

# **Company Introduction**

**Weifang Haitai Power Machinery Co.,Ltd**

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# A. Company Profile



Our company was founded by Mr. John Wang in 2012, composed of two subsidiaries, one is the import and export company, Weifang Haitai Power Machinery Co., Ltd., responsible for self-product and extension of the import and export business, the other is Shandong Pulita New Energy Technology Co., Ltd., is mainly responsible for product production, research and development and services.

Mr. John Wang has more than 10 years of experience in generator and biogas energy and biomass gasification industry, and has more professional understanding and insight for the above industries.

# B. Our Company

## ➤1. Weifang Office

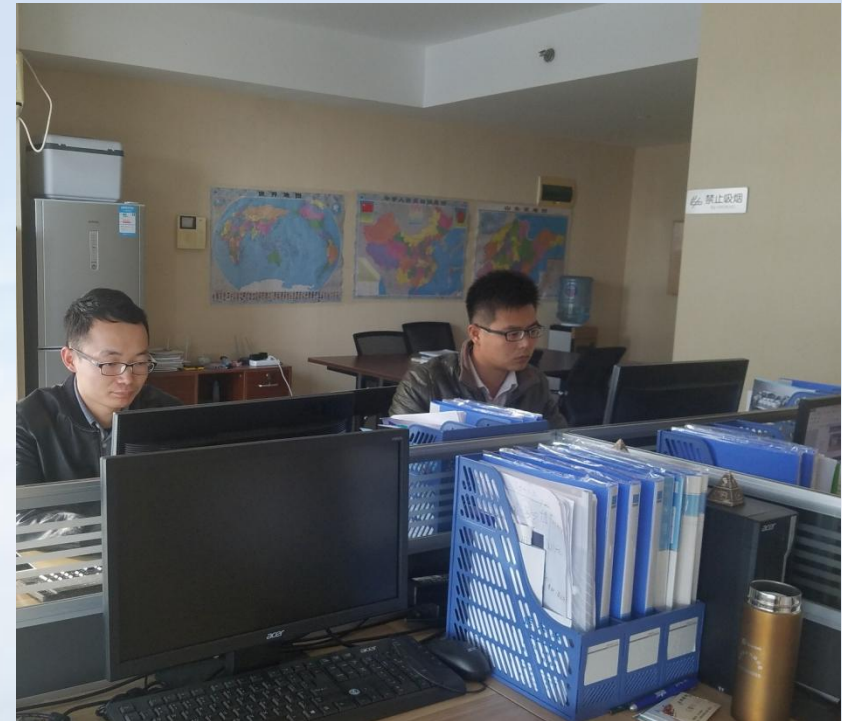


Weifang office is located in Weifang City, for customers to visit and negotiate. Sales staff work in here.



