



The Annual World's Leading Event For Oil & Gas Industry



Postshow Report

The 21st China International Petroleum & Petrochemical
Technology and Equipment Exhibition
June 8-10, 2021 NCIEC, Beijing





Zhenwei International Exhibition Group
Comprehensive Service Provider of Global Exhibition

Stock Code: 834316

Zhenwei International Exhibition Group (Hereinafter referred to as Zhenwei Exhibition), founded in 2000 and listed on the New Third Board on November 24th, 2015 (Stock Code: 834316), is China's largest private exhibition company, a member of National Technical Committee on Convention and Exhibition of Standardization Administration of China, a vice-chairman unit of China Convention / Exhibition / Event Society, and the exhibition organization with the most certifications of UFI in China.

According to statistics of the Annual Report on China's Exhibition Industry (2018) issued by China Council for the Promotion of International Trade (CCPIT) in 2019, the amount of exhibitions organized by Zhenwei Exhibition ranks first among domestic exhibition organizing enterprises. With exhibition as the core of its business, Zhenwei Exhibition integrates exhibition and conference, data and information, e-commerce, design and creative communication, having developed into a leading comprehensive service provider of global exhibitions.

Dual headquartered in Tianjin and Beijing, Zhenwei Exhibition includes subsidiaries of Tianjin Zhenwei, Beijing Zhenwei, Guangzhou Zhenwei, Xinjiang Zhenwei, Xi'an Zhenwei, Chengdu Zhenwei, Hainan Zhenwei, Vista Creation, Beijing Zhongzhuang Runda Exhibition Co., Ltd., Xinjiang Asia-Europe International Expo Co., Ltd., Qingdao East-Asia International Expo Co., Ltd. (a mixed-ownership expo company), and Beijing Zhongguancun International Exhibition Operation Management Co., Ltd., Guangdong Tanzhou Zhenwei Exhibition Co., Ltd.

Zhenwei Exhibition organizes nearly 100 professional exhibitions and large-scale events in China, the United States, Germany, France, Russia, Canada, Brazil, Indonesia and other countries around the world every year, majorly involved in eight sectors of energy, equipment manufacturing, new-energy vehicles, biological medicine, high-end consumption and electronics, environmental protection & energy conservation, maritime engineering and agriculture.



China's Largest Private Exhibition Company
China's Top Ten Most Influential Exhibition Companies
Vice Chairman Unit of China Convention / Exhibition / Event Society
Vice Chairman Unit of CCOIC Exhibition Committee
Member Unit of National Technical Committee on Convention
and Exhibition of Standardization Administration of China

The Global Influential Events Held by Zhenwei Exhibition Include:

China International Petroleum & Petrochemical Technology and Equipment Exhibition (cippe)

China (Tianjin) International Equipment & Manufacturing Industry Expo (CIEX)

East Asia Marine Cooperation Platform Qingdao Forum (EAMCP)

East Asia Marine Expo (EAME)

Asia Pacific Retailers Convention and Exhibition & International Consumer Goods Fair (APRCE)

Chengdu International / Hainan New Energy & Electric Vehicles Exhibition (CNEE)

Silk Road (Xi 'an) Green Building Industry Expo (CIBES)

China International Electric Vehicle Supply Equipment Fair (EVSE)

Guangzhou International Bio-technology Conference & Expo (BTE)

China Xinjiang International Agriculture Fair (CXIAF)

Shanghai International Chemical Technology & Equipment Fair (CTEF)

Exhibitions Supported by China's Ministry of Commerce – cippe (Beijing), CIEX, CXIAF, ICME and CIBES

Exhibitions Approved by China's Ministry of Commerce – cippe (Beijing), CIEX, CXIAF, HCI, IME Xinjiang, ICE Xinjiang and CNEE

Exhibitions Approved by UFI – cippe (Beijing), CIEX, IMEX, CIAI, CXIAF, IME XINJIANG and ICME

65

Countries and Regions

1,800

Exhibitors

46

Fortune Global 500

18

International Pavilions

90,000

Exhibition Space

123,000

Professional Visitors

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01 | GLANCE OF cippe2021

The Excellent Exhibition Has the Power to Change the World

—cippe2021 Supported by MOFOM





Ma Peihua (middle), Vice Chairman of the 12th CPPCC National Committee, Li Yizhong (second from left), Former Minister of Industry and Information Technology, President of China Federation of Industrial Economics, Liu Hongbin (third from right), Member of the Leading Party Member Group and Vice President of Sinopec Group, President of CPEIA, Zhang Xueshan, Chairman of Zhenwei Exhibition Group (second from right)



Lv Bo, Member of the Party Committee and Vice President of CNPC

EXHIBITIONS-POWERFUL MARKETING TOOL



Zhang Yuzhuo, then Chairman and Secretary of the Leading Party Member Group of Sinopec Group

Events boosts urban economic development, and have become a critical component of urban development strategy across the global. As an important platform combines display and trade, promotes business cooperation and exchange, exhibitions have become a powerful marketing tool for enterprises to expand business.



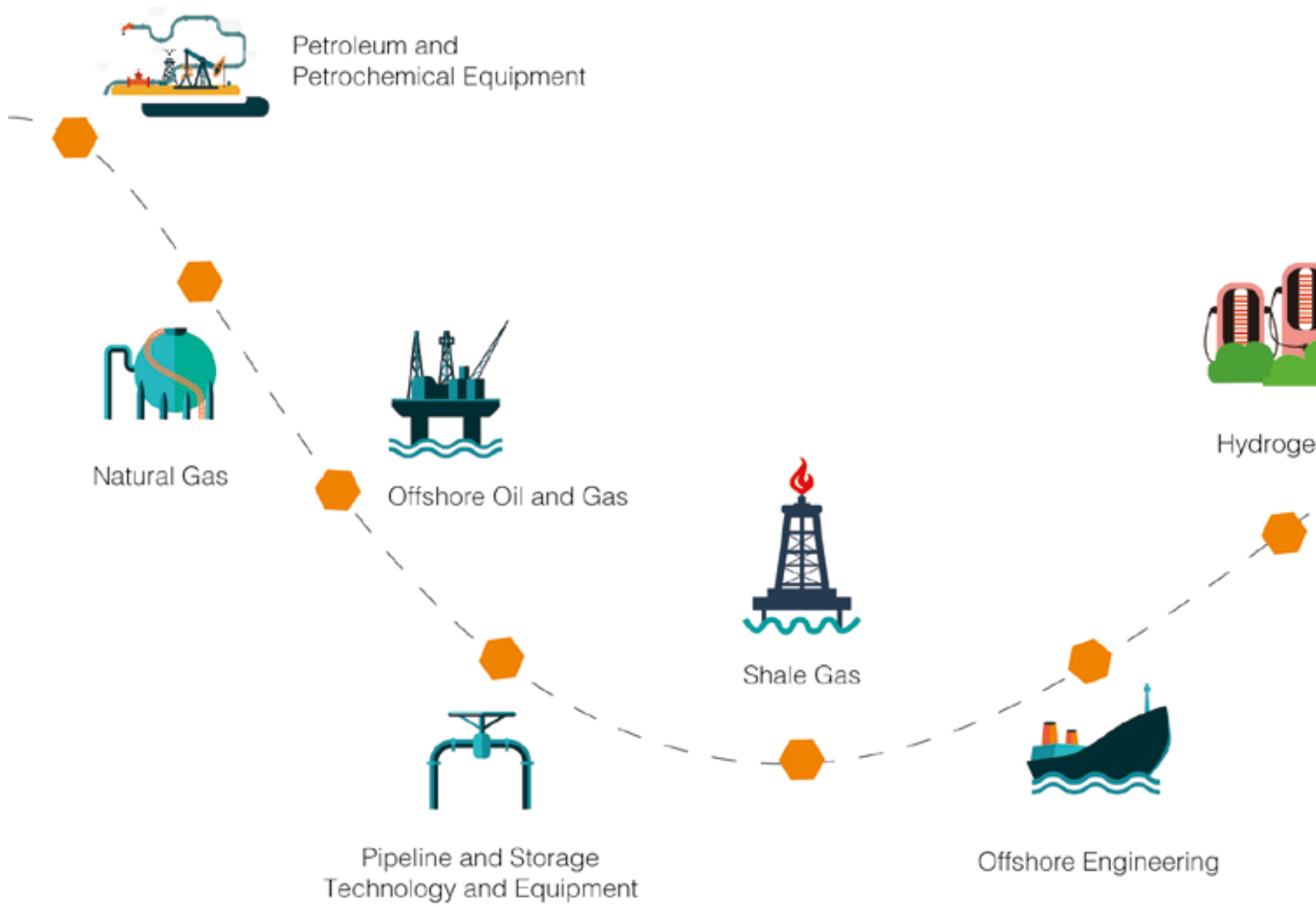
The Annual World's Leading Event for Oil & Gas Industry

From 8 to 10 June 2021, the 21st China International Petroleum & Petrochemical Technology and Equipment Exhibition (cippe2021) was held in Beijing, attracted 1,800 exhibitors & 123,000 professional visitors from 65 countries and regions around the world, and covered an exhibition area of 90,000 square meters.

