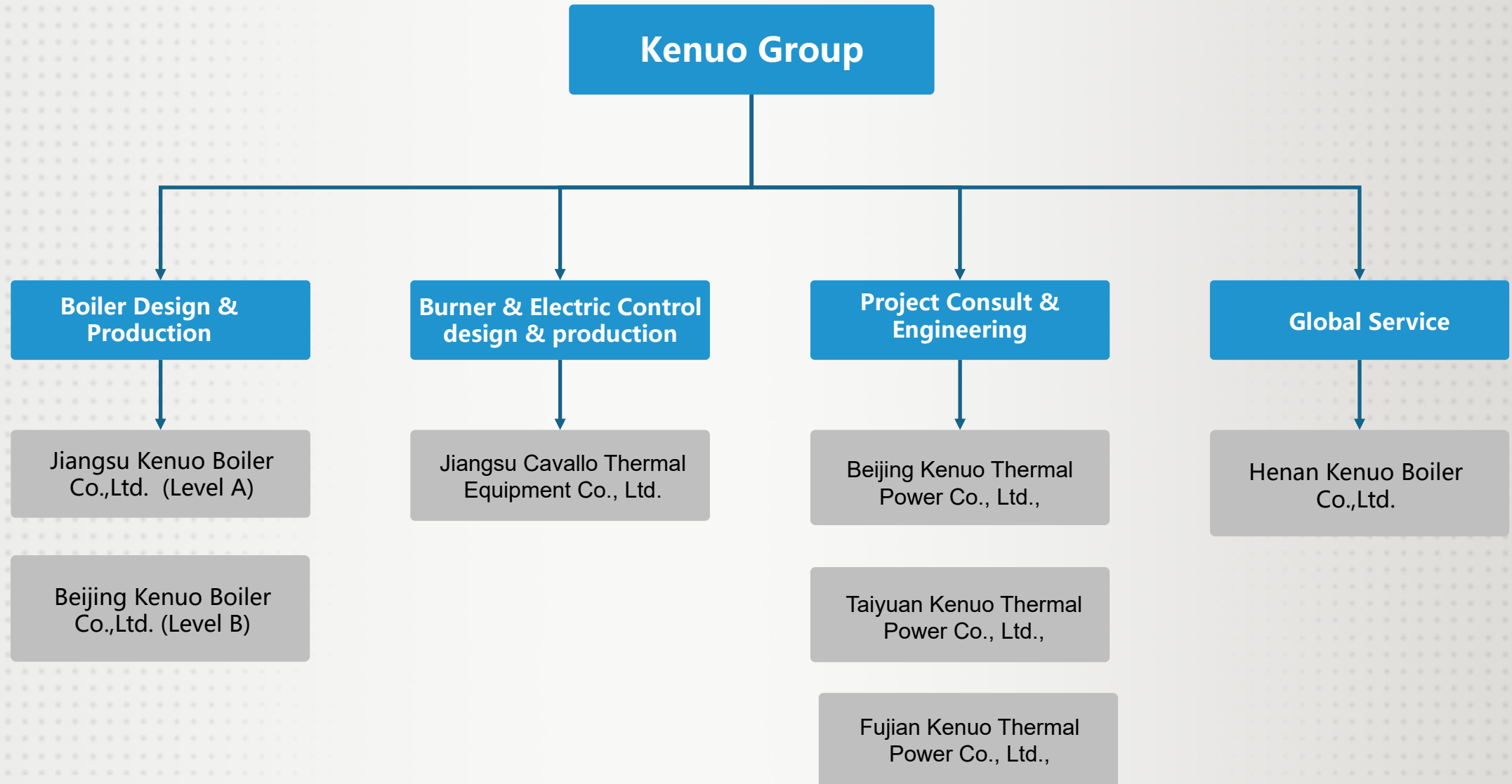
KENUO COMPANY

Core Business Philosophy: "Technology, Precision,
Innovation, Win-Win."

