

燃气发电机组
GAS GENERATOR

国际最新技术的引用，使产品实现了显著的低油耗、低排放并延长了大修期。帕特公司的增值服务也帮助我们的客户减少了工程量。

The state-of-the-art technology incorporated offers impressively low fuel consumption, low emissions and long service intervals. The extensive added value service also helps you to reduce the engineering complexity.



公司提供的燃气发电机组，根据不同的电站装机容量、燃料成分情况，并按照项目其它特殊要求，可配置不同的燃气发动机。比较典型的有珀金斯（PERKINS）、玉柴（YUCHAI）等系列燃气发电机组。这些世界著名的发动机制造商所生产的发动机，具有体积小、重量轻、噪声低、运行性能稳定、可靠等优点，是理想的电源驱动设备。

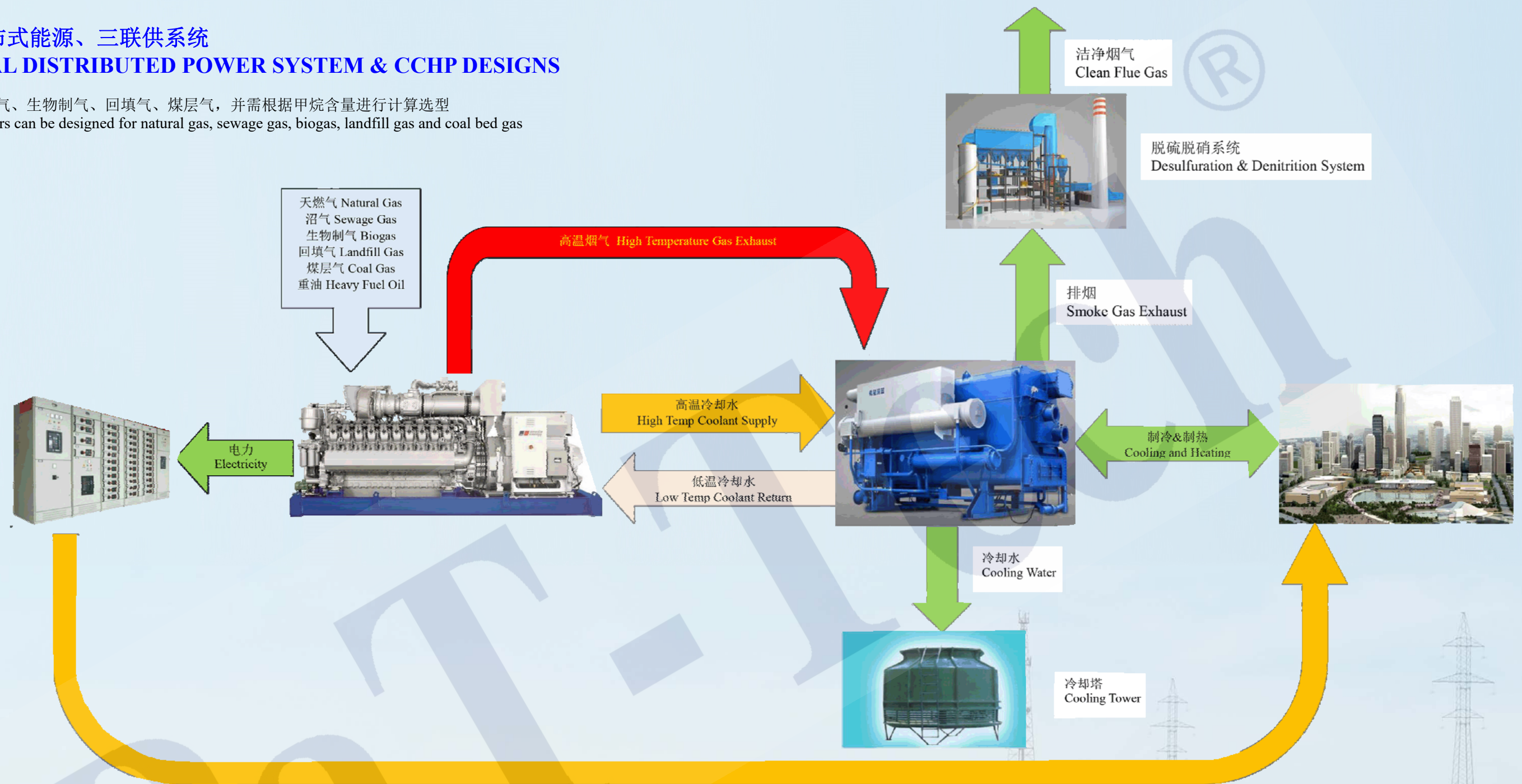
To meet the requirements of power installation capacity, gas composition and specific project requirements, PaT-Tech provides Gas Generators including Perkins series, YUCHAI series while some of the engines originated in China. The engines, which are manufactured by world famous manufacturer, have the advantages of small dimensions, light weight, low noise and reliable operation, so are ideal prime mover used for power Generators.