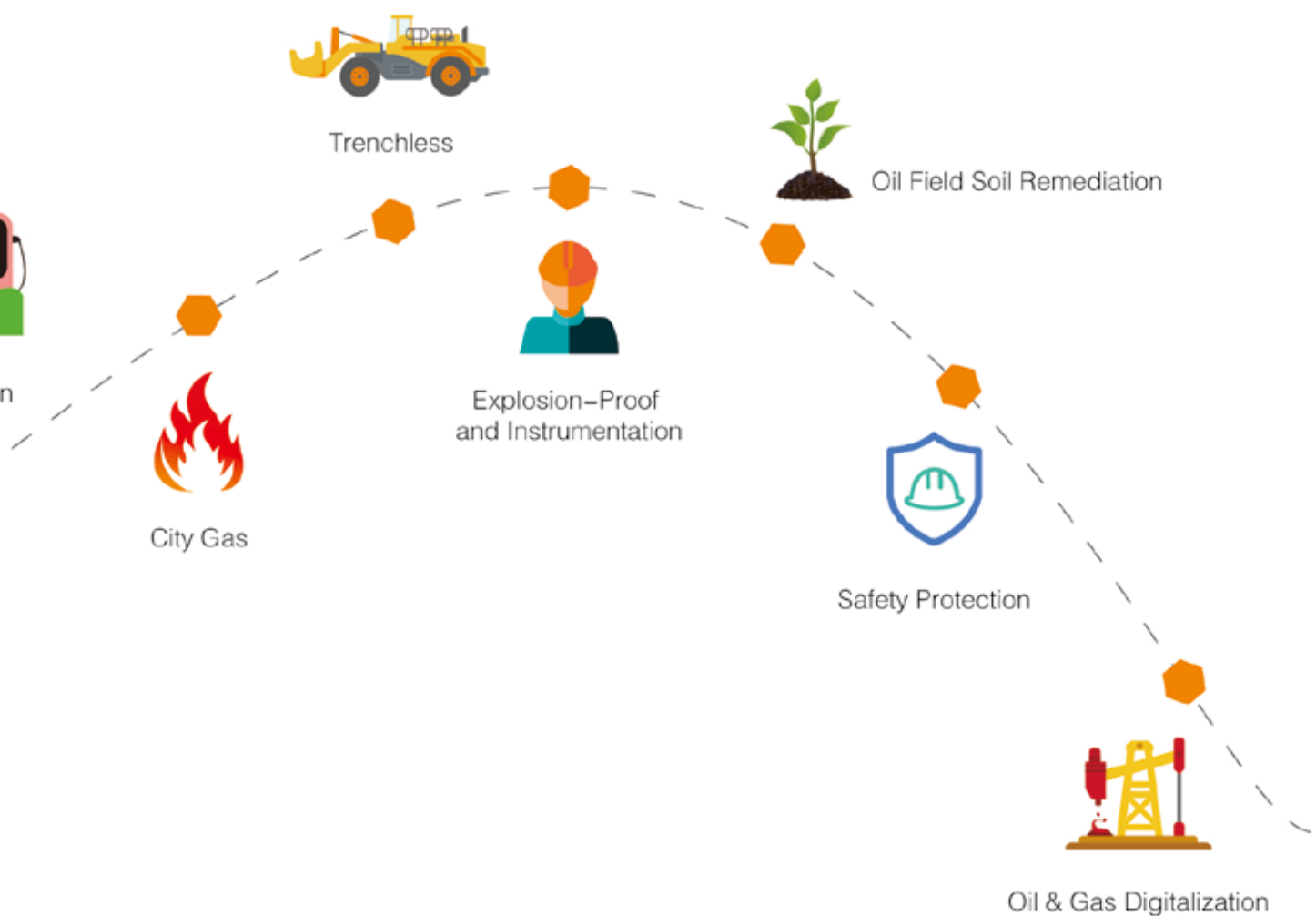
As an exhibition supported and guided by the MOFOM, cippe has become a weather vane of world's oil and gas industry. It is not only a one-stop platform for showcasing innovative products and technology, deepening cooperation, and expanding business exchanges, but also a high-end platform for the collision and integration of new ideas, new technologies and new achievements.



Whole Industry Chain Layout



In addition to the existing categories of petroleum, petrochemical, offshore oil & gas, natural gas, shale gas, offshore engineering, oil and gas pipelines, safety protection, instrumentation, explosion-proof electric, cippe2021 adds city gas, hydrogen, trenchless and other sectors, and set up an underwater robot exhibition area, to further improve its layout in the whole industry chain. And the specialized exhibition zones provide a more professional and accurate matching platform for the procurement.



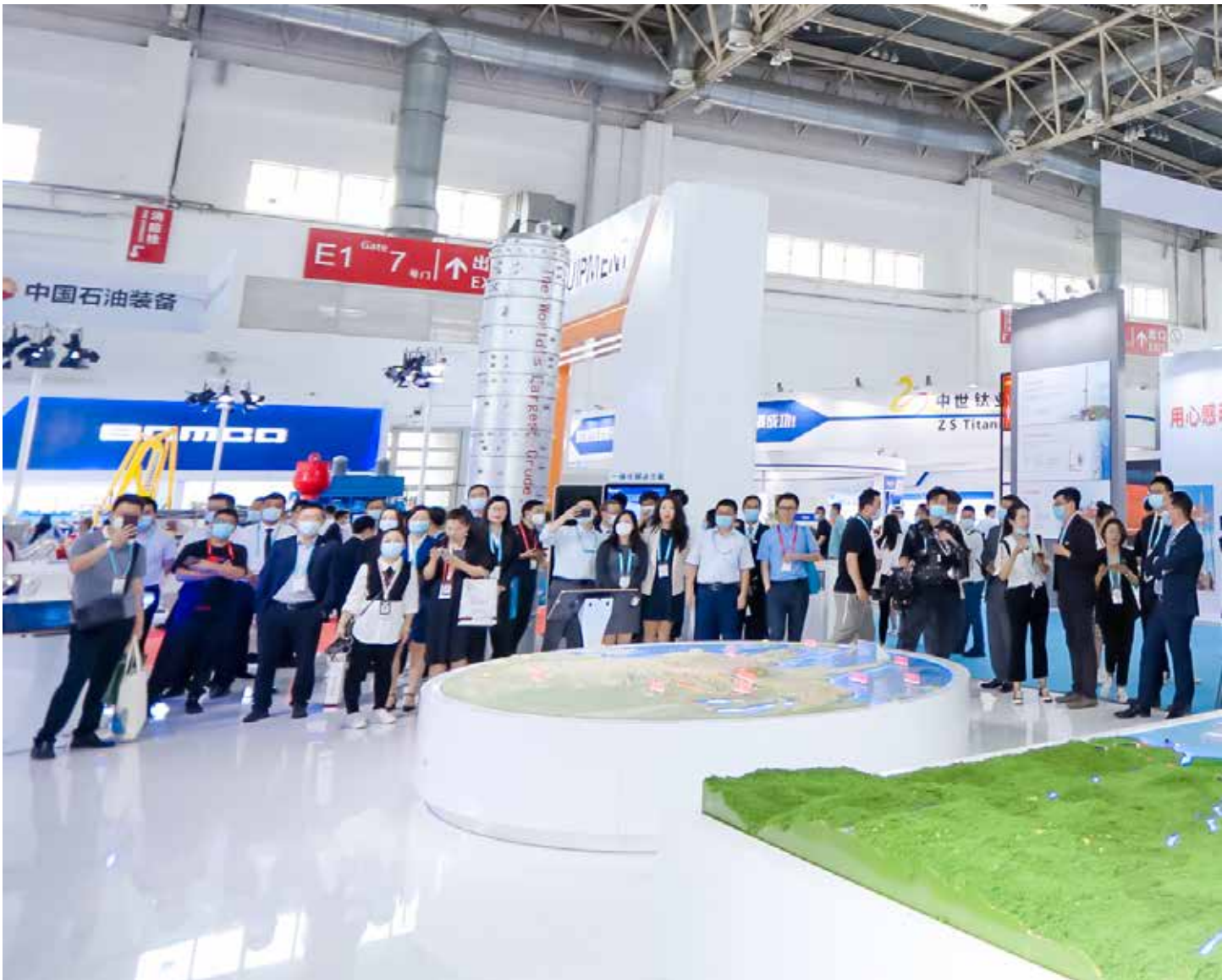
Keeping Abreast with International Energy Status Advancing the Development of Natural Gas Industry



In recent years, as China has exploited and utilized natural gas on a large-scale basis, natural gas consumption has greatly risen in such sectors as power generation, civil engineering, transport, and chemical engineering. In addition, countries worldwide have attached much more importance to the green and low-carbon economy, so natural gas development has reached a new level. During the "14th Five-year Plan" period, the domestic demand for natural gas will remain rapid growth and the industry will also experience rapid development.



Advancing Deployment in Hydrogen Energy Building A Clean, Low-Carbon Energy System



During the "14th Five-year Plan" period, at the backdrop that China has now embarked on a new journey to build a modern country and made commitments to peak carbon emissions by 2030 and achieve carbon neutrality by 2060, China has accelerated the reform in the oil and gas industry. Setting the two carbon goals has made new energy sought-after by the market again and hydrogen energy has become one of the focuses. cippe2021 set up a hydrogen energy exhibition area, attracting enterprises represented by CNPC, Sinopec, etc. Building a clean, low-carbon, safe and efficient energy system has become a consensus for world oil and gas industry.



New Growth Points at Marine Science & Technology, Marine Engineering Equipment, and Marine Renewable Resources



The ocean engineering equipment and high-tech ships were listed as one of the 10 key sectors in *Made in China 2025* that proposed to develop deep-sea exploration, resource utilization, as well as support equipment for offshore operation and its related key systems and special equipment. In 2020, the abrupt Covid-19 outbreak greatly challenged the development of the marine industry. However, as China set the two carbon goals, marine science and technology and marine renewable resources have become new growth points of the industry. CSSC, CANSI, JASI, Kongsberg, COSL, CNPC, Sinopec, Guoxing Huijin, Shanghai Jiao Tong University, Jiangsu University of Science and Technology, Jiangsu CDSR, ROBOSEA, VVLAI Robot, Weichai, KEEN Offshore Engineering, Hempel, etc., had all participated in.





Sharing Intelligent Pipeline Construction Facilitating National Pipeline Development



In recent years, with the increase in both oil and gas consumption and import, China has continuously scaled up the oil and gas pipeline network and significantly improved the construction and operation. After the completion of PipeChina's asset integration, it is expected that relevant construction will be expedited; the oil and gas pipeline construction may reach the planned target by 2025, and the market size may come to stand at RMB 1.6835 trillion during the 14th Five-year Plan. Well-known pipeline companies, including Daye Special Steel, Tangxing Machinery, Boai Pipeline, Minghe Steel Pipe, Lontrin, etc., showcased new products, new technologies and new solutions.

