

# Ningbo Beilun Environmental Protection Solid Waste Disposal Co., LTD

Heat source condition: saturated steam

Pressure: 0.8MPaA

Flow rate: 6 t / h

Total installed capacity: 890kW

Net power generation: 700kW

Annual power generation: 5.6 million degrees

Annual benefit: 3.92 million yuan

Annual standard coal saving: 1,960 tons

Annual CO2 emission reduction: 4,657 tons



# Hangzhou Tianziling Waste Treatment Project

Heat source conditions: Caterpillar gas turbine  
discharge flue gas and cylinder liner water  
converted into 159°C hot water

Flow rate: 43t / h

Total installed capacity: 710kW

Net power generation: 491kW

Annual power generation: 3.93 million degrees

Annual benefit: 2.75 million yuan

Annual saving of standard coal: 1,375 tons

Annual CO2 emission reduction: 3,267 tons



# Henan Jinmei Tianqing Coal Chemical Industry Co., LTD

Heat source condition: 150°C of water steam

Flow rate: 6t / h

Total installed capacity: 600kW

Net power generation: 420kW

Annual power generation: 3.36 million degrees Celsius

Annual benefit: 2.352 million yuan

Annual standard coal saving: 1176 tons

Annual CO<sub>2</sub> emission reduction: 2,794.2 tons





# Henan Jinmei Tianqing Coal Chemical Co., LTD. (KES1120 Unit Site of Phase II Project)

Heat source conditions: 148°C of saturated steam, 0.45Mpa (a) intake pressure

Flow rate: 10t / h

Total installed capacity: 1,120 k W

Net power generation: 735kW

Annual power generation: 5.88 million degrees

Annual benefit: 2.94 million yuan

Annual standard coal saving: 2,058 tons

Annual CO<sub>2</sub> emission reduction: 4,889.8 tons



# Henan Jinmei Tianqing Coal Chemical Co., LTD. (Phase II Project KE500-105W-1-50)

Heat source condition: 140°C of hot water

Flow rate: 50t / h

Total installed capacity: 500kW

Net power generation: 300kW

Annual power generation: 2.4 million  
degrees Celsius

Annual benefit: 1.2 million yuan

Annual standard coal saving: 840 tons

Annual CO2 emission reduction: 1995.8  
tons



# Indonesia geothermal power plant

The whole power station is designed with two screw steam expansion generators and two axial flow ORC expansion generators and one screw ORC expansion generator. The net power is 36.0MW. The installed power of two screw steam expansion generators is 11MW, and the net power is 9.1MW.





# Shaanxi Zinc Industry Co., Ltd

Heat source condition: saturated steam pressure

Pressure: 2.9MPaA, decompression to 0.4MPaA

Temperature: saturation

Flow rate: 14t / h

Installed model: KES900

Total installed capacity: 900kW

Net power generation: 723kW

Annual power generation: 5.784 million degrees

Annual benefit: 2.892 million yuan

Annual standard coal saving: 2024.4 tons

Annual CO2 emission reduction: 4,809.97 tons



# Sinopec Hainan Refining & Chemical Co., Ltd

Heat source condition: hot water

Flow rate: 200 t / h

temperature: 118°C

Pressure: 0.88MPaA

Installed model: KE710 + KE630

Total installed capacity: 1,340 kW

Net power generation: 907kW

Annual power generation: 7.62 million degrees

Annual benefit: 5.33 million yuan

Annual standard coal saving: 2,667 tons

Annual CO<sub>2</sub> emission reduction: 6,336 tons