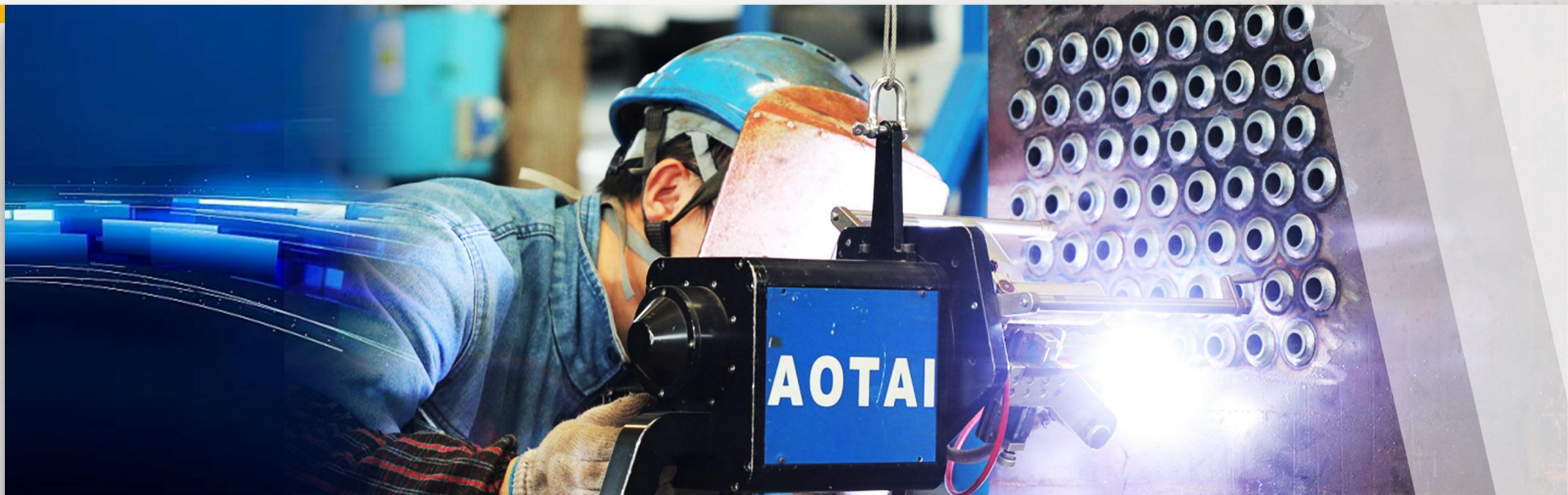


- ➔ Kenuo Boiler is a leading comprehensive thermal energy industrial group focus on the research and development, production, sales, and investment operation of industrial boilers.
- ➔ Established in 1987 initiated by the Chinese Academy of Sciences, Kenuo Boiler has over 30 years of boiler industry experience. Now Kenuo owns seven subsidiaries, including Beijing Kenuo Boiler Co., Ltd. (Level B boiler manufacturer), Jiangsu Kenuo Boiler Co., Ltd. (Level A boiler manufacturer), Jiangsu Cavallo Thermal Equipment Co., Ltd., Beijing Kenuo Thermal Power Co., Ltd., Taiyuan Kenuo Thermal Power Co., Ltd., Fujian Kenuo Thermal Power Co., Ltd., and Henan Kenuo Boiler Co., Ltd.
- ➔ With its profound technical expertise and industry experience, Kenuo Boiler is committed to providing high-quality and efficient thermal energy solutions, driving industry development, and achieving sustainable growth.





MAIN BUSINESS



Boiler manufacture

Provide R&D, production, sales of eco-friendly boilers.
Provide professional pre-sale and after-sale service.

Thermal investment & operation

Provide thermal power operation for large commercial and residential heating projects.
Provide thermal integration investment for industrial engineering projects.

Thermal system integrated service

Make clean and efficient thermal system.
Provide high-quality thermal services

- Two production bases in Beijing (Level B) and Jiangsu (Level A).
- Integrated boiler manufacturer combines burner, boiler, and electric control.
- Focus on energy-saving boiler design and production for more than 30 years.
- Annual production scale > 5000tons .
- Strong technical research and development capabilities, product design combines beauty and functionality.
- No.1 Brand of Integrated Energy-saing Boiler
- Superior quality&service.



Industry Status

Focus on gas and oil boiler for more than 30 years. No. 1 brand of Low Nox High Efficiency Condensing Boiler



Superior Quality&Service

One end user customer purchased totally 48 sets Kenuo boilers for 8 different phase projects



Most Advanced Technology

Combine combustion, heat transfer and accurate control trinity coupling technology, Highest efficiency & reliable performance