International Exhibitors Proportion is up to 40%



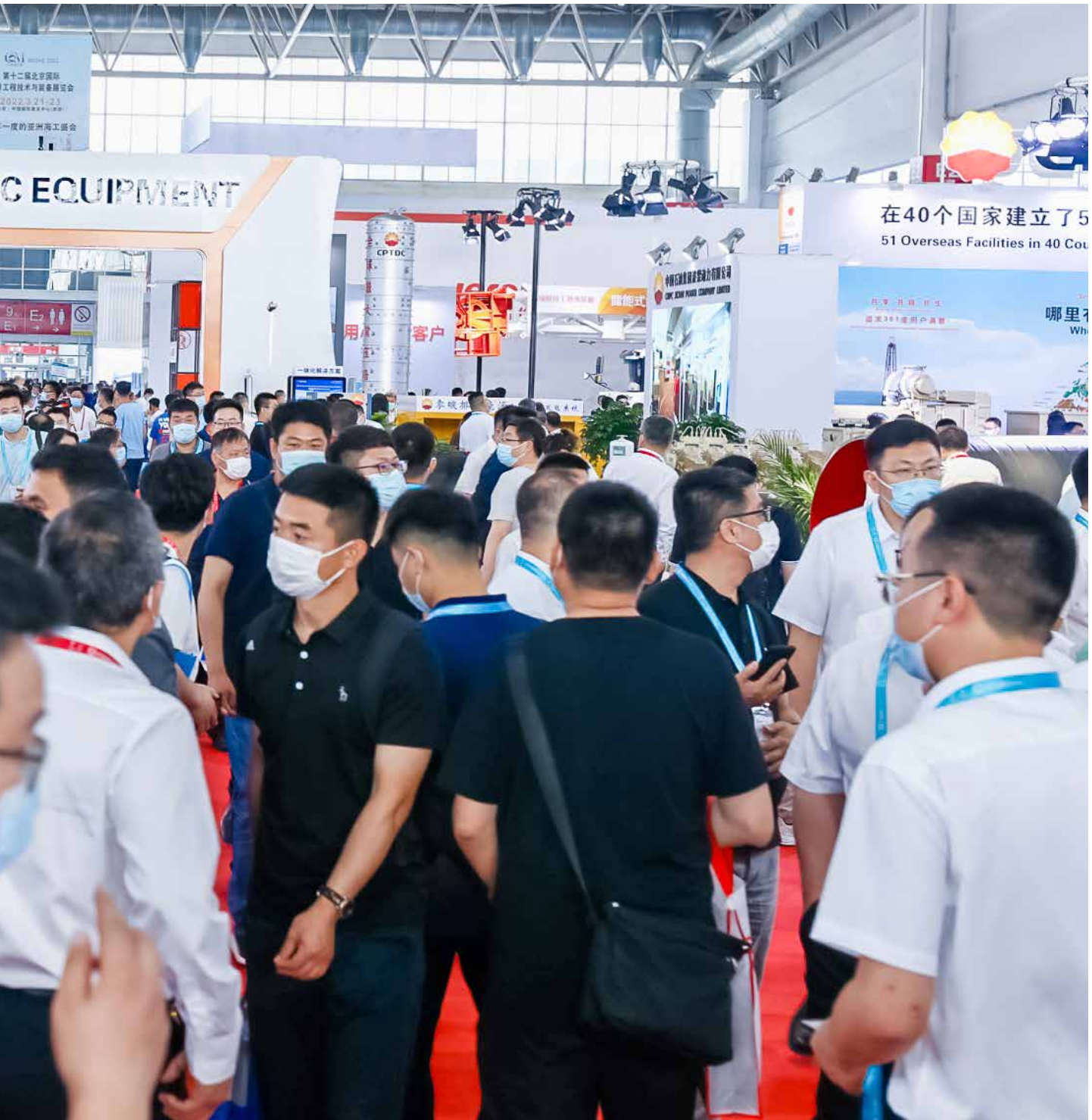
cippe2021 attracted international pavilions and exhibitors from the United States, Germany, Britain, France, Canada, Italy, South Korea, Malaysia, etc, as well as renowned international companies such as Schlumberger, Baker Hughes, Caterpillar, ABB, Allison Transmission, Hempel, API, Kongsberg, Eaton and others.



With Multi-channel Precision Marketing cippe2021 Welcomed 123,000 Person-time Professional Visitors



cippe2021 conveyed 123,000 person-time professional visitors, and over 300 purchasing delegations. Besides traditional promotion channels like newspaper, magazine, outdoor advertisement and so on, cippe2021 also takes advantage of various popular online platforms such as Tik Tok, Kuaishou, Toutiao and others, to maximize its marketing coverage. High quality visitors were invited one-on-one, visiting purpose and procurement needs were collected in advance, to provide precise supply-demand matching service.



Concurrent Events Propelling the Transformation of Oil & Gas Industry



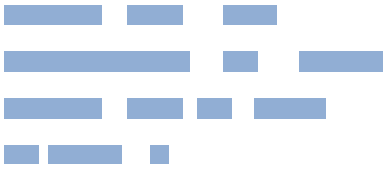
Currently, the world is undergoing accelerated changes of a scale unseen in a century. Stricter restraints on carbon emissions to address climate change have become a consensus in the international community. China's commitment to achieving carbon neutrality will give a strong impetus to domestic energy transition. Themed with Accelerating Digital Transformation to Embrace Quality Development, a series of summits, forums, seminars, conferences were held concurrently with cippe2021.







02 | WELL-KNOWN EXHIBITORS

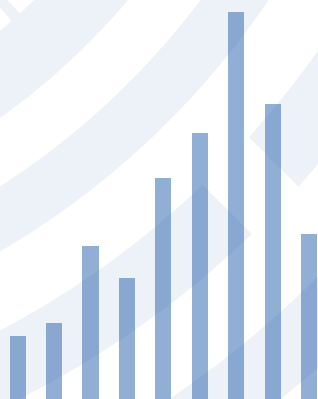


PURPOSE OF EXHIBITING





EXHIBITOR SATISFACTION





China National Petroleum Corporation (CNPC)

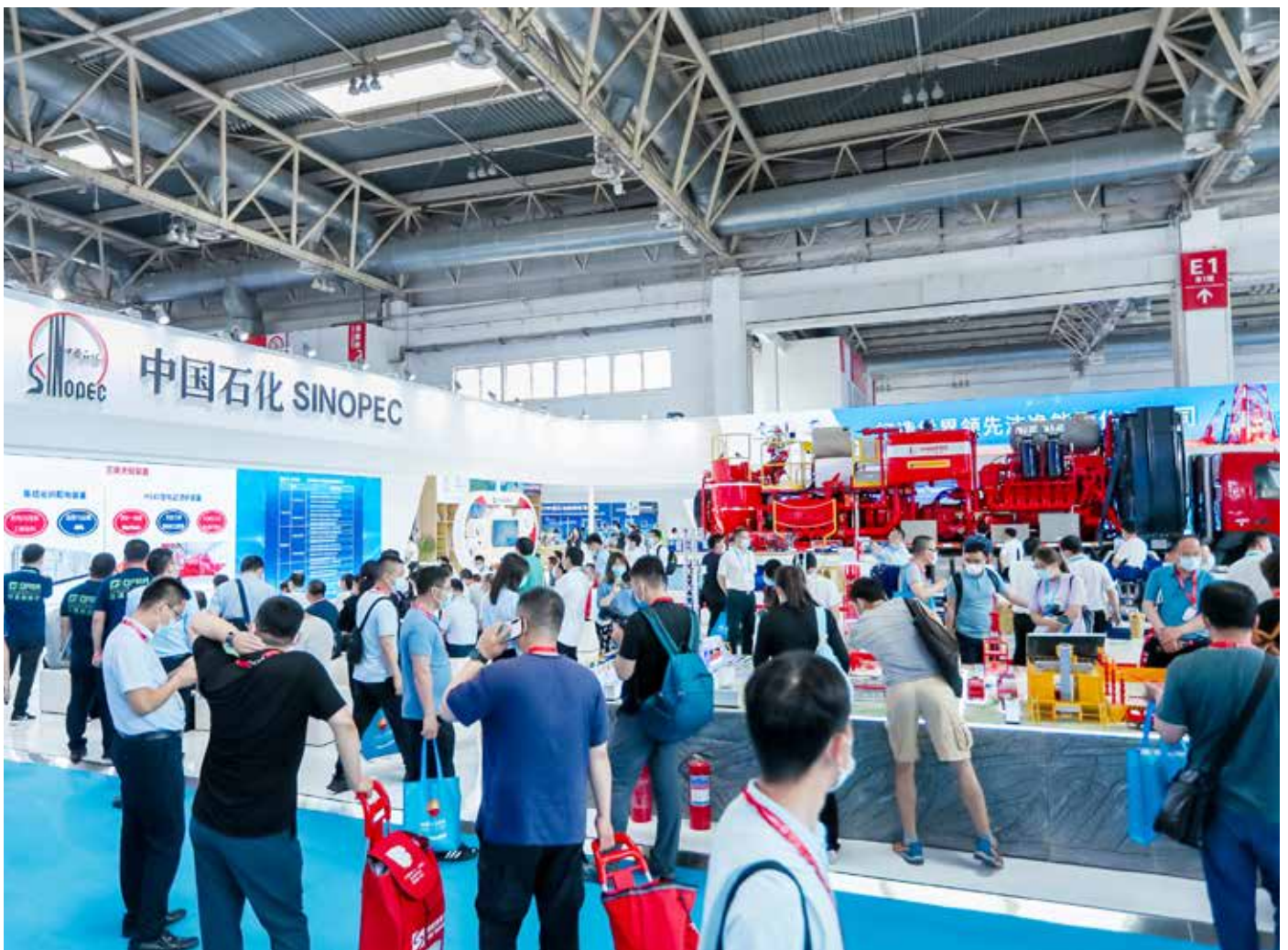
A total of 15 subsidiaries under CNPC participated in cippe2021, formed the most eye-catching delegation. It was the 11th time that CNPC had sent a trade mission to cippe. CNPC exhibited more than 300 physical objects and models, including more than 100 new products and technologies, such as the "one-button" man-machine interaction 7,000-meter automatic drilling rig, AnyCem® Software Platform and Automatic Cementing Technology & Equipment, 8,000-meter four-single-pillar drilling rig, large-caliber thick wall hot bend, IoT software system for oil and gas production, etc.