# B. Our Company

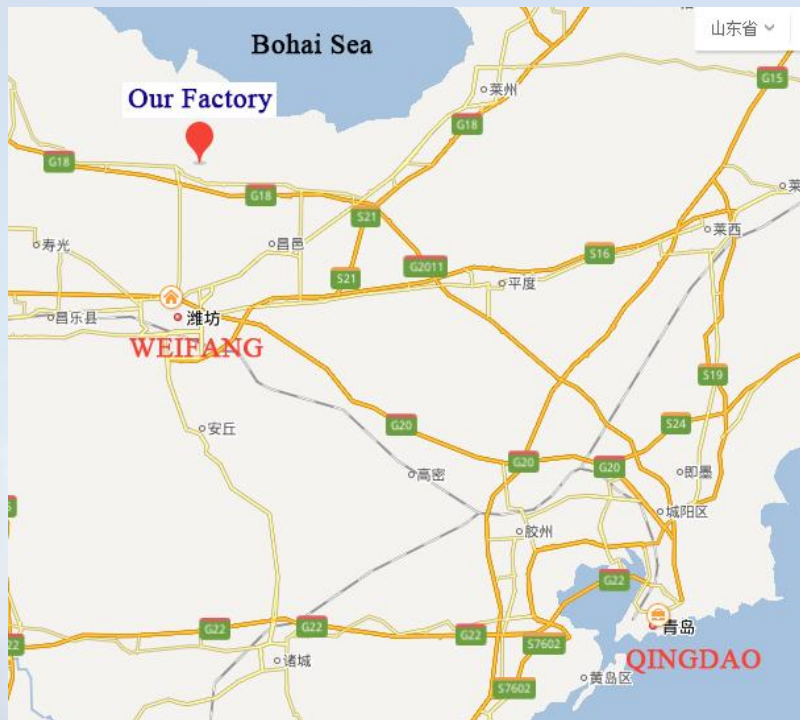
## ➤ 2. Qingdao Office



Qingdao office is located in Qingdao City, for foreign trade and reception of foreign guests. Part of the foreign trade sales staff work in here.

# B. Our Company

## ➤ 3. Our Factory



Our factory covers 26,000m<sup>2</sup>, steel structure workshop about 8,000 m<sup>2</sup>, where we manufacture products and testing.



# C. Our Products

## ➤ 1. Diesel Generator Set



Open Type



Soundproof Type



Super Silent Type



Mobile Type



Containerized Type



Lighthouse

The Power ranging from 2kW to 3000kW which covers varied types for general and special users, including soundproof type, mobile type, containerized type, intelligent type, high voltage generators etc.

We also have advanced generator set testing platform and stable parts inventory to make convincing quality and service in the global generator sets industry.

# C. Our Products

## ➤ 2. Gas Generator Set **Biogas and Natural Gas**

### Ricardo/Steyr series



**8kW-250kW**

The cheapest and most economical  
Lost cost maintenance

### Cummins series



**20kW-600kW**

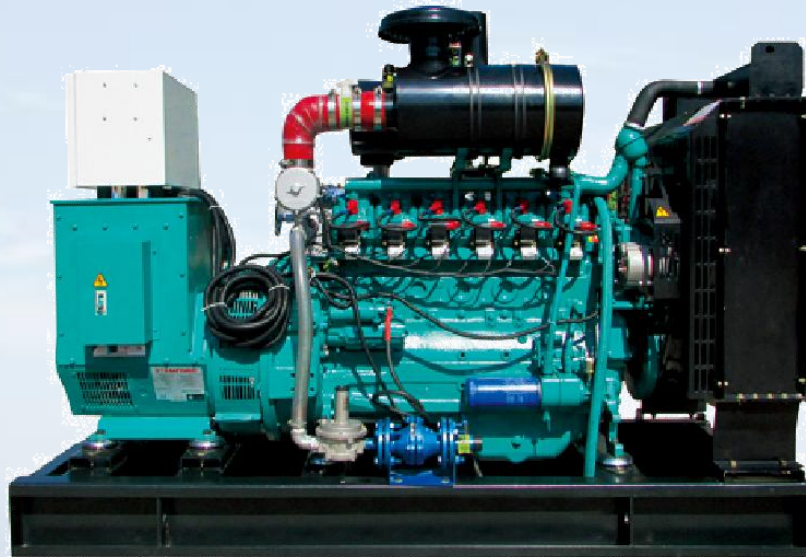
Global spare parts supply  
Well know engine brand



# C. Our Products

## ➤ 2. Gas Generator Set **Biogas and Natural Gas**

### Deutz series



**20kW-400kW**

Military products quality  
Perfect plateau adaptability

### Perkins series



**300kW-1000kW**

Global coverage  
Long service life  
Advanced technology

# C. Our Products

## ➤ 2. Gas Generator Set **Biogas and Natural Gas**

### MAN series



**48kW-500kW**

Long service life

Low consumption

Field tested technology

### Jichai series



**300kW-1200kW**

Low emissions

Long service life

Stable system

# C. Our Products

## ➤ 2. Gas Generator Set **Biomass gas, coal gas or other Syngas**



The biomass gas generator using the syngas produced from gasification system on waster rice husk, straw, wood flour, wood chips as raw materials.



