



冰轮环境  
MOON-TECH



# ENGINEERING A BETTER FUTURE

MOON ENVIRONMENT TECHNOLOGY CO., LTD.

CORPORATE BUSINESS



**冰轮环境**  
**MOON-TECH**



### **Mission**

Engineering a better future



### **Values**

Customer Success ; Future Focus  
Goal-Oriented ; Open-Minded



### **Vision**

Aspiring to be a trusted and  
admired corporate leader

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# COMPANY INTRODUCTION

Committed to artificial environment control technology innovation  
Committed to the comprehensive use of energy technology innovation

**1956**

Since 1956

**000811**

Stock Code

**5000+**

Employees

**120+**

Clients from Countries/Regions





# OUR HISTORY

# 1956-2026

## 1956

Company founded



## 1959

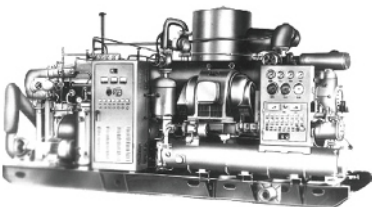
Copy SU, first piston compressor Successful trial

## 1966

The 1st Chinese piston compressor 4AV-12.5

## 1976

Chinese first self-developed screw compressor



## 1994

DNV-ISO9001:1994

## 1996

MOON logo born

## 1998

MOON successfully listed

## 2006

MOON Vietnam factory established



## 2010

Screw compressor won 2nd prize of the National Science and Technology Award

## 2012

Acquisition of US Dunham Bush

UN acceptance of NH<sub>3</sub>/CO<sub>2</sub> cascade system

## 2013

NH<sub>3</sub>/CO<sub>2</sub> cascade won Chinese only special award

## 2015

MOON Indonesia company established

The 100th CO<sub>2</sub> project signed

## 2017

Moon-tech replaced Yantai Moon

United Nations "Model Project Award for the Protection of the Ozone Layer"

-268.5 °C He compressor fill in Chinese technology gap

-268.5 °C ~180 °C Cold & Heat solution won Chinese only 1st award

## 2021

Digital compressor plant took into operation



## 2023

We will start building low-carbon and intelligent industrial parks

# GLOBAL VISION

9 Industrial Parks over the  
120+ Countries /Regions



Headquarters



Vietnam Industrial Park



Baoding Industrial Park



American Industrial Park



Laishan Industrial Park



British Industrial Park



Jinan Center



Malaysia Industrial Park



Guxian Industrial Park

# TECHNICAL AWARDS

Only Chinese company wins UN award for exemplary project to protect ozone layer.

22

National & provincial technological innovation platforms

72

National and industrial standards

256

National, Provincial and Ministerial Scientific and Technological Achievement Awards





# FULL LIFE CYCLE SERVICE

MOON-TECH is committed to becoming an “intelligent cooling and heating system integration expert” in the field of artificial environment and comprehensive energy utilization technology, using a more environmentally friendly way to provide users in various industries around the world with the best “temperature” and “pressure” conditions, professional and value-added services, so as to build an interconnected world of refrigeration and heating.