China Petrochemical Corporation (Sinopec)

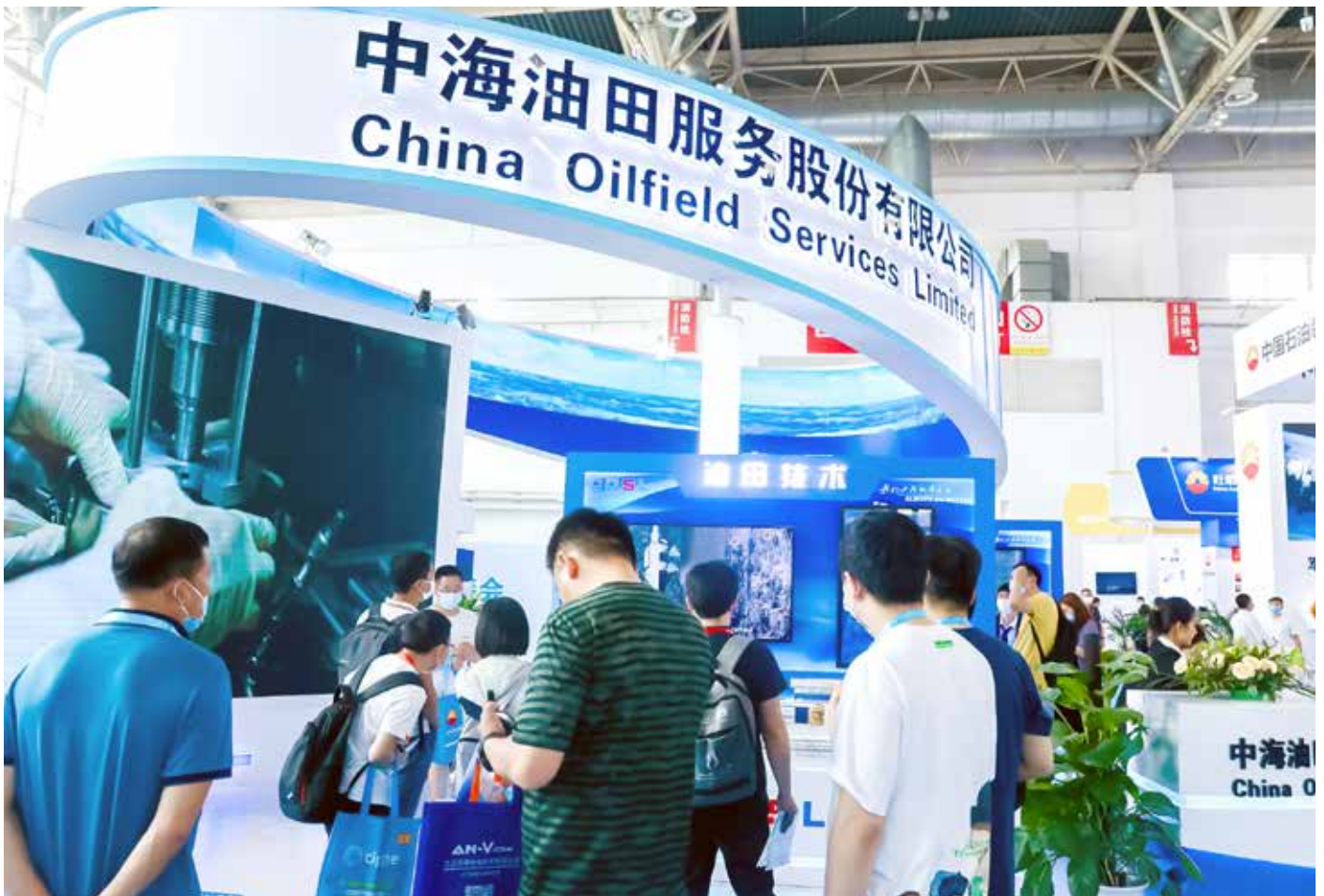
China Petrochemical Corporation (Sinopec) exhibited several new products and eight thematic technologies of four oil and gas equipment solutions, including the large full-electric fracturing equipment and tool solutions, ultra-deep drilling engineering key equipment and tool solutions, clean energy gas boosting key equipment solutions, digital intelligence control and equipment health management solutions.



COSL

China Oilfield Services Limited (COSL)

COSL is a large-scale integrated oilfield services provider in the world. Its four main services divisions are geophysical services, drilling services, well services, and marine and transportation services, cover the exploration, development, and production phases of the oil and gas industry.





Sany Petroleum Intelligent Equipment Co., Ltd.

With the theme of "Digital-driven Intelligent Manufacturing for Future", Sany mainly showcased intelligent fracturing equipment & technology services, intelligent drilling (repair) automation, and pump accessories, fully displayed the company's achievements in independent innovation of oil equipment in recent years. It mainly exhibited the 2300 new-generation hydraulic fracturing truck, LG630 continuous string coiled tubing unit, 6000 electric drive fracturing skid, and Sany well site multifunctional machines and tools.



Schlumberger

Schlumberger

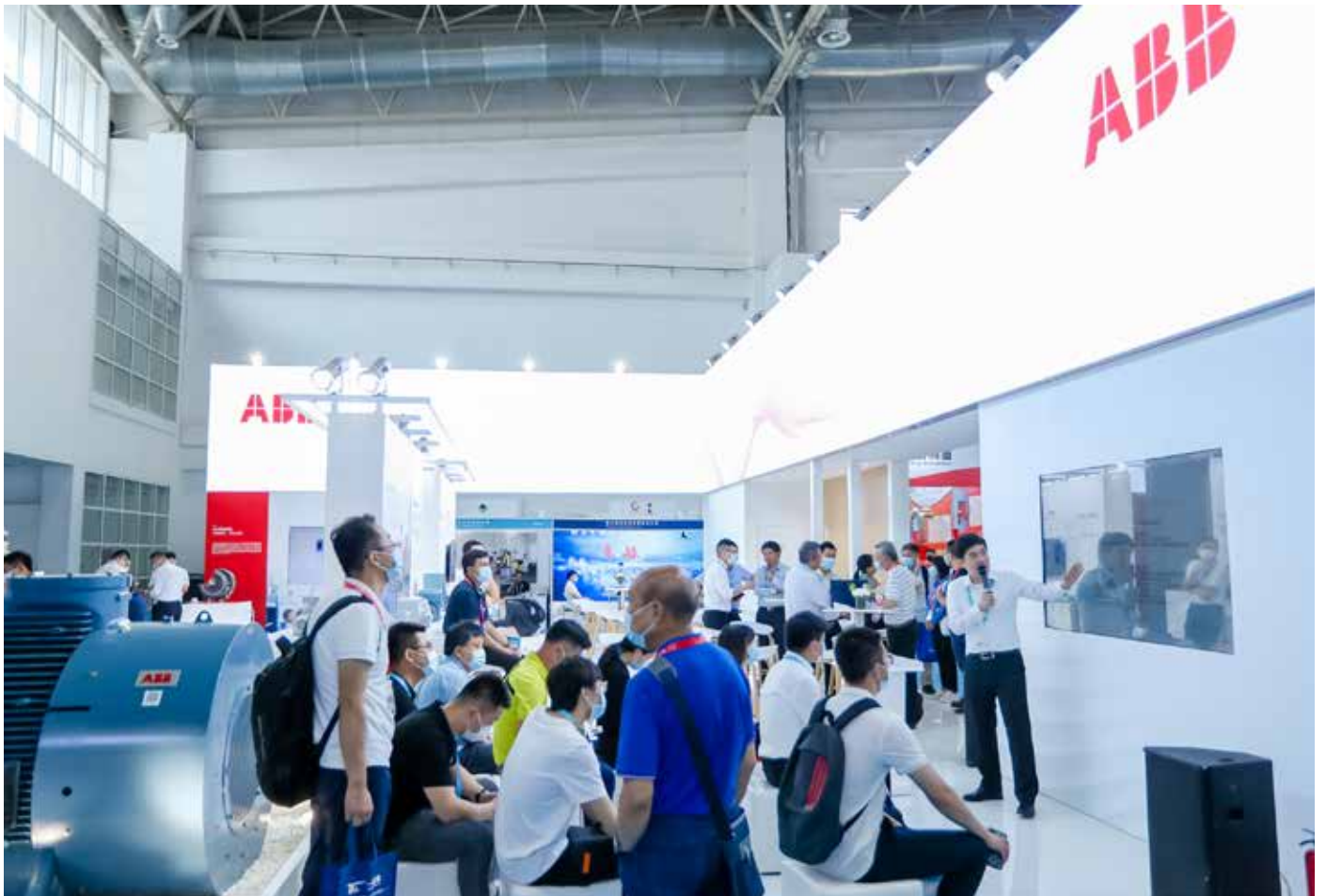
As the world's largest oilfield technology service provider, Schlumberger not only exhibited advanced equipment and technologies but also held 20 product promotions and technical seminars during the exhibition, covering the topics such as Intelligent Real-time Downhole Reservoir Test, Facilitating Industrial Reform—Carbon Reduction Related Cementing Technology, Collision of Traditions and New Technology—Prospect of Artificial Lift Technology, Super Jar—Facilitating Downhole BHA Safe and Efficient Operation, etc.





