

China International Chemical Technology and Equipment Fair 2026

Heat Pump Distillation and Energy Saving Optimization Exhibition

HPES



June 9–11, 2026

Shanghai New International Expo Center

www.ctef.net

A professional event on heat pump distillation and energy-saving optimization

1000+

Exhibiting Companies

70,000m²

Exhibition Area

100,000+

Professional Visitors

100+

Seminar

Organizer

Zhenwei International Exhibition Group

Partner

Shanghai Chemical Industry Association

Shanghai Coatings & Dyes Industry Association

Shanghai New Materials Association

Jiangsu Valve Industry Association

Jiangsu Petrochemical Equipment Industry Association

Hebei Pipeline Equipment Manufacturing Association

Shandong Environmental Science Society

Shandong Daily Chemical Industry Association

Fujian Petroleum and Chemical Industry Association

Nanjing Energy Conservation and Environmental Protection Industry Association

Wenzhou Pipe Fittings Industry Association

Wenzhou Wanzhou Chamber of Commerce

Jingjiang Pump and Valve Industry Chamber of Commerce

Huizhou Petroleum and Chemical Industry Association

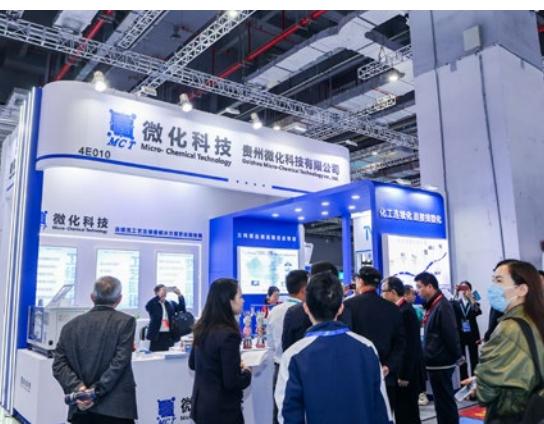
Jiaxing Port Area Petroleum and Chemical Industry Association

Russian Chlor-Alkali Industry Association

Egyptian Plastics Exporters and Manufacturers Association

Organization

Guangzhou Zhenwei International Exhibition Co., Ltd.





Bringing Together Leading Forces in Heat Pump Distillation Equipment , Presenting a Complete System Solution

The 18th Shanghai International Heat Pump Distillation and Energy Saving Optimization Exhibition, a featured exhibition of the "2026 China International Chemical Technology and Equipment Expo," is organized by Zhenwei International Exhibition Group and supported by several industry associations, including the Shanghai Chemical Industry Association, the Shanghai Coatings and Dyes Industry Association, and the Shanghai New Materials Association. The exhibition will be held from June 9–11, 2026 at the Shanghai New International Expo Centre, with an expected exhibition area of over 70,000 square meters. It will bring together more than 1,000 well-known companies from over 20 countries and regions worldwide and attract over 100,000 professional visitors.

To date, the exhibition has attracted leading domestic and international companies including Dison Technology, Bingshan Refrigeration & Heating, Shaanxi Blower, Yinlun Machinery, Hekang New Energy, Tianhao Energy Saving, Dewei Turbine, Tianrui Heavy

Industry, Shandong Heng Hui, Shandong Tuoton, Ningbo Lehui, Lanwang Energy Saving, Huannuo Energy, Hedun Environmental Protection, Weihai Runlan, Anhui Ruitec, Datong Baofu, Shuruipu, Wuxi Jialong Electromechanical, Hairun Environmental Protection, Wumu Energy Saving, Jiangsu Feiyue, Myande Energy Saving, Jiema Energy Saving, Huashijie Environmental Protection, Yuanfang Power, Ruidin Environment, Boxu New Energy, and Ice Wheel Environment. The exhibition showcases innovative achievements across the entire chain, including heat pump main units and system integration, heat exchange and evaporation crystallization equipment, key components and special materials, manufacturing testing and intelligent control, energy-saving optimization and supporting services. It covers the entire process of technical solutions from core equipment to supporting services, helping companies efficiently connect with cutting-edge technologies and market demands.