# C. Our Products

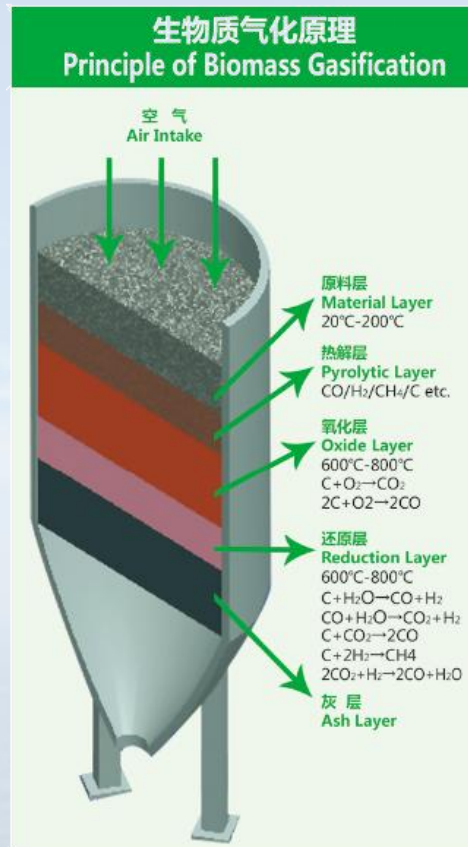
## ➤ 3. CHP / CCHP Gas Generator



This series gas generator set fully exchanged the heat of exhaust gas and high temperature circulating water of the engine through gas heat recovery system and plate heat exchanger in order to achieve the purpose of energy-utilized.

# C. Our Products

## ➤ 4. Biomass Gasifier System



Biomass gasification is from way produce a higher grade of combustible gas by heating solid biomass in a gasifier, while introducing air, oxygen, or water vapor. The characteristic of gasification rate up to 75% or more, thermal efficient can reach 85%.

## ➤ 5. Biogas Purification Equipment

We provide the biogas purification system includes a dry desulfurization tank and gas-water separator. Desulfurization tank contains the main steel structure, desulfurizer filler, observation window, pressure gauge thermometer and other components. During the process of reaching the top through the desulfurization filler layer, the  $H_2S$  reacts with the  $Fe_2O_3$  desulfurizer to achieve the purpose of removing  $H_2S$  (below  $20mg/m^3$ ). The gas-water separator removes the water from the gas by mechanical and physical dedicated raw material.

- Simple design , easy maintenance

- Double desulfurizer design for alternately running

- Skid-mounted design for easy installation and transportation





# D. Supply Chain Management

## ➤ Main Cooperation Brand

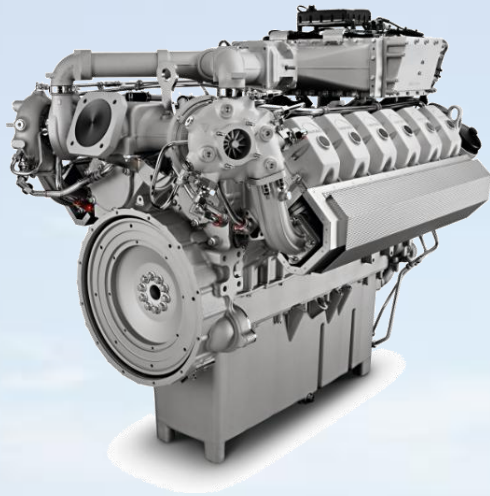


Mature supply chain is one of the criteria to test whether a company is based in the current industry. Supplier support is also an important foundation for the development of an enterprise.

After many years of development in the industry, we have established a mature supply chain system and have the relevant suppliers of quality, service and financial support.