Contract energy management

Staff training

Engineering design

System diagnosis and upgrade

Project planning

Complete set of equipment

System maintenance

Technical consultation

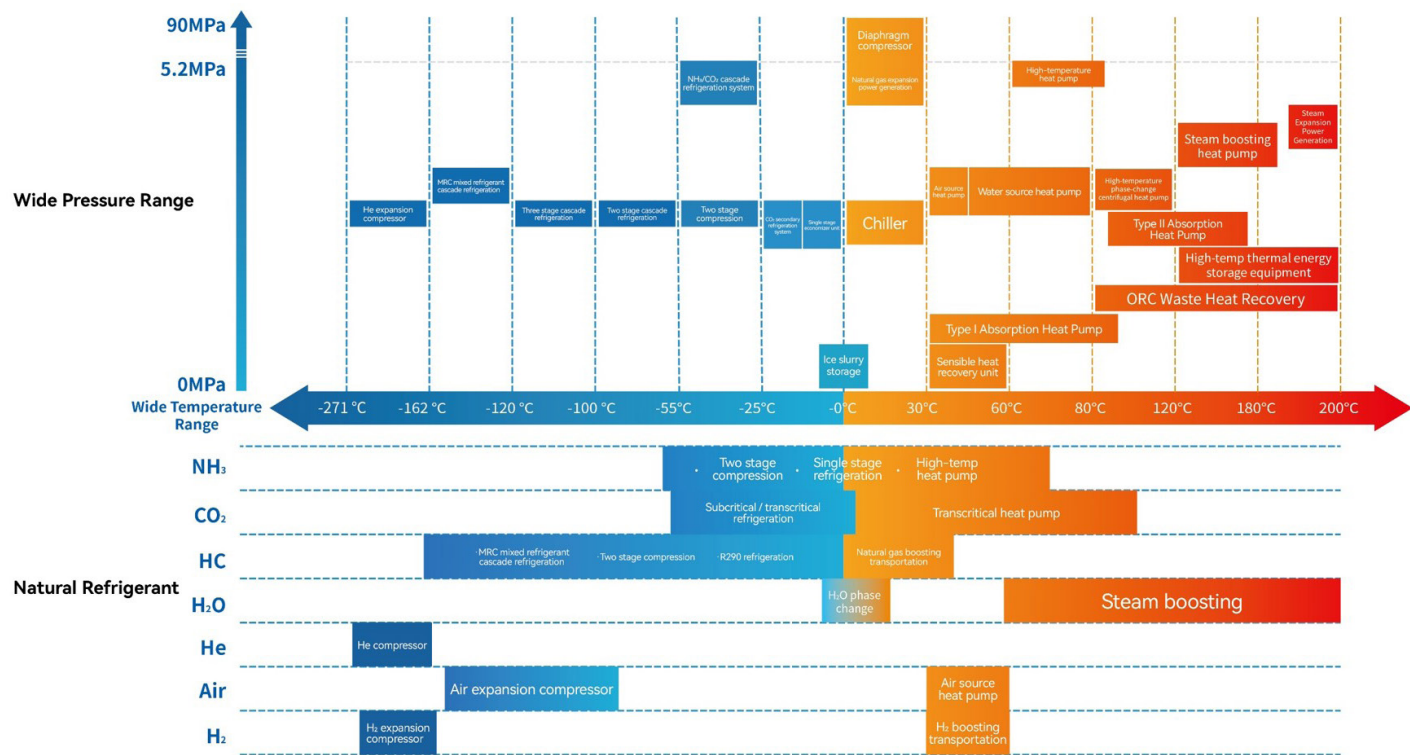
Installation and commissioning



# OUR TECHNOLOGY

Complete production line helps to provide optimal temperature and pressure conditions for all types of users around the world in a more low-carbon way.

## PROMOTE COMPLEMENTARY UTILIZATION OF ENERGY BY USING ARTIFICIAL ENVIRONMENT CONTROL TECHNOLOGY





# LOW-CARBON

An aerial photograph of a dense, lush green forest. A dark, winding road or path cuts through the center of the forest, curving from the top right towards the bottom left. The trees are tall and coniferous, creating a textured canopy of various shades of green. The lighting is bright, casting soft shadows and highlighting the tops of the trees.