01

Finished Boilers Area



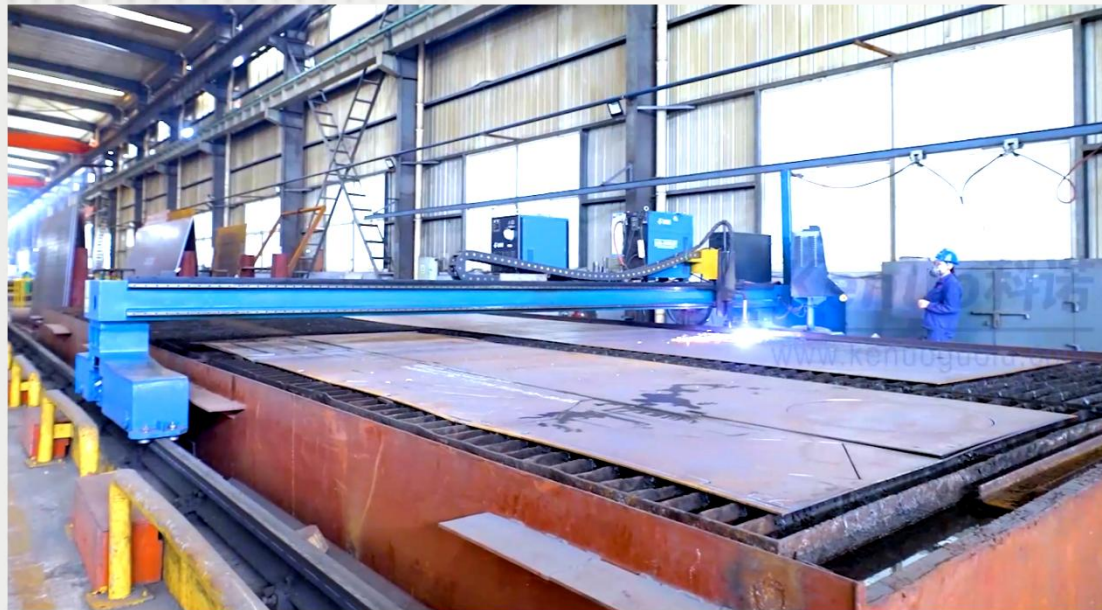
02

Production Workshop



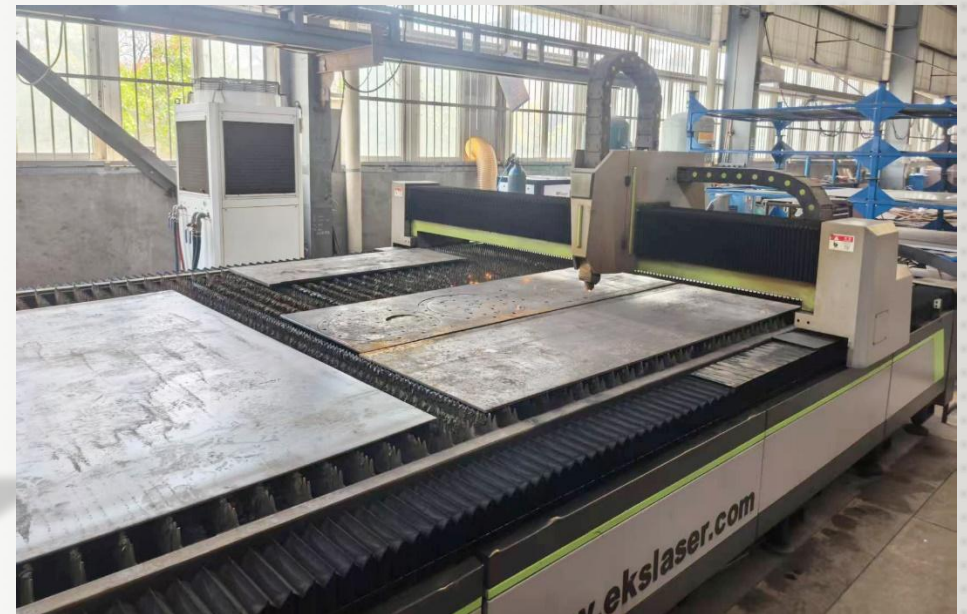
03

CNC Plasma Cutting Machine for
Carbon Steel



04

CNC Laser Cutting Machine for
Stainless Steel



05

Automatic Coil Machine
(Capacity 108mm)



06

Automatic Cold Rolling Machine
(60mm)