# D. Supply Chain Management

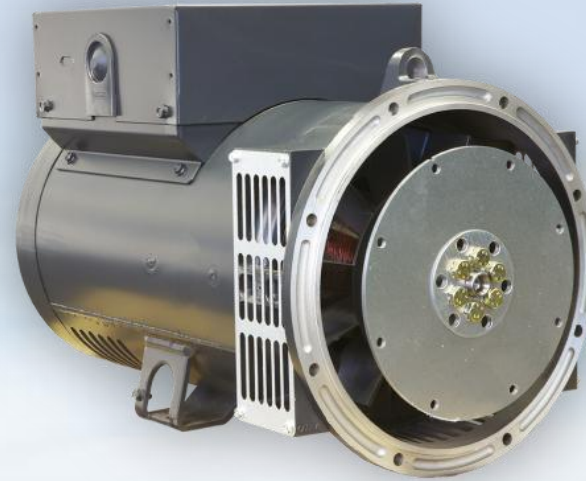
## ➤ 1. Main Components---Engine



After years of cooperation, we have established long-term and effective relationships with engine companies such as **PERKINS**, **CUMMINS**, **WEICHAI**, **DEUTZ**, **KVT**, **DOOSAN** or its agents, that we can get competitive prices, services, delivery and prompt supply of spare parts.

# D. Supply Chain Management

## ➤ 2. Main Components--- Alternator



We've got **STAMFORD**, **MARATHON**, **SIEMENS**, **LEROY-SOMER**, **meccalte**, **FALADAY**, **Evotec** and other companies OEM licensing, and be able to get a competitive price and delivery period.



# D. Supply Chain Management

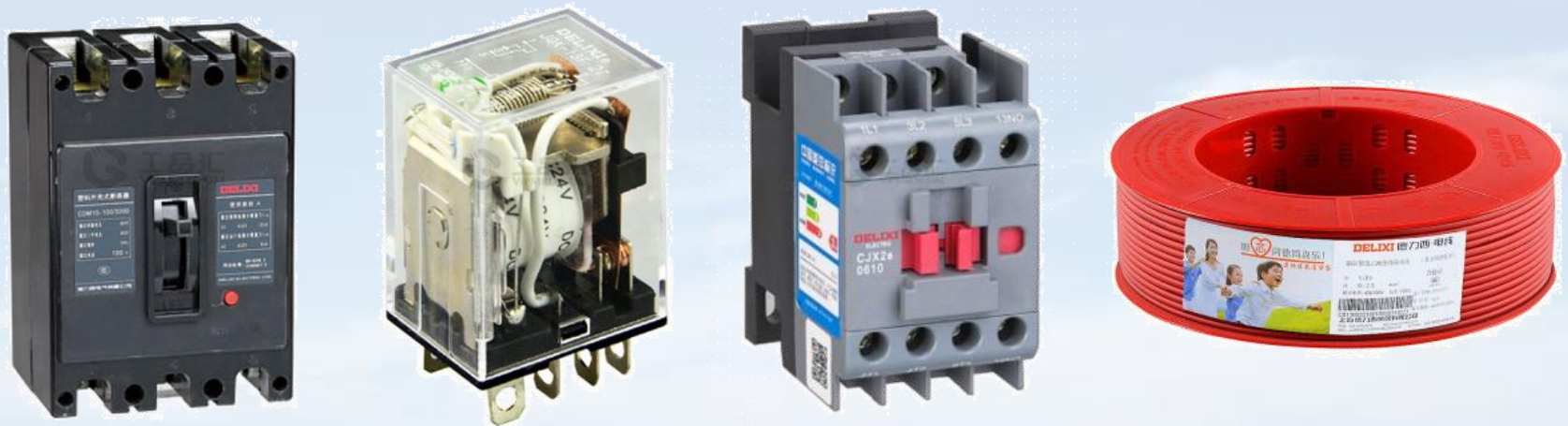
## ➤3. Main Components--- Silent canopy/Sheet metal parts



Relying on the strong industrial base of Weifang, we have two sheet metal suppliers in local, called ELITE and BOTAI, the two suppliers have more CNC machining equipment and workers, according to our drawings and requirements to produce Qualified products, and to customize the different styles and colors.