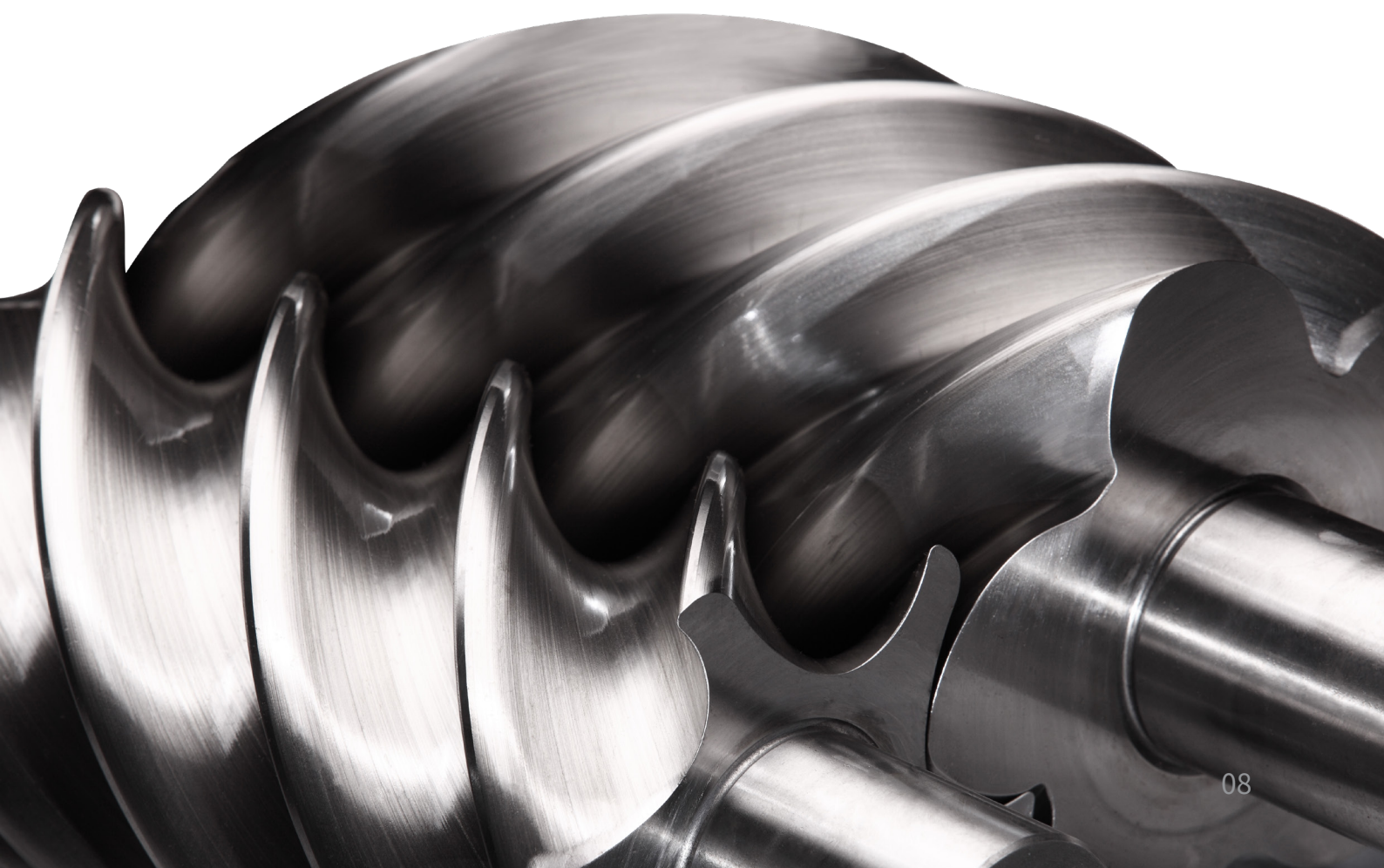
The superficial aspect of low-carbon is an environmental issue, the core is an energy issue, and the essence is a development issue.

Upgrading of industrial structure  
Circular resource utilization

Low-carbon energy consumption  
Clean production processes



# INDUSTRIAL FIELD

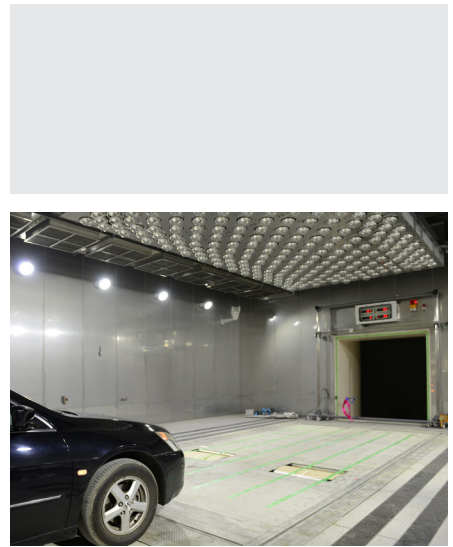


# REFRIGERATION SOLUTION

With the world's advanced refrigeration technology, MOON-TECH provides safe, environment-friendly and energy-saving refrigeration equipment and system solutions for various applications including food processing, environment simulation, building aggregate cooling and drilling, and continues to lead the technological progress and development of China's refrigeration industry.