07

Automatic Submerged-arc
Welding Machine



08

Automatic Tubesheet Welding



09

High-Speed Drilling and Milling Machine



10

Radial Drilling Machine



11

**Membrane Wall Production Line
(Essential for A-Level Manufacturing)**



12

Welding Flip Platform



13

Threaded Tube Production Line



14

Fin Tube Production Line



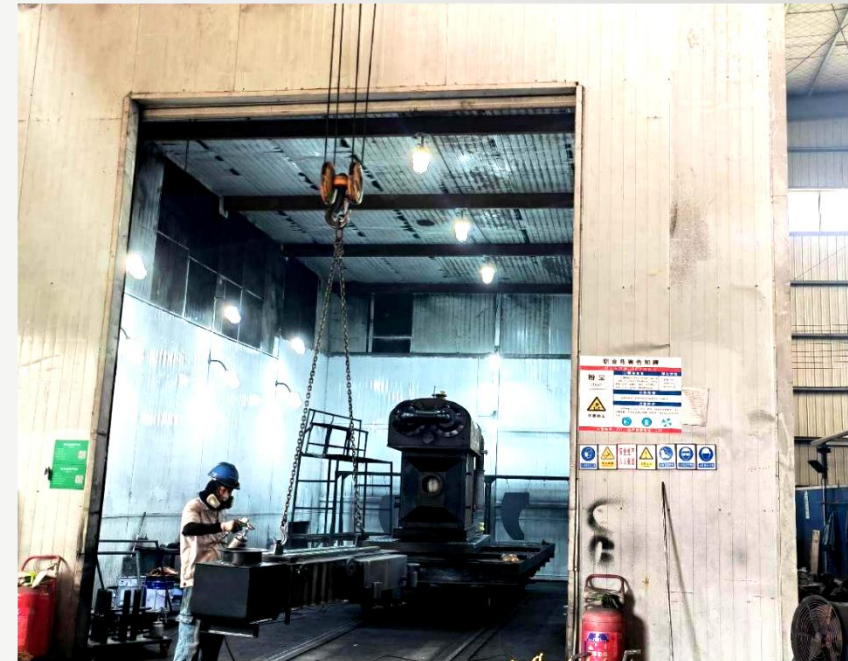
15

Threaded Tube Production Line



16

Paint room





Radial Drilling Machine



Bending Machine



Welding Robot



Physics Laboratory



Chemical Laboratory

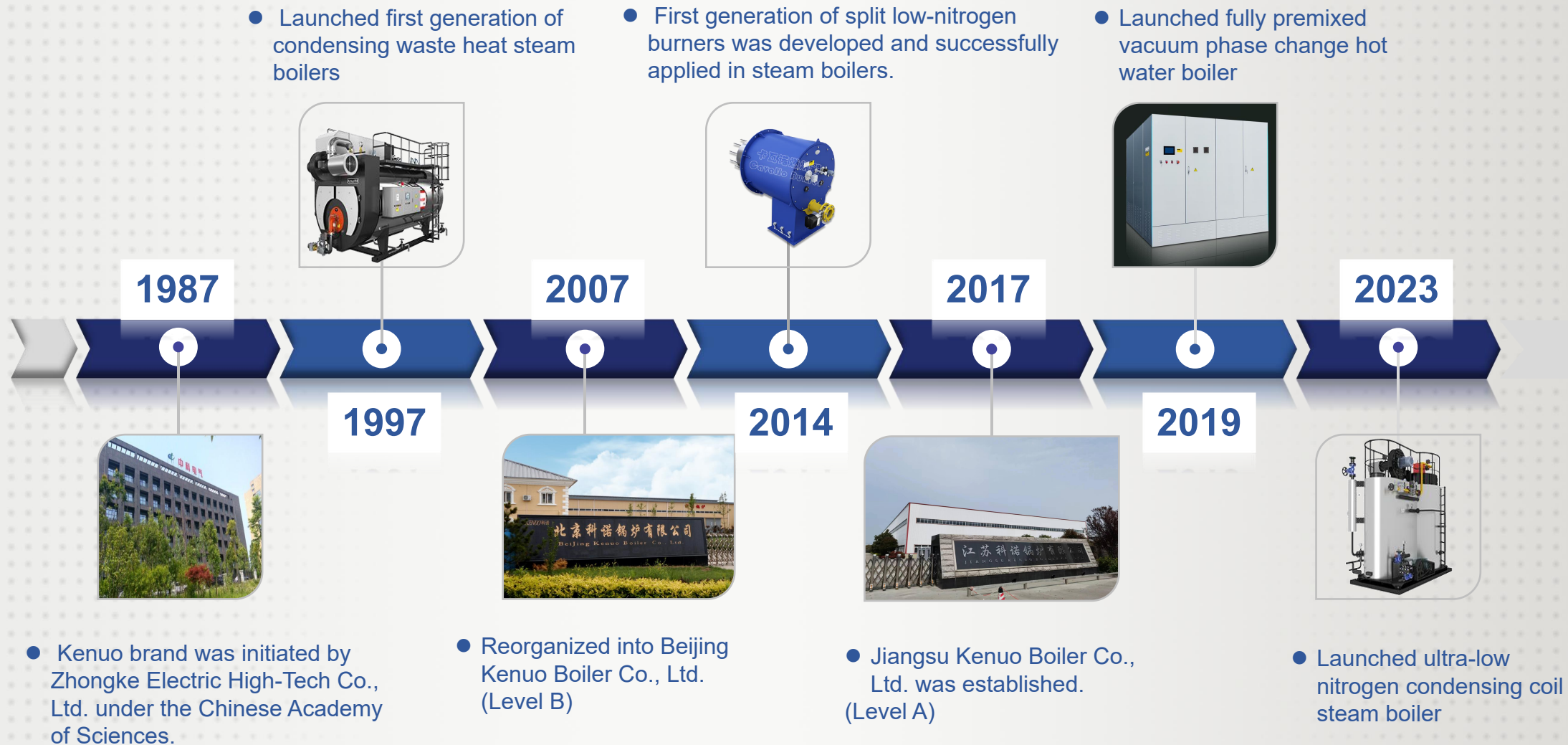


Ultrasonic detector




Inspection tool

HISTORY



KENUO ACTIVITY






中华人民共和国
特种设备生产许可证
Production License of Special Equipment
People's Republic of China

编号：TS2110060-2026

单位名称：江苏科诺锅炉有限公司
住 所：江苏省扬州市江都区丁沟工业集中区振兴东路129号
制造地址：江苏省扬州市江都区丁沟工业集中区振兴东路129号
经审查，获准从事以下特种设备生产活动：

许可项目	许可子项目	许可参数	备注
锅炉制造	锅炉（A）	—	

发证机关：国家市场监督管理总局
有效期至：2026年08月30日



Jiangsu Kenuo Boiler
(Level A Production
License)

中华人民共和国
特种设备生产许可证
Production License of Special Equipment
People's Republic of China


编号：TS3132275-2027

单位名称：江苏科诺锅炉有限公司
住 所：扬州市江都区丁沟工业集中区振兴东路129号
办公地址：江苏省扬州市江都区丁沟工业集中区振兴东路129号

经审查，获准从事以下特种设备的生产活动：

许可项目	许可子项目	许可参数	备注
承压类特种设备 安装、修理、改造	锅炉安装(B) (含修理、改造)	—	无损检测外委， 理化检验外委

发证机关：江苏省市场监督管理局
有效期至：2027年08月22日 发证日期：2023年07月19日



江苏省市场监督管理局制

Jiangsu Kenuo Boiler
Boiler Installation
Licence


中华人民共和国
特种设备生产许可证
Production License of Special Equipment
People's Republic of China


编号：TS2111004-2025

单位名称：北京科诺锅炉有限公司
住 所：北京市北京经济技术开发区(大兴)采育镇育政街十四号
制造地址：北京市北京经济技术开发区(大兴)采育镇育政街十四号
经审查，获准从事以下特种设备生产活动：

许可项目	子项目	许可参数	备注
锅炉制造(含安装 (散装锅炉除外))、修理、改造	锅炉(B)	锅炉(B)	/
锅炉制造(含安装 (散装锅炉除外))、修理、改造	锅炉(B)	锅炉(B)	/

发证机关：北京市市场监督管理局
有效期至：2025年11月07日





第1页 共1页
扫描或登录发证机关网站验证

Beijing Kenuo Boiler
(Level B Production
License)


中华人民共和国
特种设备生产许可证
Production License of Special Equipment
People's Republic of China


编号：TS3111270-2028

单位名称：北京科诺锅炉有限公司
住 所：北京市大兴区采育经济开发区育政街十四号
办公地址：北京市大兴区采育经济开发区育政街十四号
经审查，获准从事以下特种设备生产活动：

许可项目	子项目	许可参数	备注
承压类特种设备 安装、修理、改 造	锅炉安装(含修理、 改造)(B)	/	/

发证机关：北京市市场监督管理局
有效期至：2028年12月08日





第1页 共1页

Beijing Kenuo Boiler
Boiler Installation
Licence



ISO Certificate
Jiangsu Kenuo Boiler



ISO Certificate
Beijing Kenuo Boiler



ISO Certificate
Jiangsu Kenuo Boiler



EAC Certificates



Ultra Low Nox
Circulation
Condensing Boiler



Ultra Low Nox
Condensing Waste
Heat Boiler



Ultra Low Nox
Circulation
Condensing Boiler



Ultra Low Nox
Circulation
Condensing Boiler

Part 3

KENUO PRODUCT

Product Philosophy: "Technolgy, Innovation,
Standardization, Safety."