# D. Supply Chain Management

## ➤4. Main Components--- Electrical components



We usually use Schneider's OEM factory (named Delixi) as the main electrical components, including switch circuit breakers, relays, AC contactors, cable wires, cable bushings, frequency converters and so on.

# D. Supply Chain Management

## ➤5. Main Components--- Valve group

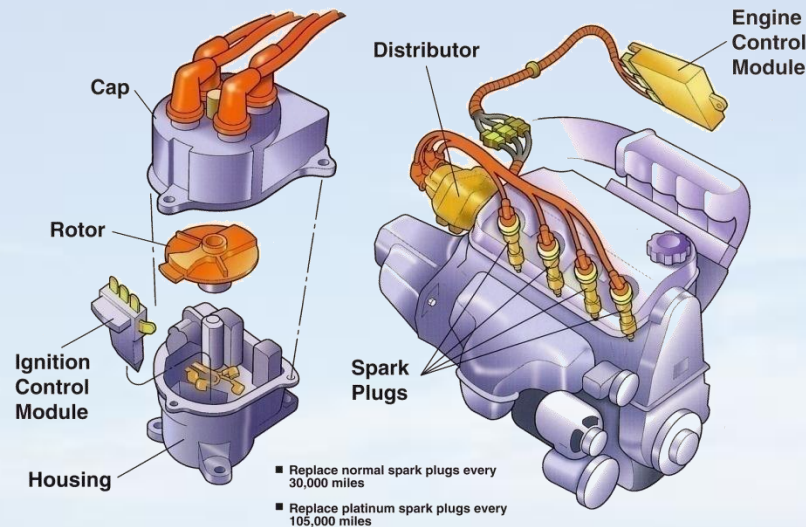


We use the Italian MADAS, Germany DUNGS, the United States FSIHER brands such as pressure regulating valve, electromagnetic switches and other components, these components used in gas pipelines and safety measures.



# D. Supply Chain Management

## 6. Main Components--- Ignition system and Control system



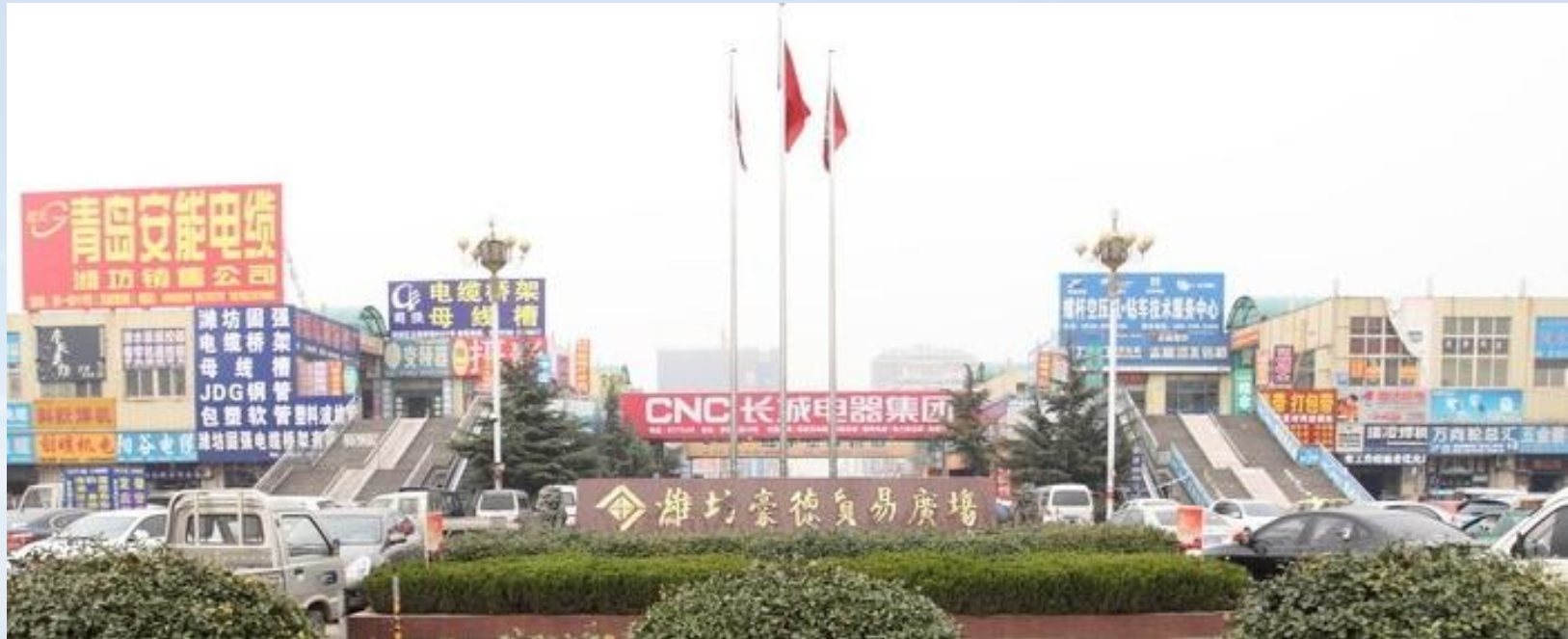
Due to the cost-effective reasons, we usually choose the domestic reliable electronic control system the ignition and operation of the engine, and we can also choose Germany Motortec, USA Woodward, Switzerland Huegli and other efficient ignition system. These imported systems can achieve closed-loop control and have automatic detection and control procedures.