ABB

ABB is a leading global technology company, offers rich product portfolios of motors and generators and industry solutions. During the cippe2021, ABB displayed products and solutions such as AMD high voltage flameproof motors, M3JP low voltage flameproof motors, ABB Ability TM intelligent sensors for danger zones, and the full-life-cycle solutions for turbochargers.





Caterpillar

Products and solutions featured at the Caterpillar Oil & Gas exhibit included the Cat® 3512B Dynamic Gas Blending (DGB™) engine, TH53 transmission, and Reman parts. Product experts at the show discussed additional solutions including ESG-focused products, the new aftertreatment option to meet the China Nonroad Stage IV emission standards, Cat DGB technology upgrade kits, and Cat digital solutions. Caterpillar Oil & Gas has attended cippe for more than 10 years, and is committed to showcasing advanced technologies and solutions for the oil & gas industry to help customers build a better world.





Allison Transmission

Allison Transmission is an industry leader in designing, engineering and manufacturing fully automatic transmissions for the energy sector. In oil and gas fields all over the world, Allison provides rugged and reliable transmissions that could make operations more productive—even in the harshest conditions. Allison exhibited its highly acclaimed Allison 9832 Oil Field Series™ (OFS) transmission dedicated to oil field equipment together with other popular off-highway models on cippe2021.



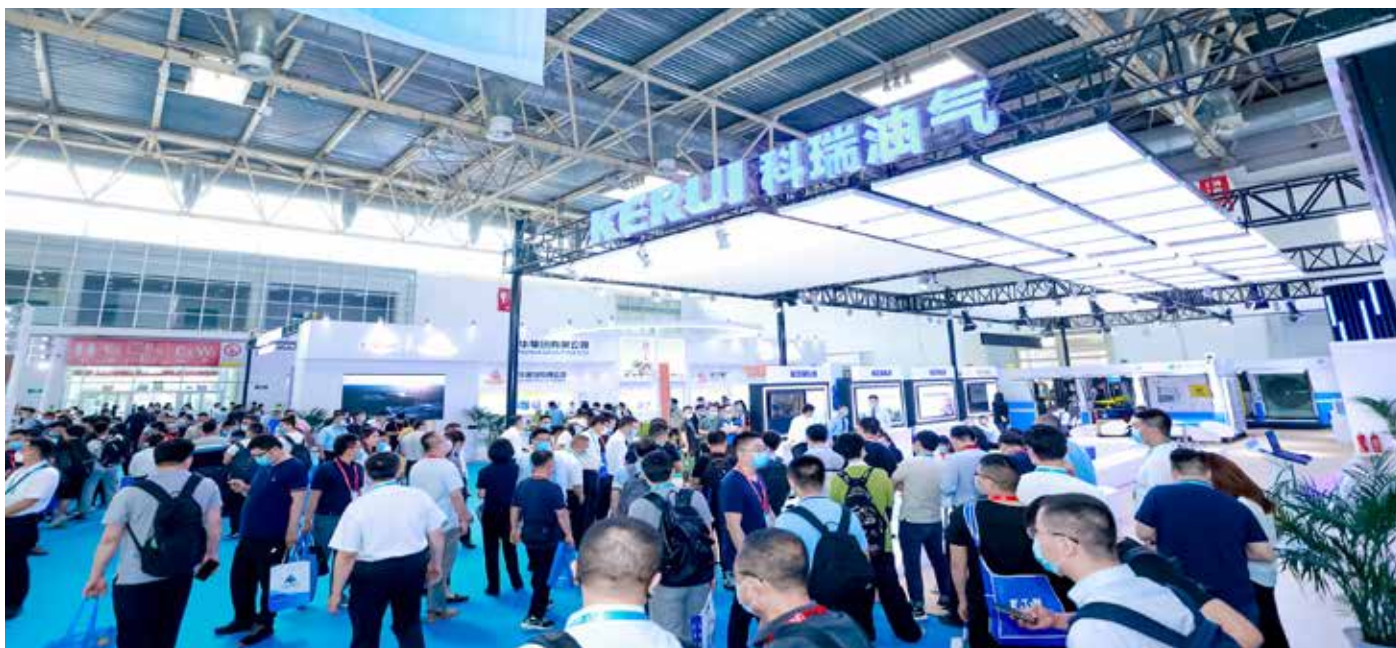
Jerrell 杰瑞股份 JERREH

Jerrell has attended CIPPE for 14 consecutive years. With the theme of "Smart, Clean, Efficient and Beyond", which aims to further improve quality and operation efficiency 2.0, it showcased innovative equipment, services and digital solutions in the fields of oil, natural gas, environmental protection and etc., and unveiled the world's first 6MW truck-mounted gas turbine generator set.



KERUI Kerui

With the theme of "Enabling More Efficient Exploitation of Oil and Natural Gas", Kerui displayed several blockbusters representing the latest trends of the industry. The 1200Nm³/h 35MPa intelligent flue gas capture and injection equipment, jointly developed by China University of Petroleum and Kerui, independently manufactured by Kerui, made its debut at the exhibition, attracted more attentions and aroused heated discussions.





RG Petro-machinery Group Co. Ltd.

China's first intelligent integrated grid-electricity-stored workover equipment developed by RG Petro-machinery Group Co. Ltd. features excellent performance and attractive appearance, won much attention and full recognition by the community after its showcase.



WEICHAI Weichai

Weichai debuted its 20M33 engine and WPG550 gas generator set at cipe2021, providing power solutions for supporting facilities of oil-gas fields. The 20M33 engine, is high-speed large-bore, up to 3000 horsepower, fits the 2500 fracturing truck/skid. The WPG550 gas generator set is equipped with water and electricity heating auxiliary start system to ensure smooth operation at a low temperature; the shed body is designed with a gas leak alarm device, for greater security; configuration cloud monitoring module is designed for remote monitoring and recording of unit data, making it more intelligent.



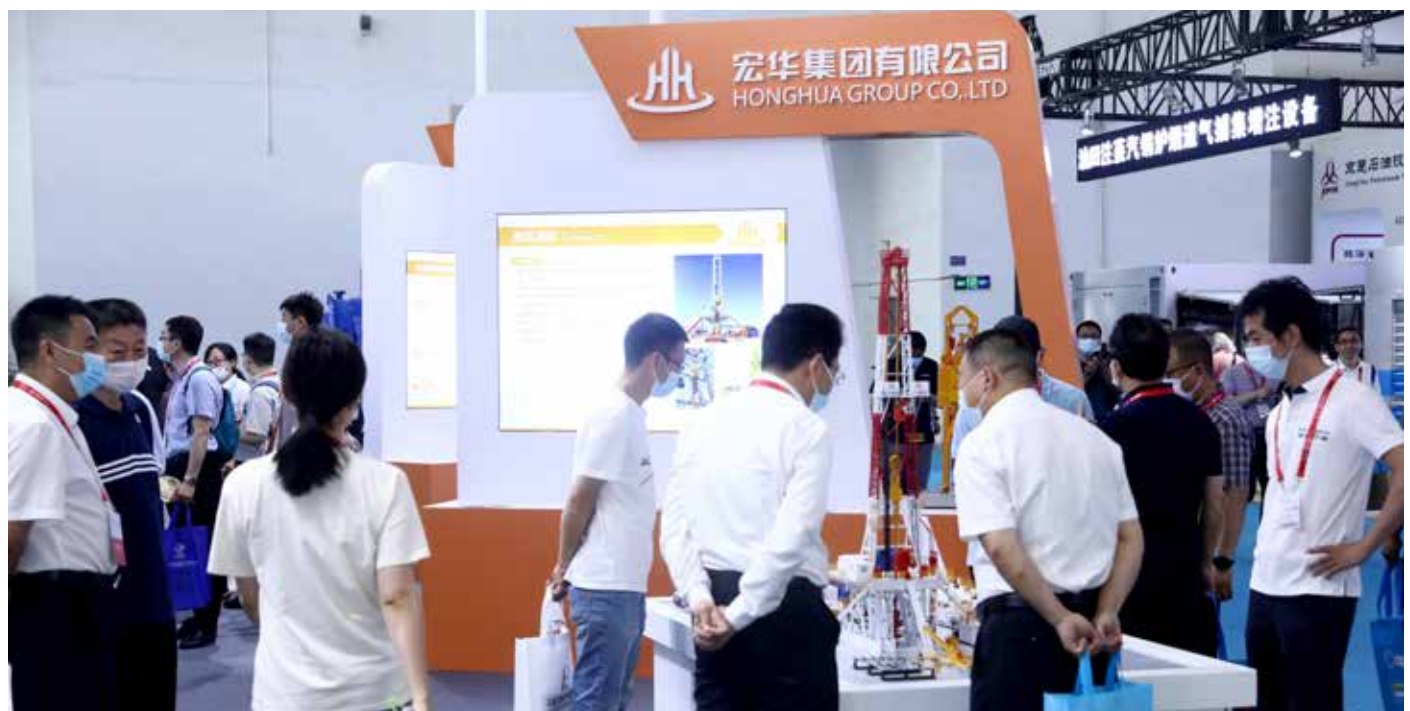
ANTON 安東 Anton Oilfield Services Group

Theme with "Empower Collaboration, Seek Common Development", it exhibited a series of solutions and characteristic technologies, such as geological engineering technologies, oilfield management, well drilling, well completion, production increase, oilfield test, asset leasing, low carbon and new energy, and intelligent oilfield solutions.



Honghua Group

HONGHUA GROUP is the only overseas-listed company of China Aerospace Science & Industry Corp, and is positioned as the main platform for energy equipment development of CASIC. It exhibited a number of star products, such as the "one-button" automated machine system, the direct drive drilling pump, the direct drive top drive, and the direct drive winch.





BESTEBIT

BESTEBIT showcased stunning representative products, such as Trident® plus drills, BESTE-Dyna-Drill screws, Shuriken® reaming devices, etc.