| 主用功率 COP Power (kW) | 机组型号 Gas Engine Generator Model | | | | | |
|---------------------------|------------------------------------|------|------|------|---------------|---------------|
| | 380V | 400V | 415V | 440V | 6.3kV | 10.5kV |
| 50 | P (G) 50P | | | | --- | --- |
| 100 | P (G) 100P | | | | --- | --- |
| 150 | P (G) 150P | | | | --- | --- |
| 200 | P (G) 200P | | | | --- | --- |
| 250 | P (G) 250P | | | | --- | --- |
| 350 | P (G) 350P | | | | --- | --- |
| 450 | P (G) 450P | | | | --- | --- |
| 500 | P (G) 500P | | | | --- | --- |
| 875 | P (G) 875P | | | | P (G) 875PG1 | P (G) 875PG2 |
| 1000 | P (G) 1000P | | | | P (G) 1000PG1 | P (G) 1000PG2 |

- 备注 Remarks:
- 1. P(G)为帕特公司燃气发电机组系列型号，具体型号以报价方案为准
P(G) generators are PAT Gas engine generators, details refer to the offer
 - 2. 燃气机组可用于天然气、沼气、生物制气、填埋气、煤层气，并需根据甲烷含量进行计算选型
Gas generators can be designed for natural gas, sewage gas, biogas, landfill gas and coal bed gas, the calculation and designs will be made based on methane concentration.
 - 3. 上述为帕特公司主推机型，可按项目要求提供其它机型供选择
The above models are mainly summarized, other models may be proposed to meet customer requirements
 - 4. 功率因数：0.8（滞后）
Power Factor is 0.8 lagged
 - 5. 频率：50Hz，60Hz 机组可按要求定做
Frequency is 50Hz, while 60Hz generators are available
 - 6. 转速 1000RPM 或 750RPM，720RPM 的 60Hz 机组，1500RPM 或 1800RPM 机组，可按项目要求提供
Engine speed is 1000RPM or 750RPM, while 720RPM for 60Hz, 1500RPM or 1800RPM is available for upon request
 - 7. 所有机组满足长期连续运行工况
All models are applicable for long term continuous operation
 - 8. 帕特公司可对三联供系统或其它项目要求进行成套设计及供货
PAT is able to provide CCHP and other affiliated equipment to meet customer requirement

典型分布式能源、三联供系统 TYPICAL DISTRIBUTED POWER SYSTEM & CCHP DESIGNS

天然气、沼气、生物制气、回填料、煤层气，并根据甲烷含量进行计算选型
Gas generators can be designed for natural gas, sewage gas, biogas, landfill gas and coal bed gas



高、低压配电柜 Power Distribution

- ◆ 满足能源站自用外，提供优质电力到终端用户或国家电网
Internal power demand and power distribution to local customers, grid or utility as required

气体或重油发电机组 Gas or HFO Generators

- ◆ 天然气、煤层气、沼气等气体机组或重油机组
Natural Gas, Coal Gas, Sewage Gas or Heavy Fuel Gas generators
- ◆ 电效率在40~44%间
Electricity efficiency ranges 40-44%
- ◆ 三联供机组综合能源利用率达到88%以上，而传统电厂仅为30~40%
Total efficiency over 88% while 30-40% for traditional power stations

烟气热水型溴化锂机组 Lithium Bromide Unit

- ◆ 吸收气体机组高温烟气、缸套水、中冷水余热，满足终端用户制冷制热需求
High Temp smoke gas, block coolant and coolant from intercooler for further cooling process
- ◆ 安装烟气脱硫脱硝装置，实现无污染排放
Smoke gas treated for clean flue gas
- ◆ 当溴化锂机组不能满足对发电机组冷却水的冷却时，则须使用冷却塔冷却
Cooling tower is assistant to cool the coolant

终端用户 End Consumers

- ◆ 分布式能源站主要适用对象：医院、机场、车站、商业区、宾馆、数据中心、工业区、工厂、养殖行业、矿区等
Distributed Power System and CCHP System are applicable to Hospital, Airport, Railway & Bus Station, Hotel, Data Center, Industrial Area, Factory and Aquaculture Industry and Mine etc.

燃气电站

GAS GENERATOR POWER STATION

除开放机组外，为便于现场安装，缩短安装周期，公司可提供箱式燃气机组，并按要求提供并机系统，所有设备出厂前进行全部性能试验、功能试验。

对燃气机组，公司均可按照项目要求，工厂预制全套附属设备，包括箱式电站、配套齐全的燃气机组、大型电站等。

To shorten installation progress on the site, enclosure gas generator as well as synchronization equipment can be provided except open type generators, where all the equipment will be factory performance and function tested.

Gas fueled generators can be custom designed and custom made complete generator generators including engine generator, completely integrated gas generator and large scale project.

箱式电站

CANOPY TYPE GENERATORS

- 静音箱机组 Sound Proof Generator Set
- 防雨型机组 Weather Type Engine Generators
- 移动电站 Mobile Engine Generators
- 挂车电站 Trailer Power Station



集装箱机组 Generator Enclosure

配套齐全的燃气机组

COMPLETELY INTEGRATED GAS GENERATOR

- 天然气机组 Natural Gas Generator
- 沼气机组 Sewage Gas Generator
- 生物制气 Biogas Generator
- 回填料发电机 Landfill Gas Generator
- 煤层气发电机 Coal Bed Gas Generator
- 三联供系统 CCHP Power System



燃气机组 Gas Generator

大型项目

LARGE SCALE PROJECT

- 电站 Power Station
- 数据中心后备电源 Power System of Data Center



电站 Power Station