**Kenuo Boiler Make
Energy-saving to Extreme**



Energy Saving

Kenuo boiler pioneering 4 level energy-saving design, highest efficiency in the market, makes boiler energy-saving to extreme.

Safety

Multi-level safety protection device plus use the superior materials and strict quality control ensure boiler safe operation.

Inteligient control

Optimized PLC automatic control, frequency conversion technology saves more power and energy.

Precision Production

Kenuo keeps Craftmanship spirt for precision production to ensure the superior quality and win good reputation.



98%
Efficiency

MAIN PRODUCTS

1

GXZ -3 Series 3 Pass Gas Oil Steam Boiler

GXZ-3 Series is the latest generation of high-efficiency, energy-saving, and environmentally friendly steam boilers developed by Kenuo. This boiler features a horizontal internal combustion wet-back design with an off-centered three-pass flue gas structure, fully new type corrugated furnace and threaded smoke tubes. It is equipped with high-efficiency economizer and an air-cooled front smoke box, has features of Stable water level, Consistent steam pressure, High steam dryness, Low flue gas resistance High thermal efficiency Low fuel consumption.

Basic parameters

【Steam capacity】 1t/h~30t/h

【Fuel applicable】 Natural gas, LPG, Diesel, Heavy oil, etc.

【NOx emission】 $\text{NO}_x \leq 30 \text{mg/m}^3$

【Heat efficiency】 Designing efficiency $\geq 97\%$

【Application】 Suitable for various industries such as food processing, textile, pharmaceutical, papermaking, tobacco, printing and dyeing, chemical, hospital, laundry, lithium battery, etc.; it can also provide hot water for steam-water heat exchanger heating systems.

 103%
Efficiency

MAIN PRODUCTS

1

LNZ Series Air Preheating Gas Condensing Steam Boiler

It adopts two-pass wet back boiler body, a built-in high efficiency fresh air preheater and an external integrated economizer & condenser. Arc-shaped double-opening furnace door, large furnace for full mixed combustion and high-efficiency threaded smoke tube heat transfer; the furnace has a unique low-nitrogen combustion technology; Equipped with ABB inverters, split low-nitrogen burners, 7/10-inch LCD touch screen and high-performance PLC controllers to realize boiler automation control; the boiler has a compact structure and a novel beautiful appearance.

Basic parameters

【Steam capacity】 2t/h~30t/h

【Fuel applicable】 Natural gas, LPG, LNG etc.

【NOx emission】 $\text{NO}_x \leq 30\text{mg/m}^3$

【Heat efficiency】 Designing efficiency $\geq 102\%$

【Application】 Suitable for various industries such as food processing, textile, pharmaceutical, papermaking, tobacco, printing and dyeing, chemical, hospital, laundry, lithium battery, etc.; it can also provide hot water for steam-water heat exchanger heating systems.

● BOILER FEATURES



High efficiency up to 103%

Multi-level energy saving device, super large furnace, threaded tubes, economizer, condenser, air preheater



Highly integrated design

Highly integrated boiler system design, Minimum footprint, save boiler installation time & cost.



Lowest fuel consumption

Split-type burner with VFD combustion control, accurate air volume and pressure control, fuel burnout rate 99%, save fuel cost.



High steam quality

Unique runway oval shape reversal chamber, increased the steam space, steam dryness up to 99.8%



Almost 0 maintenance

Unique air cooled smoke box design without refractory cement, maintenance-free,



Super long service life

Adopt the quality boiler materials and strict quality control, ensure boiler life over 30 years.



 103%
Efficiency

MAIN PRODUCTS

2

LNR Series Gas Oil Condensing Hot Water Boiler

It's a horizontal internal combustion wet back two-pass integrated structure, with a built-in air preheater and an external low-resistance ring-wing condensing economizer design; it adopts a low-center symmetrical layout, a large furnace with full mixed combustion and high-efficiency threaded smoke tube heat transfer; Equipped with split low-nitrogen burner, the first low-nitrogen coupled combustion technology, fully meets the ultra-low NOx emission standards; equipped with PLC intelligent controller to realize boiler automation control; the boiler has a compact structure and a novel and beautiful appearance.

Basic parameters

【Steam capacity range】 0.7MW~17.5MW

【Fuel applicable】 Natural gas, LPG, Diesel, Heavy oil

【NOx emission】 $\text{NOx} \leq 30\text{mg/m}^3$

【Heat efficiency】 Design efficiency $\geq 103\%$

【Application】 It is suitable for all sanitary hot water, heating (floor radiation heating, radiator heating, air conditioning heating) and industrial water heating in any place, as well as heating and sanitary hot water in high-rise buildings.