If the biogas composition is relatively stable and clean, the domestic system can also achieve closed-loop control by installed with ample oxygen sensor.

The control system usually adopts Deepsea, ComAp, SmartGen etc, which have protection function, remote control and automatic grid-parallel.

# D. Supply Chain Management

## 7. Main Components--- Other connection components and steels



Due to Weifang is an industrial city, we have a good market for hardware materials for our use of high-quality steel, stainless steel and other components.

## ➤ Conclusion

Higher price / performance ratio is the main factor for products to adapt to the market. The optional supply chain allows us to tailor the best product solution to the needs of our customers.





# E. Our Certification



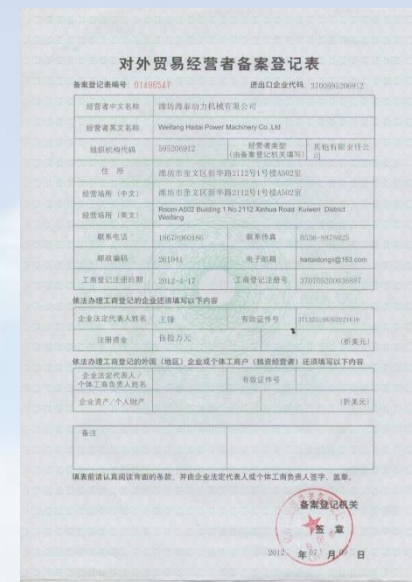
**Business License**



**CE Certificate**



**TEST Certificate**



**Exporting Proved Certificate**

## F. After-Service

We provide the corresponding customer after service according to different products.