Food Refrigeration and Freeze-Drying Processing



Artificial Intelligence Environment



Freezing of Tunnel and Mine Excavation, and Cooling of Building Aggregate



Ice and Snow Sports Venues

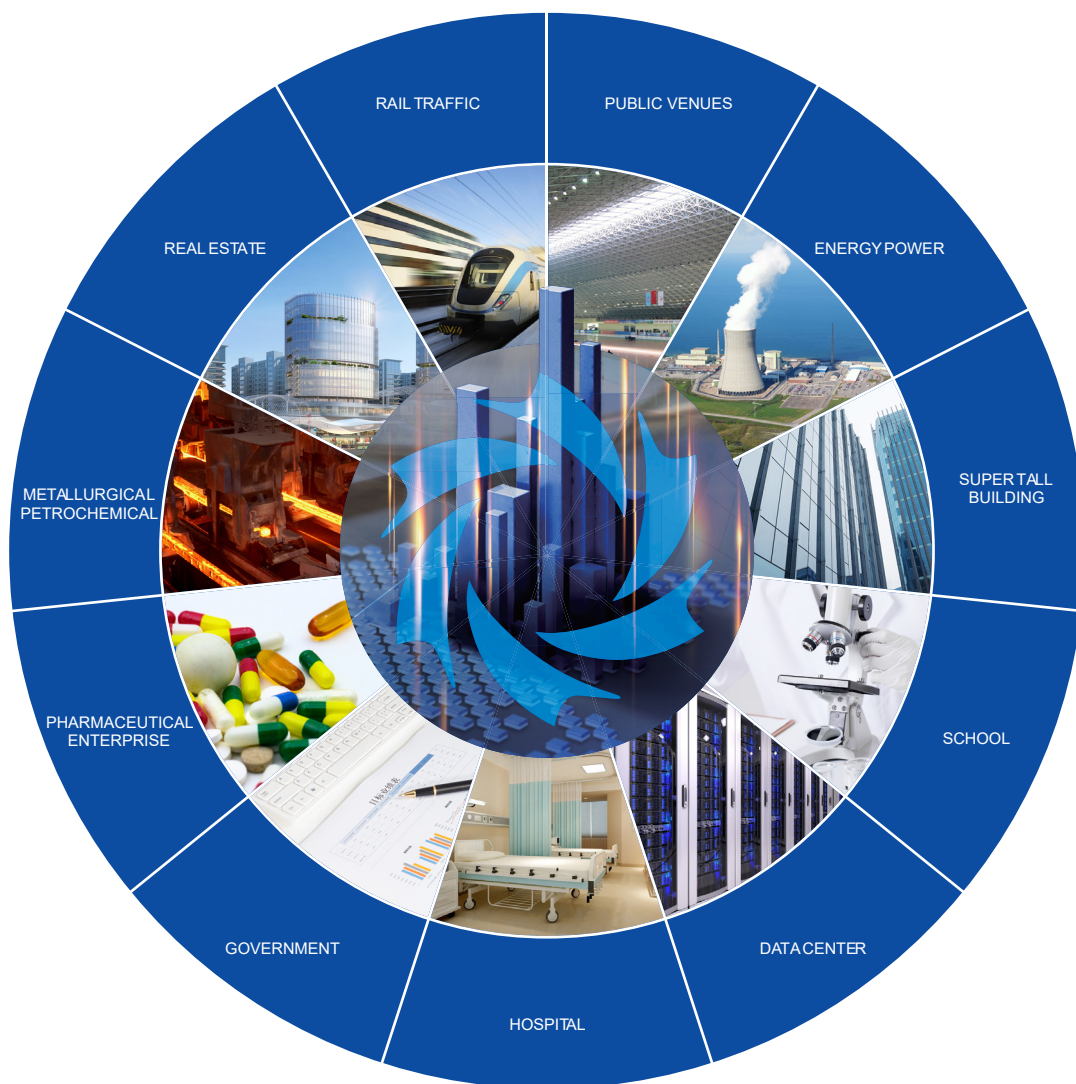


Logistics cold chain equipment and system integration services



# CENTRAL AIR CONDITIONING

MOON-TECH is committed to the control and service in water, air and environment fields, to provide more stable and reliable HVAC and heat pump equipment as well as energy-saving and environment-friendly overall solution for computer room system.



# SOLUTION

# ECO-FRIENDLY HEATING SOLUTION

MOON-TECH innovates the technology of condensation waste heat recovery and energy storage system, focuses on industrial waste heat utilization and urban central heating, to build a renewable and environment-friendly energy utilization system, and continues to create energy conservation and environmental protection benefits for the society.



Condensation Waste Heat Recovery and Utilization



Environment-Friendly Heating In Urban Areas



Industrial Waste Heat Utilization



Energy Storage Technology



Environment-Friendly Heat Pump Technology



Helical Screw Expanding Power Generator



MVR Steam Recompression



# ENERGY AND CHEMICAL EQUIPMENT

Based on the mature and complete R&D and manufacturing platform, MOON-TECH actively engages in cutting-edge technology development, enhances the core competitiveness of products, improves the system integration service ability, and constantly promotes the intensive, green and sustainable development of China's energy and chemical industry.