● BOILER FEATURES

Economizer&Condenser Integrated

Heat efficiency up to 103%

High Efficient Air-preheater

Hot air enhance combustion, improve boiler efficiency and reduce fuel

Overhead Fan& SS Muffer

Low noise, stable air volume consumption

High efficient thread smoke tube

Enhance boiler heat transfer and heat exchange surface, improve boiler

Super Large Furnace Design

Extended full corrugated furnace, Increase heat exchange area and reduce nitrogen oxides

Intelligent control cabinet

Automatic intelligent program monitors boiler operation status in real time



High efficiency up to 103%



**102%
Efficiency**

MAIN PRODUCTS

3

PGS Series Gas Oil Coil Consensing Steam Boiler

This condensing steam boiler is newly developed by Kenuo boiler, has the features of small water volume, safe and reliable performance. It adopted unique and durable coil structure, inner circulation created super low pressure difference, and smaller thermal stress shock, higher heat efficiency and longer service life. Compared with traditional once-through water tube boiler, has lower water quality requirement. Equipped with intellegent controller can realize boiler fully automatic control.

Basic parameters

【Steam capacity】 0.5t/h~10t/h

【Fuel applicable】 Natural gas, LPG, Diesel, Heavy oil

【NOx emission】 $\text{NOx} \leq 30\text{mg/m}^3$

【Heat efficiency】 Desing efficiency $\geq 102\%$

【Application】 It is suitable for industrial manufacturing, medicine, food, beverage, chemical industry, chemical fiber, electronics, lithium battery, coating, papermaking, etc. It can also be used in hospitals, hotel disinfection, air conditioning humidification, hotel catering and other civil fields.

● BOILER FEATURES

1

Safe&reliable
Intelligent operation

2

Fast steam generation
in 2-3 minutes

3

Smallest footprint
supply heat on demand



High steam dryness >98%

4

Ultra-low nitrogen
emission <30mg/m³

5

Deep condensation high efficiency
up to 102%, lowest fuel cost

6

MAIN PRODUCTS

SZW Series Biomass Fired Steam Boiler

This new reciprocating grate biomass steam boiler is developed by Kenuo, which is the most suitable furnace type for burning wood chips & waste wood. Compared with the old reciprocating grate biomass steam boiler, it is more energy-saving, more efficient and more stable. Furnace adopt closely packed water-cooled wall tubes or membrane water-cooled wall structure with good sealing performance. Modular structure design and high assembly degree.

Applicable fuels: Wood processing waste, agricultural production, gardening, horticultural waste, etc., can be applicable to low calorific value, high moisture biomass fuel

Basic parameters

【Steam capacity range】 6-60 ton/hr

【Fuel applicable】 Wood chip, wood waste, other biomass fuels.

【Heat efficiency】 Design efficiency ≥ 86%

【Application】 Widely used for wood processing factory, food factory, textile and dyeing factory, oil refinery plant, chemical factory rubber plant, any production factory has biomass fuels and steam requirement.



99%
Efficiency



MAIN PRODUCTS

5

WDR Series Industrial Electric Steam Boiler

Features:

- » High degree of automation and easy operation.
- » Highly integrated, simplest installation.
- » Highly safety control with alarm and interlock.
- » Thermal efficiency 99%
- » Eco-friendly. No pollution, no noise, clean boiler.

Basic parameters

【Steam capacity】 0.2-10ton/hour, 30-600BHP

【Fuel applicable】 Electric powered

【NOx emission】 0

【Heat efficiency】 Efficiency $\geq 99\%$

【Application】 Suitable for various industries such as food processing, pharmaceutical, papermaking, tobacco, printing and dyeing, chemical, hospital, laundry, any industry require clean and electric steam.

MAIN PRODUCTS

YYQW/YYQL Series Gas Oil Thermal Oil Heater Boiler

This boiler adopts 3 coils wetback structure, The main boiler body is composed of an outer coil, a middle coil and an inner coil, between coils is flue gas. Compared with 2 pass dry back structure, this structure has larger heat area and more durable, has longer service life. Boiler can be vertical or horizontal structure.

Compared with steam boiler, It can reach a high operating temperature at low pressure and can do high-precision control on the heat medium.

Basic parameters

【Thermal power range】 30-1500x 10⁴ Kcal/hr, 350KW-14MW/hr

【Fuel applicable】 Natural gas, LPG, Diesel, Heavy oil, Dual fuel

【NOx emission】 NO_x ≤ 30mg/m³

【Heat efficiency】 Designing efficiency ≥ 96%

【Application】 Widely used for textile and dyeing factory, oil refinery plant, plywood factory, chemical factory rubber plant, any production process require high temperature over 200 degree C.



**109%
Efficiency**

MAIN PRODUCTS

7

NBR Stainless Steel Condensing Hot Water Boiler

Kenuo Cavallo ultra-low nitrogen stainless steel fully condensing boiler is a newly upgraded high-efficiency boiler. Adopts 316L stainless steel, efficient fire tube structure and large water volume design, with thermal efficiency up to 109%; equipped with Cavallo variable frequency fully premixed ultra-low nitrogen burner, NOx emissions can be as low as $\leq 25\text{mg/m}^3$, far below the international emission standards; extremely low flue gas heat loss, exhaust temperature can be as low as $\leq 35^\circ\text{C}$. The boiler has an ultra-long service life of 30 years, occupies a small area.

Basic parameters

【Steam capacity range】 360KW~3000KW

【Fuel applicable】 Natural gas, LPG, Diesel, Heavy oil

【NOx emission】 $\text{NOx} \leq 30\text{mg/m}^3$

【Heat efficiency】 Design efficiency $\geq 109\%$

【Application】 It is used for heating and sanitary hot water in any place and high-rise buildings for heating and sanitary hot water, including all sanitary hot water, heating (floor radiation heating, radiator heating, air conditioning heating) and industrial water heating.