HABO

Panjin HABO Intelligent Oil & Gas Equipment Co., Ltd.

The business scope of HABO covers R&D and manufacture of high-end petroleum equipment, ocean engineering equipment, and environmental protection new-energy equipment, as well as equipment leasing, technical services and spares provisioning. With more than two hundreds qualified engineers and designers, it mainly focuses on designing, manufacturing, repairing and maintaining 3000M-9000M land rigs, off shore drilling & workover modules, etc.





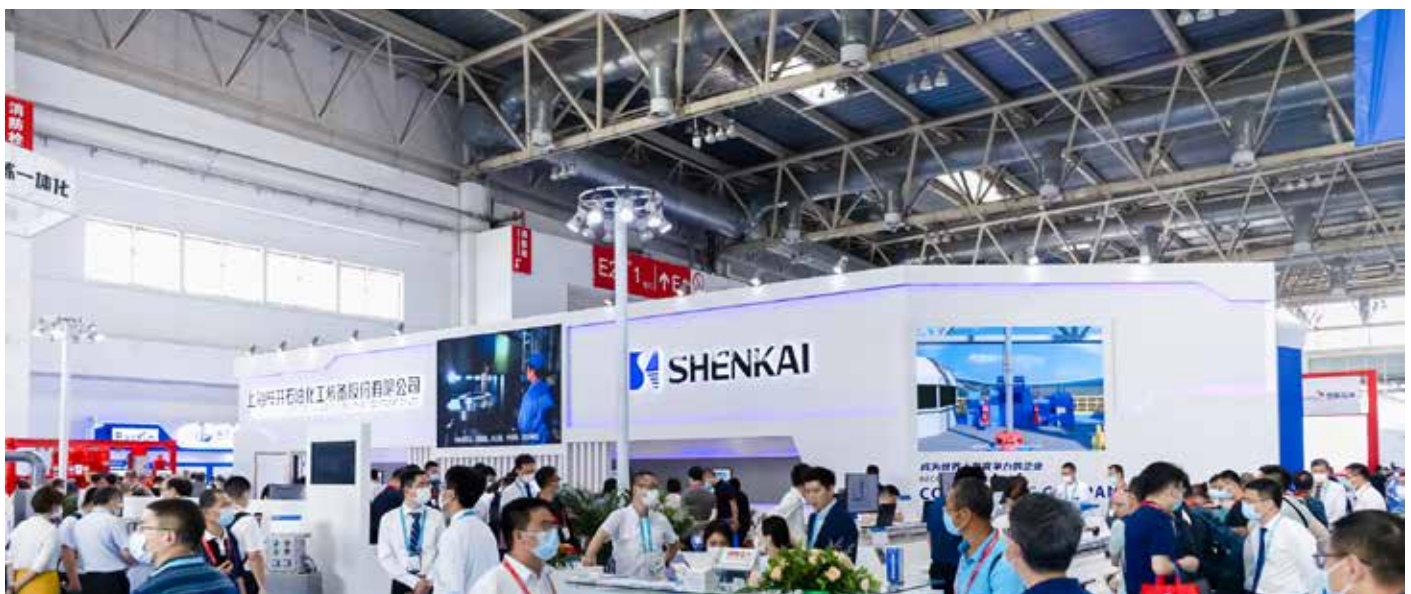
Dong Fang Xian Ke

Dong Fang Xian Ke highlighted two sectors, namely equipment manufacturing and engineering services. As for equipment manufacturing, it mainly exhibited automatic, intelligent, and electric products; in terms of engineering services, the company focused on advanced engineering technologies such as unconventional tight gas and deep-well overhaul, fishing, and treatment.



Shanghai Shenkai Petroleum and Chemical Equipment Co., Ltd.

Shenkai displayed its new generation MWD/LWD platform-based AziExpress™ geosteering combination instrument, a full range of pulsers, LWD software platform LADDER, high-temperature high-pressure high-intensity well logging series, well control and wellhead products as well as featured control systems, cloud logging systems, new generation chromatographic instruments, automatic gasoline octane number measuring machine, special rubber seals, etc.





Haimo Technologies Group Corporation

Haimo Technologies Group and its subsidiaries Xi'an Sitan Instrument, Shanghai Qinghe, Lanzhou Chenglin, Haimo Pandora, Haimo Underwater, and Haimo Energy, comprehensively demonstrated its leading position in deep-water, deep-layer, unconventional oil and gas exploration and development, as well as oilfield digitization.



Petrokh

Petrokh exhibited its latest R&D result, an 11MW onboard gas turbine-powered vehicle, which makes electric drive fracturing possible in all oilfield conditions, providing stable and reliable power support for efficient, low-cost, and intelligent well site operations and also supplying power in natural disasters, emergency rescue, and the army's field operations. Meanwhile, Petrokh displayed the new generation 2800 fracturing truck, fracturing-fluid flowback truck, and HP720 mixing truck, which are more stable than the previous generation.



Petro-king Petro-king

百勤油服

Petro-king is a leading independent provider of high-end oilfield services specializing in well drilling and completion. Its services mainly include technical consultation, project management, well drilling, completion, production, IPM, surface equipment in oilfield, and also provides associated products. It showcased latest products and solutions at cippe2021.



HILONG Hilong Group

It was the first time that Hilong Group had participated in cippe. It mainly exhibited new products and new technologies in the fields of oilfield equipment, pipeline technology and services, new materials, oilfield services, and marine engineering, including independently developed non-API high-end drilling rigs, the integrated pipeline control system, intelligent inspection products, onshore drilling (repair) services, technical services, integrated services, undersea pipelaying, offshore hoisting, etc.





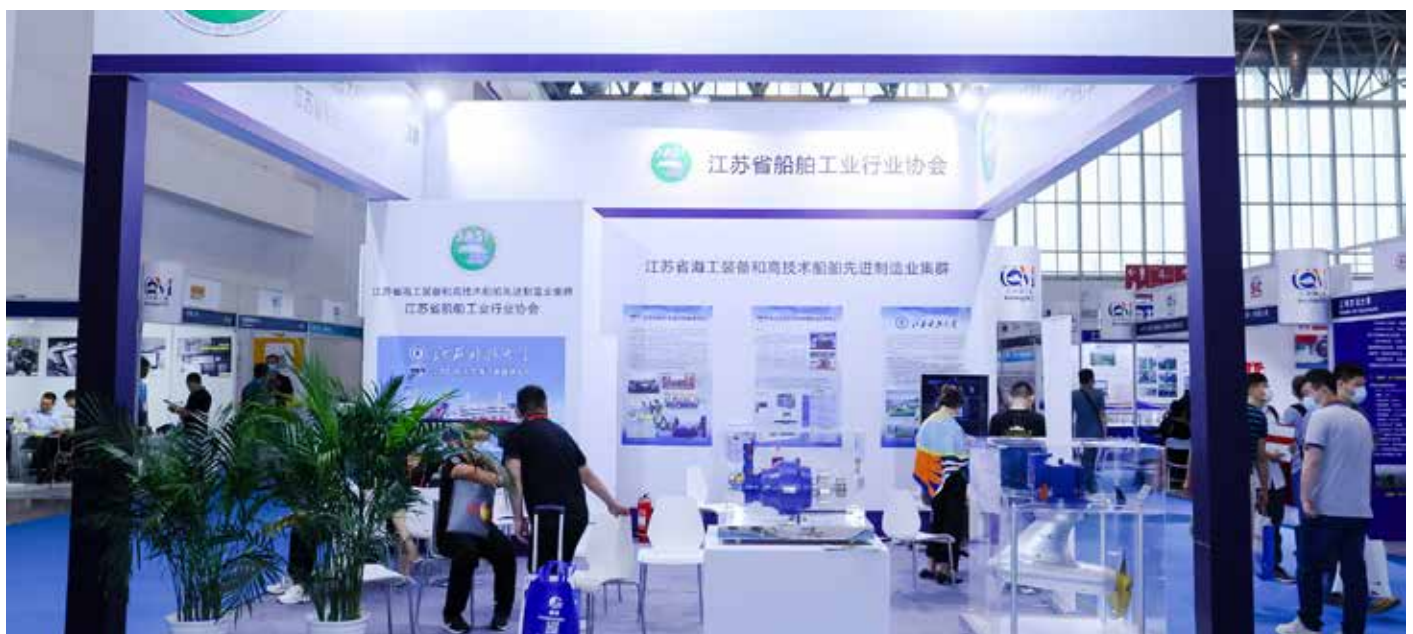
Dongying Economic and Technological Development Zone

The High-end Equipment Industrial Park of the Development Zone organized nine enterprises to cippe2021, including Highland Petroleum Equipment, Xinda Group, Weima Equipment, Sinocera, VictorySoft, Kechuang, etc., attracted more than 6,000 visits, built relationships with 230 traders, and reached purchasing intentions worth about RMB 120 million.



Jiangsu Association of Shipbuilding Industry

Jiangsu Association of Shipbuilding Industry, together with Jiangsu University of Science and Technology, Marine Equipment and Technology Institute of Jiangsu University of Science and Technology, Nanjing High Accurate Marine Equipment Co., Ltd., and other member companies attended cippe2021, demonstrated their core technologies and products of the marine industry.



XBSY® Chengdu West Petroleum Equipment Co., Ltd.

Chengdu West Petroleum Equipment showcased new products such as VFD intelligent variable-frequency high-speed centrifuges and bi-trace high-frequency vibrating screens, attracting wide attention from visitors, including leaders of major petroleum companies.



ZS Titanium Co., Ltd.

ZS Titanium Co.,Ltd is a joint-stock enterprise, integrating R&D, production and sales of high-end titanium and titanium alloy seamless pipe, non-ferrous metal, etc. Its main products are high-end large-caliber seamless titanium alloy pipe, titanium alloy workpiece, titanium alloy drill pipe, titanium alloy oil pipe, titanium alloy casing, titanium alloy pipeline and titanium alloy pipe fittings for energy use, with an annual production capacity of up to 50,000 tons.