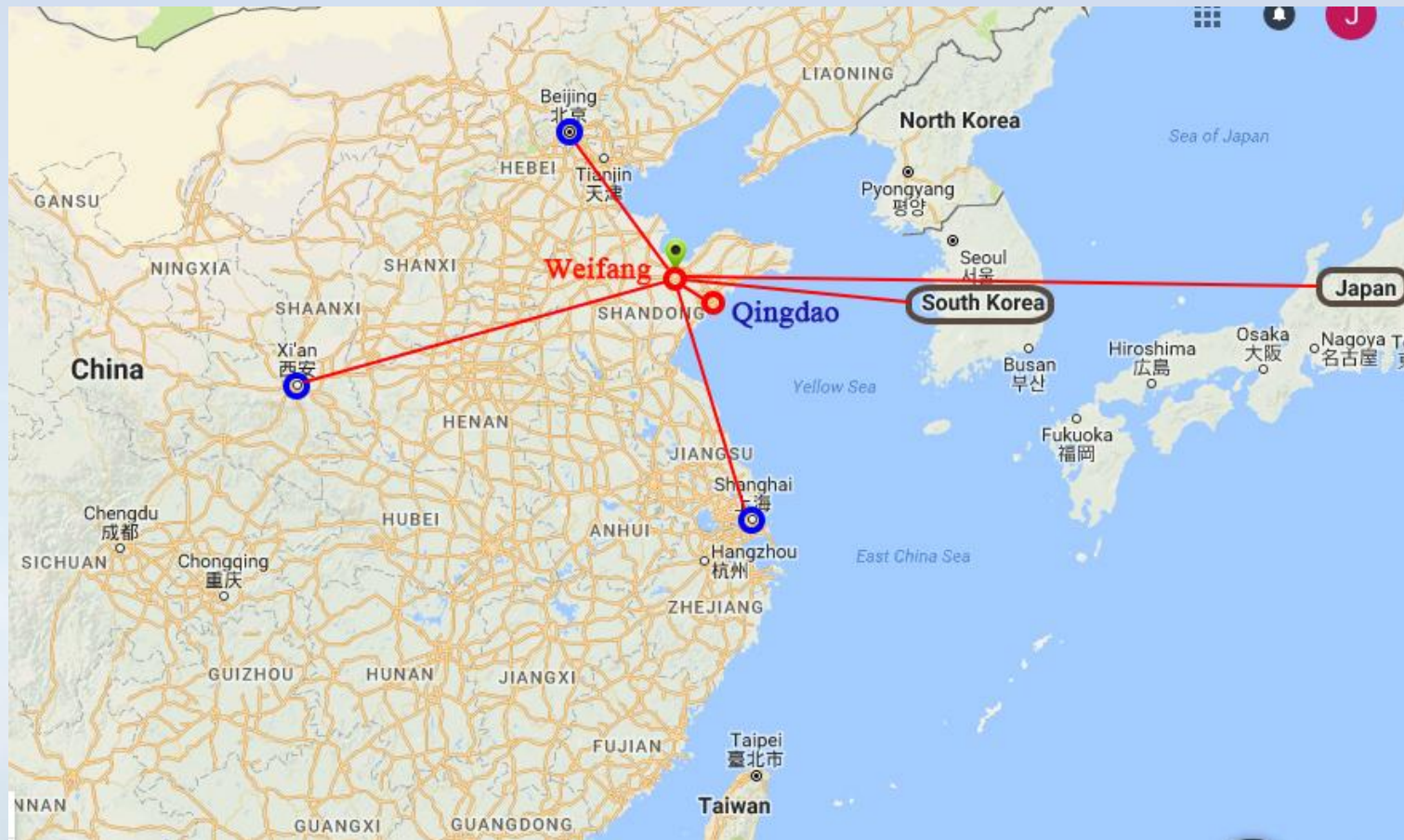
The diesel generator provides 1500 hours or 1 years of customer after service.

The gas generator set and the CHP is 2000 hours or 1 years of customer after service.

Biomass gasification system is 1 years of customer after service.

Can also be extended warranty services according to customer requirements when both sides negotiated.

# G. The Local Status



The distance from Qingdao is 1hour, Beijing is 2.5hour.

Traditional industrial city, with an annual output value of 150 billion yuan of Weichai power, Shandong Haihua, GoerTek and other large enterprises.

Wei Fang has a better industrial processing base and supporting system.



# G. The Local Status



Weifang's position in One Belt And One Road

# H. Successful Case



200kW, Gasification system, Pisa Italy



50kW, Gasification system, MARCON Italy



60kW, Gasification system, Taiwan



400kW, Gasification system, Srilanka



100kW, CHP system, Manchester



200kW, Biogas generator, Puerto Rico



300kW, Biogas generator, Thailand



20kW, Biogas generator, Panama



20kW, Two Biogas generator sets with CHP,  
Henan China



# Thank you!