Industrial Refrigeration



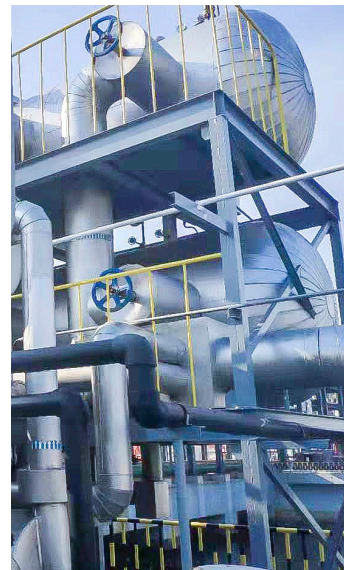
Gas Compression



Heat Exchange  
Technology



Power Plant Boiler



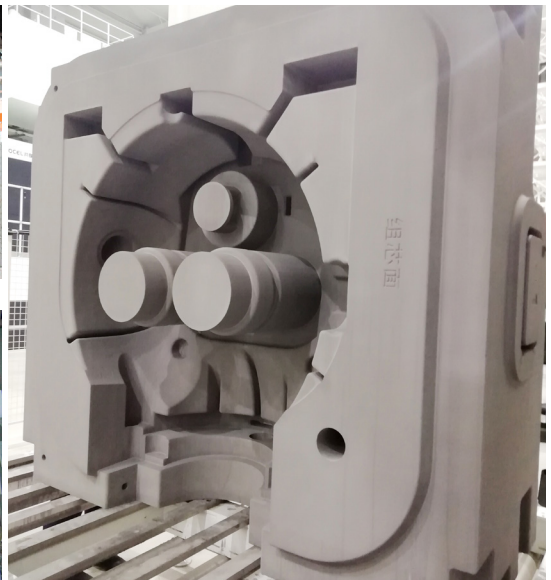
Treatment for VOCs



# PRECISION CASTING

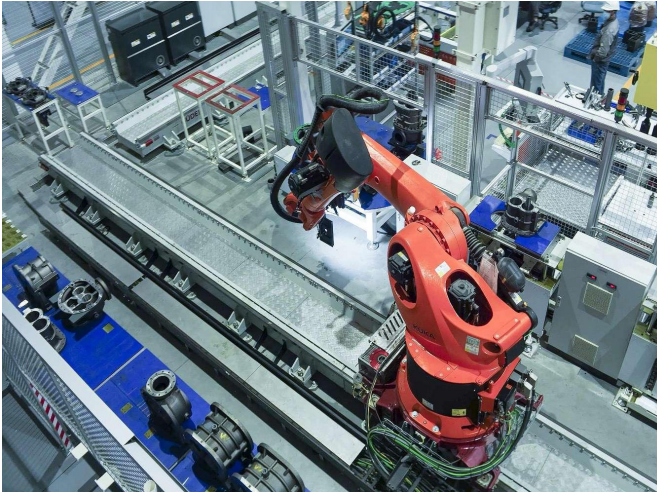
Engaged in the production and deep processing of high-strength gray cast iron and ductile iron castings for machine tools, pipe fittings, and energy machinery, MOON-TECH continues to promote segmentation of domestic resin sand market; the full-process digital 3D intelligent molding plant is completed and put into production, promoting the transformation and upgrading of traditional industries.

- Ferrous metal casting
- Non-ferrous metal casting
- Precision machining of castings
- 3D Smart Molding





# DIGITAL & INTELLIGENT INDUSTRIES



Intelligent  
production line

Intelligent  
Logistic

Industrial Smart  
Controlling





# PROJECT CASE







Chishan Haidu Food Aquatic Product Quick Freezing and Low Temperature Storage Project

Chongqing Wansheng Coal Chemical CO Compressor Project

Tsingtao Brewery beer production process cooling project

Yunken Animal Husbandry Quick Freezing Workshop and Heat Recovery Project

Water source heat pump unit for the National Bobsleigh and Luge Center of the Winter Olympics

Shandong Fengxiang Industrial Co., Ltd. Intelligent Slaughterhouse Project

National Stadium (Bird's Nest) Central Air Conditioning System





Luqing Petrochemical Hot Water Power Generation  
EMC Project

Tianjin Million Tons of  
Ethylene Project

Wanhua Chemical Industrial  
Park Low Temperature  
Logistics Warehouse Project



Tufanbeyli Turkey  
Tufanbeyli Fluidized bed  
boiler

Central air conditioning  
systems for subway rail  
transit in Beijing, Shanghai,  
Guangzhou and other cities