GN Solids Control

GN Solids Control exhibited its latest products, including GHOST-01A oily sludge treatment system, GNLW554ET decanter centrifuge, GNNSP-40B vacuum pump, drilling drying machine, and GN negative pressure vibrating screens.



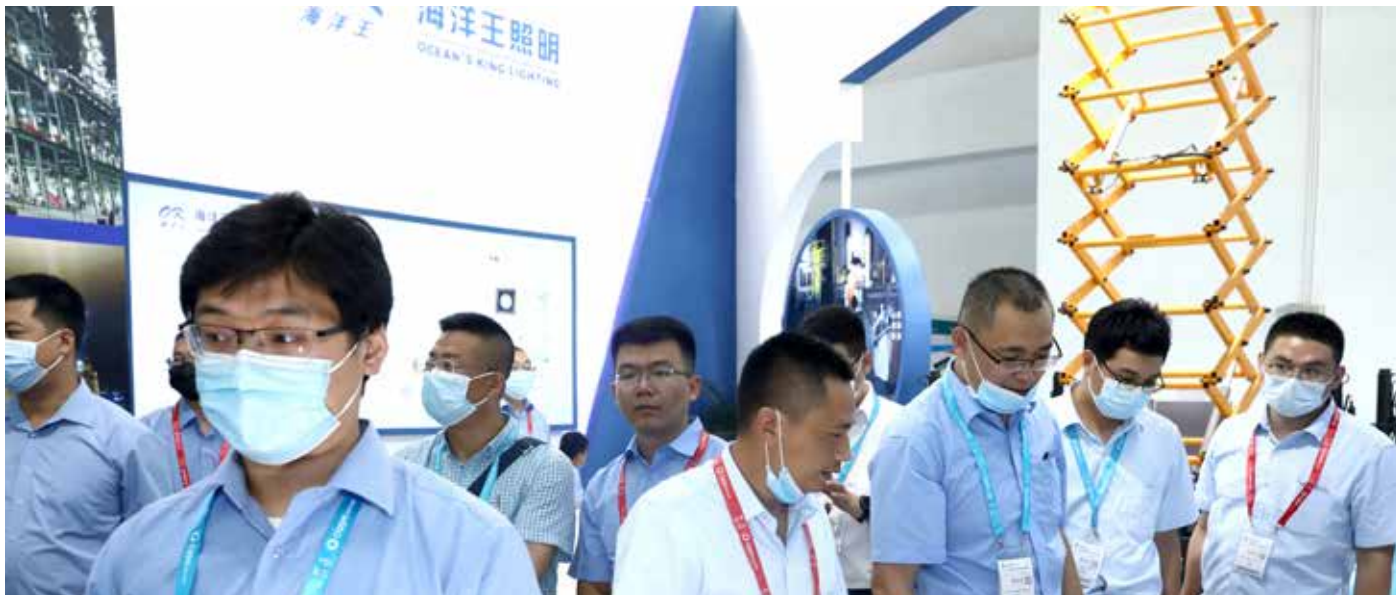
Sunward

Sunward displayed the shield tunneling machine model, inspection drones, etc. By dint of the cippe platform, Sunward demonstrated its strength and brand influence, built relationships with customers in the field of oil and gas, deepened relationships with central enterprises like CNPC, Sinopec, and PipeChina, promoted communications with users like CPECC and Daqing Oilfield, and received orders of 30 pipelayers and welding stations, worth nearly RMB 50 million.



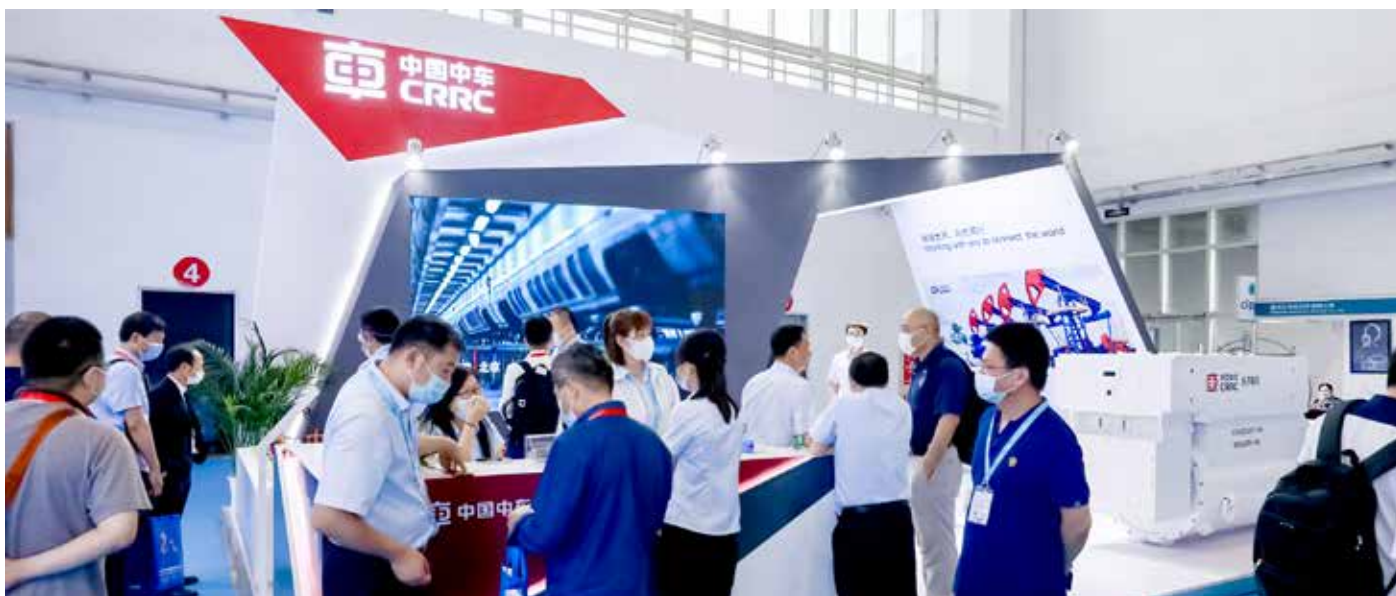
OK Ocean's King Lighting 海洋王

Ocean's King Lighting showcased its petroleum and petrochemical lighting solutions and professional lighting equipment. For different petroleum and petrochemical conditions, it has developed portable, mobile, 4G image transmission, and fixed explosion-proof lighting equipment, covering emergency rescue lighting equipment such as explosion-proof lighting, mobile, lighting, onboard image transmission equipment, and indicating devices and emergency rescue secure services, suitable for daily lighting, inspection, and emergency rescue in petroleum and petrochemical industry.



中国中车 CRRC

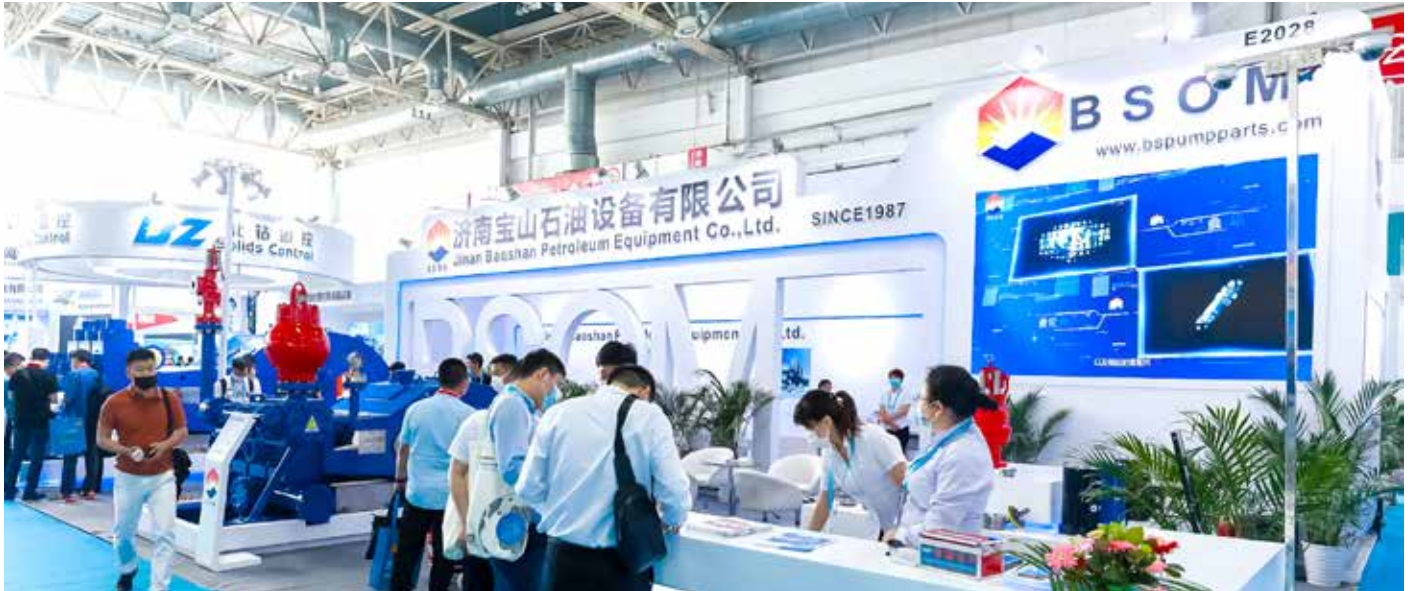
CRRC Yongji Electric Co., Ltd., established in 1969, is a core subsidiary of CRRC. As a scientific and technological enterprise in the development of electric transmission and new energy power products, Yongji Electric provides electric transmission system solutions to global users in fields of rail transit, energy equipment and engineering machinery. Its products have been exported to over 50 countries and regions, subsidiaries and manufacturing bases have been established in India and South Africa.