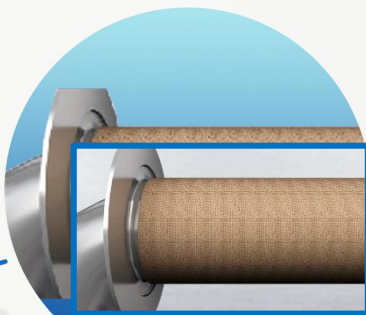
SIEMENS

Touch screen controller



CAVALLO
卡瓦诺

Full premix burner



CAVALLO
卡瓦诺

Stainless steel
heat exchanger



AMETEK ebmpapst
Frequency conversion fan



SIEMENS

Burner valve group



中意合资 · 国际标准

Part 4

KENUO SERVICE

“True Love every customer, Fast Response,
Professional technical support, Efficient problem solving.”

Kenue 科诺锅炉
中意合资 国际标准

PRE-SALE SERVICE

1

SYSTEM DESIGN

Design the optimal boiler system solution according to customer's heat demand to ensure excellent performance.

2

BOILER SELECTION

Provide professional advice to choose the most suitable boiler type based on production requirement.

3

DRAWINGS

Provide all boiler drawings, process drawing, also design boiler room layout according to customer site.

4

CUSTOMIZATION

Contact customers for innovative needs and carry out customized design and development with customers"



IN-SALE SERVICE

1

Update production progress and delivery plan in real time, ensure on-time delivery.

2

Provide accurate packaging and transportation solutions.

3

Arrange shipment services and freight rate analysis.

4

Apply for certificates of origin to reduce customer import tariffs.

5

Assist third-party inspections, provide all material quality certification, welding test report, hydraulic test report etc. .



AFTER-SALE SERVICE



DOCUMENTS

Provide installation guidance documents include installation manual, related pipeline drawings, electric control drawings, video guide, etc.



ENGINEER ONSITE SERVICE

If the customer need, engineers can be sent to the site for installation guidance, commissioning, and operation training services.



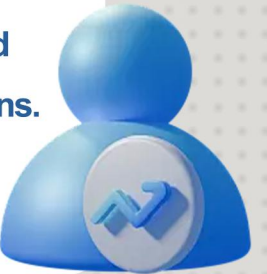
LOCAL AFTER-SALE SERVICE

Set up local after-sales service outlets and store commonly use spare parts to provide convenient maintenance.

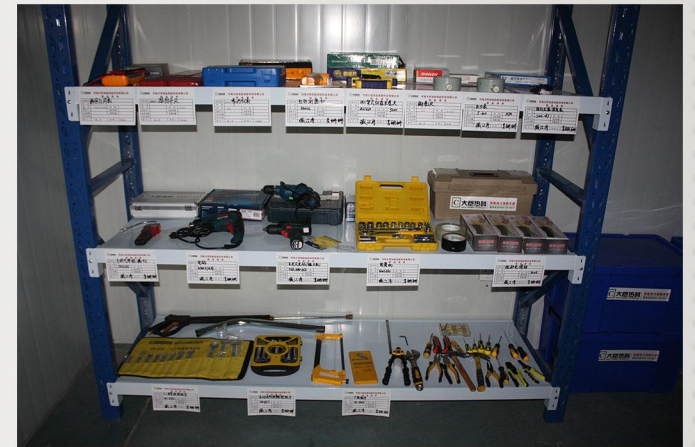


CLIENT REVIEW

Conduct after-sales return visits once a quarter, listen to customers' voices and continuously improve our service to exceed customer expectations.



MAINTENANCE CENTER



KENUO CLIENTS

ICBC 中国工商银行
INDUSTRIAL AND COMMERCIAL BANK OF CHINA



国家电网
STATE GRID



Sheraton
HOTELS & RESORTS



兰州轨道交通
LANZHOU RAIL TRANSIT



九华集团
JIUHUA GROUP (BEIJING)



中航国际
AVIC INTL



EVE
ENERGY VERY ENDURE



宏大投资
HONG DA INVESTMENT COMPANY

CATL
宁德时代



北科建集团
BSD



中国石油
CHINA NATIONAL PETROLEUM

PROJECT 01

Contemporary Amperex Technology Co., Ltd.

Contemporary Amperex Technology Co., Ltd. (CATL), is a world-leading new energy innovation technology company committed to providing first-class solutions and services for global new energy applications. In 2023, CATL's global power battery usage market share was 36.8%. From 2017 to 2023, CATL's power battery usage ranked first in the world for seven consecutive years.

CATL is KENUO Loyal Customer
From 2017, have purchased totally 48 Sets gas
boilers for their 1-8 phases projects.