Zhejiang Qingtian Ecological Park 6000 square meters indoor ski hall



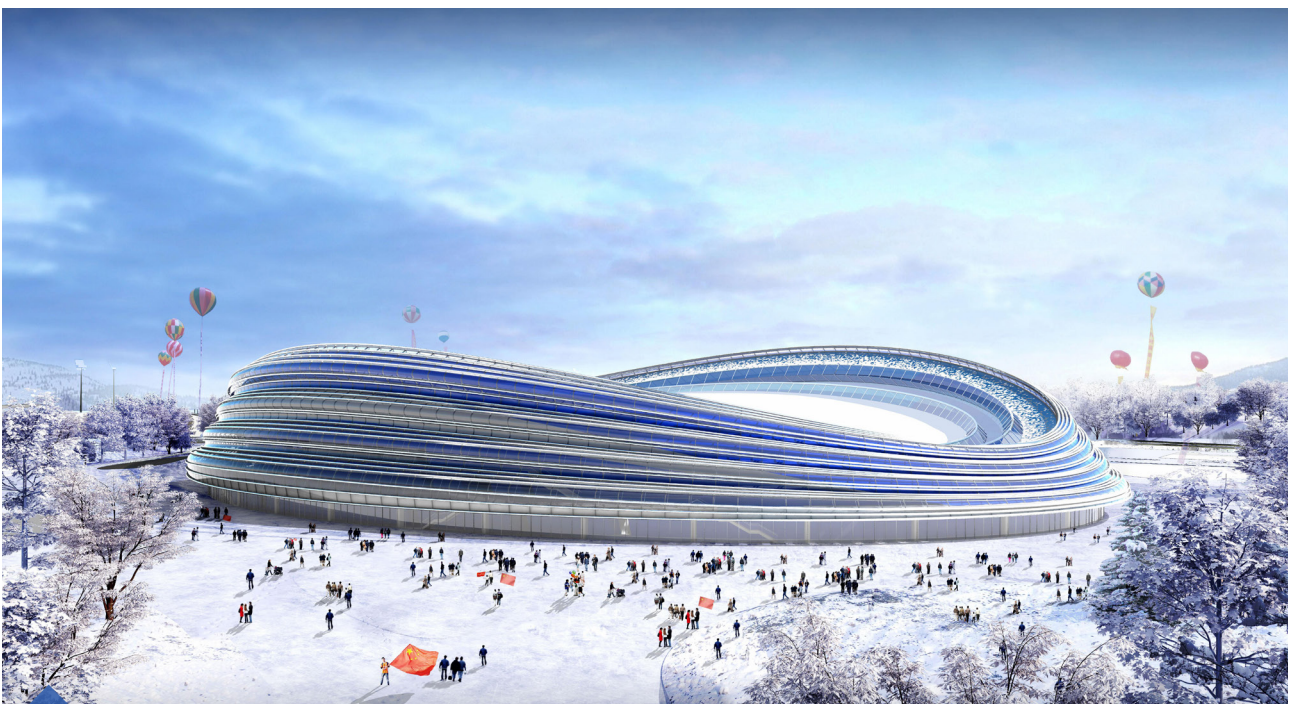
China Automotive Technology and Research Center Wind Tunnel Cooling System



Shanxi Datang International Yungang Thermal Power Exhaust Steam Waste Heat Recovery Project



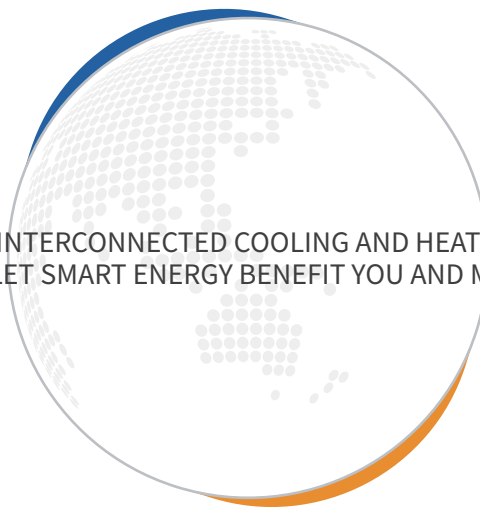
Yinchuan "East-West Heat Transmission" Long Distance Heating Project



National Speed Skating Oval (Ice Ribbon) Environmentally Friendly Ice Making System



冰轮环境  
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BUILD AN INTERCONNECTED COOLING AND HEATING WORLD  
LET SMART ENERGY BENEFIT YOU AND ME



@moon-tech



@moon-tech



@moontechrefrigeration

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