1000+
exhibitors



70,000
square meters of
exhibition space



100,000+
professional visitors



100+
keynote speeches

Targeted Invitation of Professional Visitors, Covering Core Application Areas

The organizers accurately grasped the exhibitors' needs, targeted key industries, and organized core buyer groups. They utilized a variety of channels, including telephone, email, SMS, online promotion, social media, big data marketing, media releases, on-the-ground promotion, door-to-door visits, domestic and international exhibition participation, conference sponsorship, media cooperation, and industry association partnerships, to comprehensively invite professional visitors and effectively guarantee the exhibition's success for participating companies.

Biochemical Engineering /
Pharmaceutical Chemical Engineering /
Active Pharmaceutical Ingredients



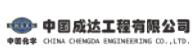
Energy / Lithium Battery Materials



Fine chemicals / specialty chemicals



Chemical Engineering Design and
Chemical Engineering EPC



Industrial parks and
investment institutions



High-end Industry Summits Empower Industry Development

Concurrent Forum Activities (Tentative)

Domestic Thematic Technical Seminars

- China International Chemical Equipment Innovation and Development Conference
- The 8th Symposium on Deep Treatment and Resource Utilization Technology of Chemical Wastewater
- China POE Localization Technology and Equipment Symposium
- China Smart Chemical Industry and Digital Transformation Conference
- The 3rd China Chemical Technology and Equipment Golden Gear Award Ceremony
- CTEF2026 International Procurement Matching Conference
- Chemical Engineering Companies and New Chemical Materials Special Demand Meeting
- Chemical Equipment Industry Investment and Financing Matching Summit

Precise Matching of International Resources

- China–Russia Chemical Industry CCUS Carbon Capture and Utilization Collaborative Innovation Forum
- China–Malaysia Investment Opportunities and Overseas Exchange Forum
- China–Indonesia Chemical Industry Innovation Technology Conference
- Overseas Chemical Enterprise Procurement Exchange and Matching Day



Chemical Heat Pump Distillation Energy Saving Optimization Technology Forum

The conference will invite academicians, experts, scholars, and technical leaders from the Chinese Academy of Sciences, the Chinese Academy of Engineering, Tsinghua University, Tianjin University, Zhejiang University, the Heat Pump Professional Committee of the China Energy Conservation Association, the Chemical Energy Conservation Professional Committee of the Chemical Industry Society of China, the Heat Pump Branch of the China General Machinery Industry Association, as well as leading companies in the heat pump and chemical fields such as Haier, Haili Group, Bing Environment, Shen Environment, and New Energy Technology to deliver keynote speeches. The forum aims to promote the deep integration and industrial application of heat pump energy-saving technology and chemical distillation processes. Through cutting-edge technology sharing and in-depth industry dialogue, the forum will build a high-end exchange platform integrating industry, academia, research, and application in the field of heat pump distillation and energy saving optimization, accelerating the transformation of innovative achievements into productivity for the green transformation of the chemical industry.

The following thematic seminars will be held...



01

Energy Efficiency Improvement and Engineering Application of Heat Pump Distillation Systems

02

Low-Grade Waste Heat Recovery and Heat Pump Coupling Technology

03

Carbon Reduction Pathways of Heat Pump Distillation in the Context of Carbon Neutrality

04

Adaptation of New Heat Pump Equipment to Special Chemical Working Conditions

05

Industrialization Challenges and Solutions of Heat Pump Distillation Technology

Comprehensive Media Coverage to Enhance Exhibitor Brand Influence

100 mainstream and professional media outlets both domestically and internationally, including People's Daily Online, Xinhua Net, CCTV.com, China News Service, China Economic Net, Science and Technology Daily, Process Industry, Chemical Industry Network, Chemical 707, Haichuan Chemical, Evaporation Crystallization Network, GIDE Chemical Network, and China Chemical Instrument Network, will provide full coverage of the exhibition, helping exhibitors promote their brands and enhance their reputation.