CLASSIC CASES

- Purchase time: May, 2015
- Boiler name: Ultra Low NOx Rear Air Preheating Steam Steam Boiler
- Boiler Model : 4 sets WNS8.0-1.25-Q(LN)
3 sets WNS6.0-1.25-Q(LN)
- Application: Industrial manufacturing



宁德新能源

Amperex Technology Limited



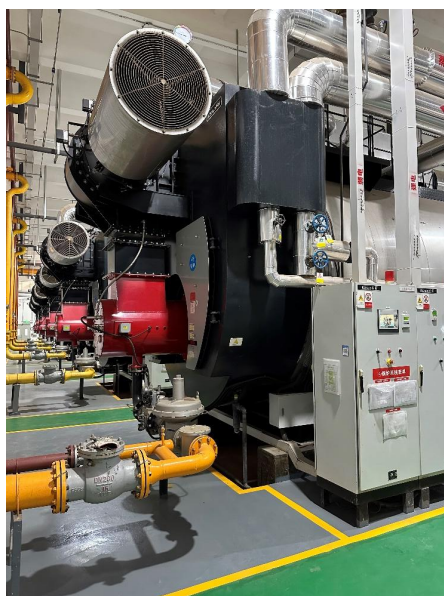
20 tons/hr Gas Fired Saturated Steam Steam Boiler for Phase 1-2 project

- Purchase time: May, 2021
- Boiler Model: NWNS20-1.25-YQ
- Quantity: 10 Sets
- Location: Yibin, China
- Application: Battery production



20 tons/hr Gas Fired Superheated Steam Boiler for Phase 3-4 project

- Purchase time: October, 2022
- Boiler Model: WNS20-1.25/230-Q(LNK)
- Quantity: 10 Sets
- Location: Yibin, China
- Application: Battery production



CLASSIC CASES

20 tons/hr Gas Fired Superheated Steam Boiler for Phase 5-6 project

- Purchase time: October, 2022
- Boiler Model: WNS20-1.25/230-Q(LNK)
- Quantity: 10 Sets
- Location: Yibin, China
- Application: Battery production



CLASSIC CASES



CLASSIC CASES

2 Sets 8.4Mw/hr Gas Fired Hot Water Boiler

- Purchase time: March, 2025
- Boiler Model: WNS8.4-1.0/115/95-Q
- Quantity: 2 Sets
- Application: Battery production



Boiler on site
acceptance



PROJECT 02

Hebei Jingche Rail Transit Vehicle Equipment

Hebei Jincheche Rail Transit Equipment Group, Founded in 2013, the company is mainly engaged in the independent research and development, design, production and sales of urban rail transit vehicles and urban train-related technologies, as well as the research and development, design, parts production, assembly and construction management of Beijing's maglev train-related technologies.



Project Details:

- Boiler type: Low NOx Condensing Steam Boiler
- Steam Capacity: 20 ton/hr
- Fuel: Natural Gas
- Purchase time: July, 2020
- Model: WNS20-1.25-Q(LNK)
- Quantity: 5 Sets
- Location: Beijing, China
- Application: Vehicle production





PROJECT 03

Tianjin Samsung Vision Co., Ltd

Tianjin Samsung Vision Co., Ltd. is a large joint venture established in July 1996 with the approval of the Ministry of Foreign Trade and Economic Cooperation. It is jointly invested by Samsung Vision (Hong Kong) Co., Ltd. of South Korea and Tianjin Electronic Instrument Industry Corporation.



Project Details:

- Boiler type: Low NOx Condensing Steam Boiler
- Steam Capacity: 15 ton/hr
- Fuel: Natural Gas
- Purchase time: July, 2020
- Model: WNS15-1.25-Q(LNK)
- Quantity: 2 Sets
- Location: Tianjin, China
- Application: production process

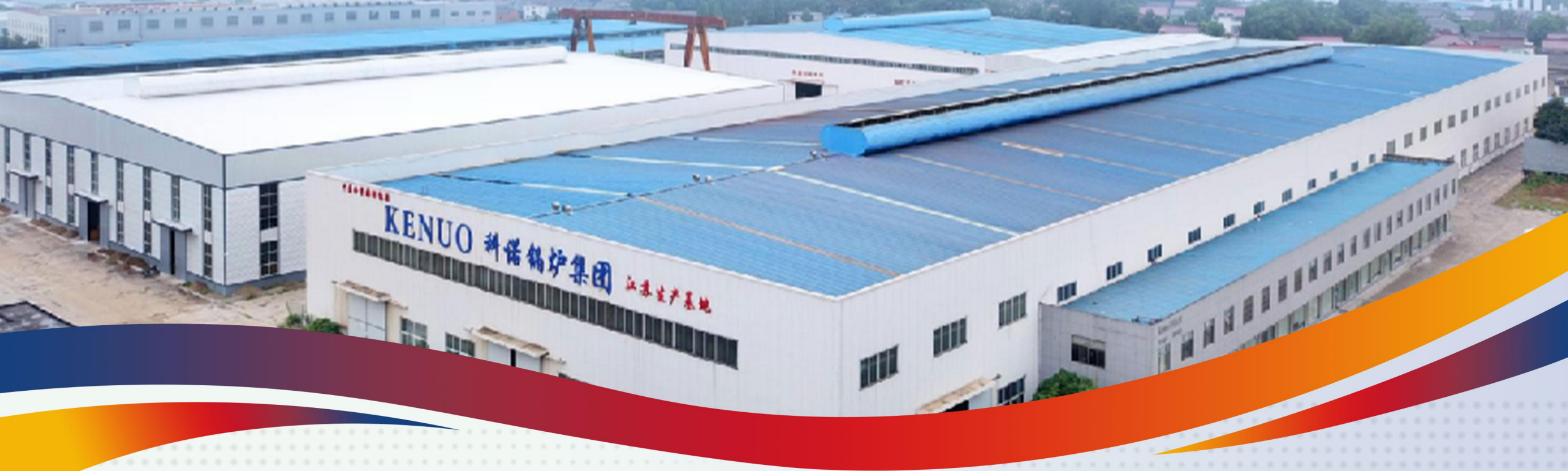




KENUO BOILER

—YOUR TRUSTWORTHY BOILER SUPPLIER—





HENAN KENUO BOILER CO., LTD (GLOBAL SERVICE CENTER)

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