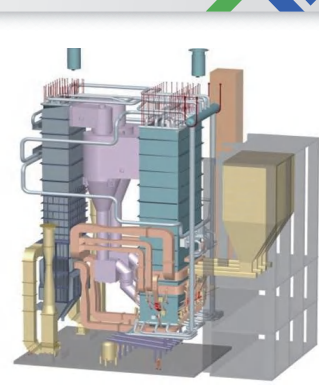
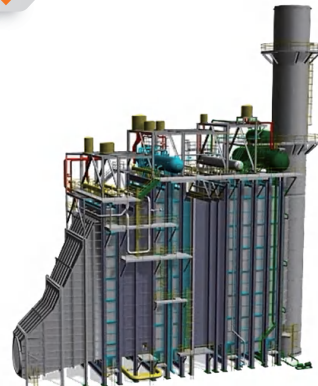


Power lant Boiler

The company has introduced professional technology from Hyundai, South Korea, engaging in the production and sales of circulating fluidized bed boilers for power generation and combined heat and power (CHP), waste heat boilers for gas/steam combined cycle power generation, and related equipment, with a prominent advantage in petroleum coke combustion technology.



HRSG series CHP circulating fluidized bed boilers



CFB series waste heat boilers for gas-steam power generation

Treatment For VOCs

MOON-TECH employs a condensation adsorption combination method to provide VOCs treatment solutions for industries such as oil and chemical storage and transportation, petroleum coal processing, natural gas, industrial coating printing, and leather processing. MOON-TECH's VOCs treatment methods include:

Absorption

Characterized by a simple process flow, low initial investment in equipment, and ease of operation and maintenance.

Condensation & Adsorption

Combines the advantages of both methods, resulting in high VOCs removal efficiency and high purity of recovered substances.

Others

Catalytic oxidation, plasma, biofiltration, combustion, membrane separation.

CASE



Polycrystalline Silicon Project



Dimethyl Ether Distillation Project



Dehua Chemical CO₂ Liquefaction Project



CNPEC Natural Gas Liquefaction Project



Hot Water Power Generation EMC Project



Thermal Power Exhaust Steam Waste Heat Recovery Project



冰轮环境技术股份有限公司
Moon Environment Technology Co.,Ltd.

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让温度更有温度



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本宣传册所设计数据，均截止至2023年材料统计日，如有变动恕不另行通知。

MOON-SYLD-ZY1.0-202302



冰轮环境
MOON-TECH

ENERGY CHEMICAL
SYSTEM
SOLUTION



Company Profile

Moon Environment Technology Co., Ltd. (MOON-TECH for short, previous name is YANTAI MOON CO LTD.) founded in 1956, is a diversified and international comprehensive equipment industry group enterprise.

MOON-TECH's refrigeration equipment and products have been exported to Southeast Asia since the early 1990s. The first sales office was set up in Thailand in 1998, and now two subsidiaries have been established in Vietnam and Indonesia, with 22 marketing agencies in 20 countries.

MOON-TECH has established a reputation for advanced product development, extensive industrial experience, reliable design and construction capabilities, and comprehensive after-sales and technical services. Not only in the seafood, meat, and cold chain logistics industries, but also within the oil, natural gas, and chemical sectors, MOON-TECH has become a trusted partner for global customers looking to grow their business.



SALES NETWORK OVERSEAS



Latin America Region

1. Chile
2. Argentina
3. Peru
4. Ecuador

Africa Region

1. Egypt
2. Mauritania
3. Kenya
4. South Africa

Middle East Region

1. Saudi Arabia
2. UAE

Russian Region

1. Moscow, Russia
2. Vladivostok, Russia
3. Uzbekistan

Asia Region

1. Indonesia
2. Thailand
3. Malaysia
4. Vietnam
5. Philippines
6. Myanmar
7. India
8. Taiwan

Industry & Field



Refrigeration Solution



Central Air Conditioning



Eco-friendly Heating Solution



Energy and Chemical Equipment



Precision Casting



Digital Intelligence Service



Hydrogen Energy Equipment



New Business

Industrial Refrigeration

MOON-TECH series of industrial refrigeration equipment utilizes a full range of screw compressors developed and manufactured, complemented by various types of evaporators and condensers, assembled into a complete skid-mounted system. MOON-TECH drives sustainable development in the industrial refrigeration sector with its core technologies, offering reliable refrigeration equipment and system integration services for processes in petrochemical refining, coal chemical industry, natural gas chemical industry, biochemical industry, fertilizer industry, pharmaceuticals and pesticides, chlor-alkali, rubber, and the liquefaction of various industrial gases.



Screw Refrigeration Compressor Unit



GRPT-R290 CO₂ Phase Change Refrigeration Unit



Chiller Unit



Siphon-Type Low-Temperature Brine Unit



Flooded Low-Temperature Brine Unit



Ultra-Low Temperature Cascade Unit

Gas Compression

MOON-TECH can achieve flexible customization production of a full range of compressors, including fully sealed, semi-hermetic, and open-type screw compressors, centrifugal compressors, magnetic levitation compressors, air-bearing compressors, high-speed oil-free piston compressors, and high-pressure diaphragm compressors. It provides a stable and safe compression environment for both energy and non-energy gas compression processes.

Application fields include light hydrocarbon recovery in various industries such as petrochemicals, coal chemicals, and natural gas; and the boosting, gathering, and liquefaction of various gases like natural gas, carbon dioxide, wellhead gas, associated gas, biogas, mixed refrigerants, analytical gas, flash gas, and crude oil stabilizing gas.



Helium (Hydrogen) Compressor Unit



High-Pressure Diaphragm Compressor Unit



BOG Compressor Unit



CO₂ Booster Liquefaction Unit



Coalbed Methane Compressor Unit



Biogas Compressor Unit

Energy System

MOON-TECH is dedicated to establishing a multi-energy complementary and interlinked system, achieving integrated integration of multiple energies in industrial parks. By overall design, unified planning, and hierarchical utilization of energy conversion, energy application, surplus energy recovery, and waste treatment, it realizes energy ladder utilization, comprehensive utilization of surplus energy, and efficient use of energy, significantly improving the overall energy utilization efficiency. MOON-TECH promotes comprehensive resource saving and recycling, advocates for a simple, moderate, green, and low-carbon social operation model, and achieves ecological linkage between production and living systems.

Application fields include condensing waste heat recovery and utilization, industrial surplus energy utilization, urban environmental protection heating, environmental protection heat pump technology, and energy storage and accumulation technology.



Steam Booster Compressor Unit



Waste Heat Phase Change Upgrading Centrifugal Unit



Ammonia Semi-Hermetic Screw Heat Pump Unit



Lithium Bromide Absorption Chiller (Temperature) Unit



Type II Absorption Heat Pump



Waste Heat and Pressure Expansion Power Generation Unit

Heat Exchange Technology

Surface evaporative air coolers (wet air coolers) work by using water evaporation and strong air circulation to remove condensation heat, cooling process media or high-temperature and high-pressure superheated steam discharged from compressors, causing them to condense/cool and reach the process required temperature. MOON-TECH can provide users with a full range of air cooling solutions, including counterflow evaporative air coolers, parallel flow evaporative air coolers, composite air coolers, combined flow air coolers, condensers, and closed cooling towers.

Application fields include refrigeration and air conditioning, construction machinery, building machinery, wind power generation, photovoltaic power generation, metallurgy, pharmaceuticals, and petrochemicals.



LN2 series evaporative condenser



Composite air cooler



Parallel flow evaporative air cooler



Counterflow evaporative air cooler



Condenser



Closed cooling tower