Exhibition Scope



Heat Pump Units and System Integration

- **Industrial Heat Pump Units:** High-temperature vapor compression heat pumps, absorption heat pumps, magnetic levitation centrifugal heat pumps, air source/ground source/water source industrial heat pump units.
- **Heat Pump Distillation Integrated Systems:** Mechanical vapor recompression (MVR) distillation systems, heat pump–multi-effect distillation coupling devices, azeotropic distillation heat pump energy-saving systems, skid-mounted heat pump distillation complete sets of equipment.



Heat Exchange and Evaporation Crystallization Equipment

- **High-efficiency heat exchange equipment:** Plate/shell-and-tube/spiral plate heat exchangers, microchannel heat exchangers, graphite/titanium/zirconium corrosion-resistant heat exchangers, falling film evaporators/reboilers/condensers.
- **Evaporation crystallization systems:** MVR mechanical compression evaporation crystallization systems, externally heated/forced circulation evaporators, vacuum crystallizers/OSLO crystallizers, high-salt wastewater zero-discharge evaporation systems.



Key Components and Special Materials

- **Core Heat Pump Components:** High-pressure centrifugal compressors/screw compressors, high-temperature electronic expansion valves/corrosion-resistant valves, high-efficiency heat exchange tubes/bellows/threaded tubes.
- **Power and Transmission Equipment:** Roots blowers/centrifugal blowers, industrial control computers and PLC control systems, frequency conversion technology and drive systems.
- **Special Materials and Supporting Equipment:** Titanium/Hastelloy/duplex stainless steel materials, fluoroplastic-lined corrosion-resistant equipment, high-performance sealing and insulation materials.



Manufacturing, Testing, and Intelligent Control

- **Manufacturing and processing equipment:** Laser welding equipment/automatic tube expanders, tube end forming machines/tube bending machines, automated heat exchanger production lines.
- **Testing and monitoring systems:** Online performance testing instruments (CP real-time monitoring), PHM fault prediction and health management system, sealing performance testing bench.
- **Intelligent control systems:** Heat pump distillation AI energy-saving controller, multivariable predictive control algorithm module, cloud-edge collaborative energy efficiency management platform.



Energy Conservation Optimization and Supporting Services

- **Waste Heat Recovery Systems:** Upgrading low-grade waste heat to heat pump systems, deep waste heat recovery devices for flue gas/wastewater, phase change energy storage tanks/high-temperature thermal storage systems.
- **Environmental Protection Equipment:** Wastewater treatment and reuse devices, falling film condensate recovery systems, online carbon emission monitoring systems.
- **Engineering Service Solutions:** Thermal energy system optimization design services, energy-saving retrofitting and energy performance contracting, full life-cycle operation and maintenance support.

Booth Fees and Description

Exhibition Space	<p>Shell Scheme (3m×3m): USD 4300 / 9m² Facilities Include: back & sidewalls, carpet, lintel board, one consulting table, two chairs, two lights, and one power socket (220V, 5A).</p> <p>Raw Space (Mini.36m²) : USD 450 / m²</p>
Technical Seminar	Technical Seminar/ Product Promotion Session : USD 2200 / Session

※ Note 1: The above prices include 6% VAT;

※ Note 2: Standard booths are... 3m x 3m, equipped with: three exhibition panels, carpet, door, fluorescent lights, one table and two chairs, power socket (special power requirements must be applied for at the exhibition hall and will be charged separately);

※ Note 3: To support your company's market strategy, we will provide more options. Please call for further information.



Guangzhou Zhenwei International Exhibition Co., Ltd.

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