Jinan Baoshan Petroleum Equipment Co., Ltd.

Jinan Baoshan Petroleum Equipment Co., Ltd. engage in research, development and production of spare parts for oil & gas drilling mud pump and plunger pump. Products range include valve & seat, piston, liner, module, piston rod, pony rod, crosshead, crankshaft, pinion shaft, pulsation dampener, safety valve, etc.



Jiangsu Rutong Petroleum Machinery Co., Ltd.

Jiangsu Rutong Petroleum Machinery Co., Ltd. is a professional company principally engaged in the R&D, manufacturing and sales of drilling and production equipment and tools. In recent years, it took proactive steps to adapt to the development requirements of drilling and workover automation, expedited transformation and upgrade, and developed a raft of high-tech wellhead automation equipment such as hydraulic drill elevator, powered slips, automated catwalk and automated well maintenance devices.



CDSR Jiangsu CDSR Technology Co., Ltd.

CDSR exhibited the fluid engineering hose pipes newly designed for offshore oil & gas and marine industry, mainly used for FPSO/FSO projects, and also meet the transmission needs of fixed oil production platforms, self-elevating drilling platforms, single point buoy systems, refineries, and wharves. Beyond that, CDSR provides services such as the EPC general contract of the transmission pipeline for the FPSO tail transmission and single-point system and pipeline concept study, engineering scheme study, pipe selection, basic design, detailed design, and installation design.



CITIC HIC Kaicheng Intelligence Equipment Co., Ltd.

The company's independently developed specialized robots, including those often used for fire detection, smoke discharge, and fire extinction, the latest second-generation fire detection robots, and explosion-proof wheeled inspection robots stunned on-site visitors. In addition, it exhibited intelligent inspection and intelligent fire system solutions for the hazardous chemical substance industry.





Wuhan Sanjiang Aerospace Yuanfang Technology Co., Ltd.

The company exhibited the products and services, such as YF200HP difunctional fast open-hole logging platform system, MPS pressure gages, AFT precise oil detection and test system and well logging services, natural gas equipment and services, and VOCs waste gas treatment equipment and technologies.



Third Academy of China Aerospace Science and Industry Corporation (CASIC)

Established in 1961, CASIC Third Academy is an aerospace technology research institute integrating pre-research, development, production, and support, with complete supporting facilities and product categories.





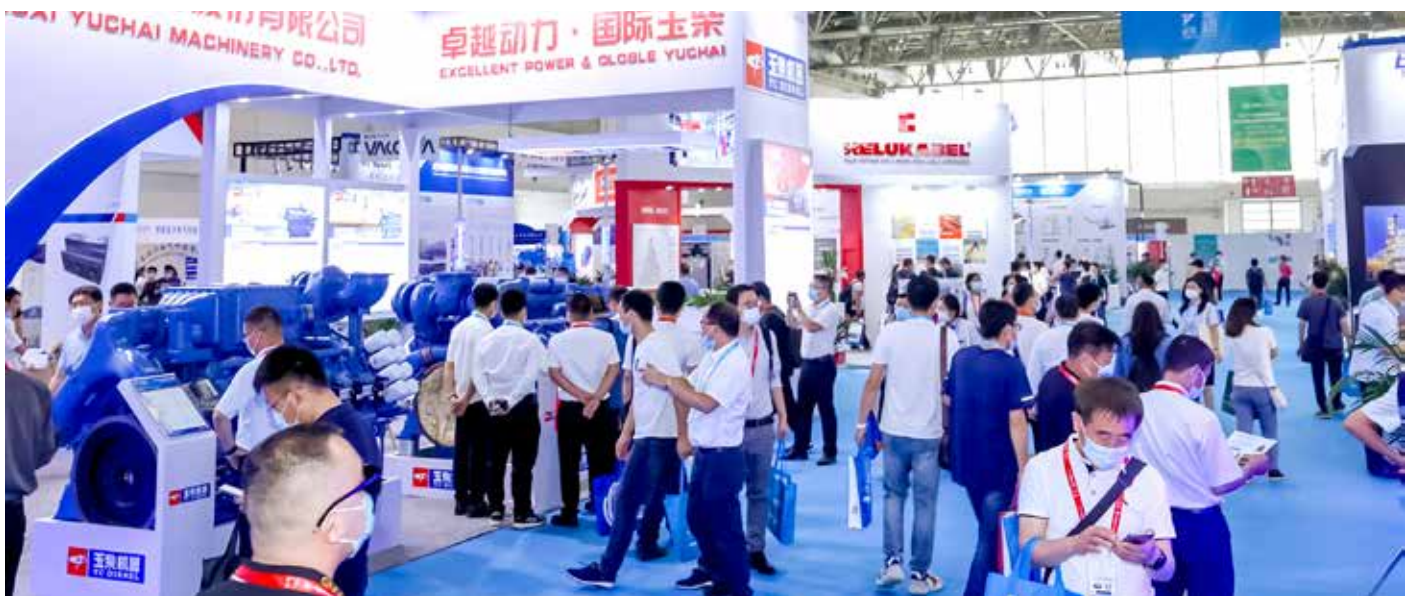
Guo Xing Hui Jin

Guo Xing Hui Jin was a new exhibitor participant. It exhibited DFA-M7000 distributed fiber analyzers, which feature high reliability, high stability, super-high performance, and low power consumption. The series of products are intelligent instruments designed with the automated temperature calibration device, remote terminal control, and data transmission, easily compatible with the user's system.



Guangxi Yuchai Machinery Co., Ltd.

Guangxi Yuchai Machinery Co., Ltd. manufactures the most complete spectrum and widely used internal combustion engines in China, and ranks 9th among China's top 100 machinery manufacturers. Its products cover six fields: truck, coach, passenger car, construction machinery, agricultural machinery, marine and G-Drive engine, forming 15 series of heavy-duty, medium, light and mini engines. Leading peer has launched the first engine to meet the emission standard of the National IV, V, and VI, leading the green revolution of the engine industry.





American Petroleum Institute is an authorized organization serving global oil and gas industry, plays an important role through publishing industry technical standards, which help engineers in the design, operation, and maintenance of efficient and reliable quality management systems and keep abreast of technological advances. Equipment manufacturers and service providers based on API standards are recognized in the industry through applying for API certificate. It also provides professional training, and organizes events regularly for the improvement of oil and gas industry.



As a leading manufacturer of high-quality drive components and brakes, KTR supplies mechanical couplings, clamping sets, torque limiters, torque measuring systems and hydraulic components all over the world. With more than 60 years experience in power transmission, KTR is a trendsetter in the development of coupling technology and offer customised solutions to all industries.





Graco

Graco manufactures and markets premium equipment to move, measure, control, dispense and spray a wide variety of fluid and powder materials. Main products include hot melt glue machines, polyurethane spraying equipment, high-pressure sand ejectors, hot melt ruling machines, coating equipment, plunger pumps, vertical injection molding machines, electric diaphragm pumps, self-priming pumps, pneumatic spraying machines, screw pumps, peristaltic pump hose, high-pressure airless spraying machines, and chemical self-priming pumps.



EAT·N

Eaton

Powerware

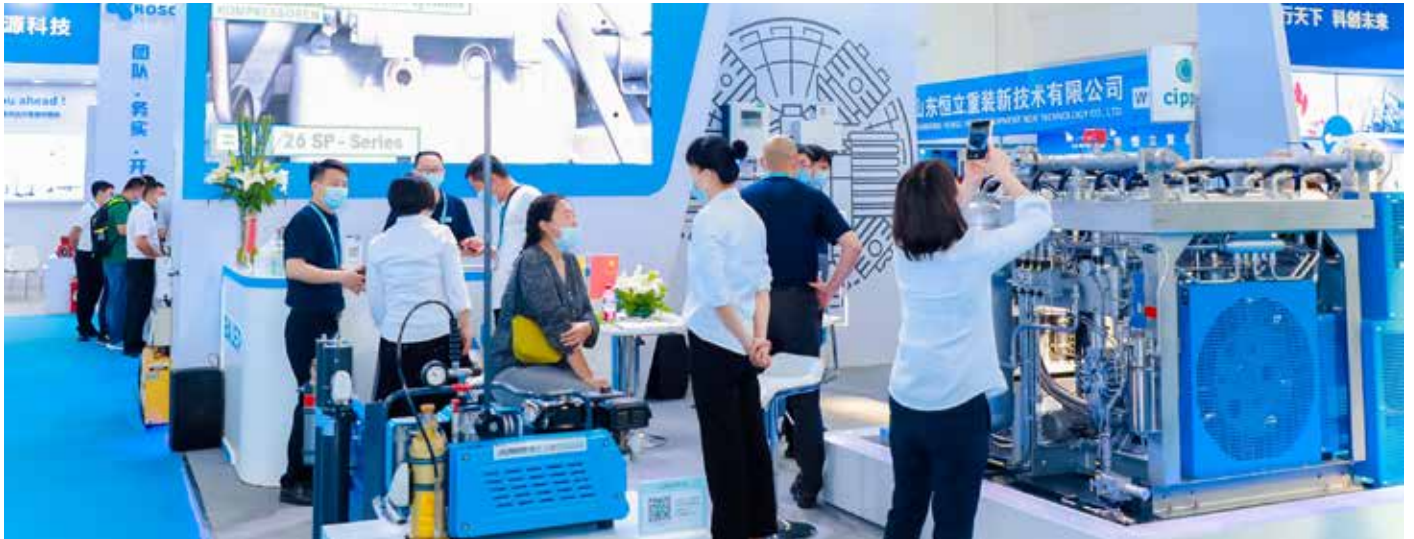
Eaton has its business operated in more than 175 countries and regions and provides customers with effective and efficient products and services to help them effectively manage electric, hydraulic, and mechanical power in a more reliable, efficient, secure, and sustainable manner. Through industry-leading electric, space, hydraulic, and vehicle products and services, Eaton helps customers address the greatest challenge of power management.



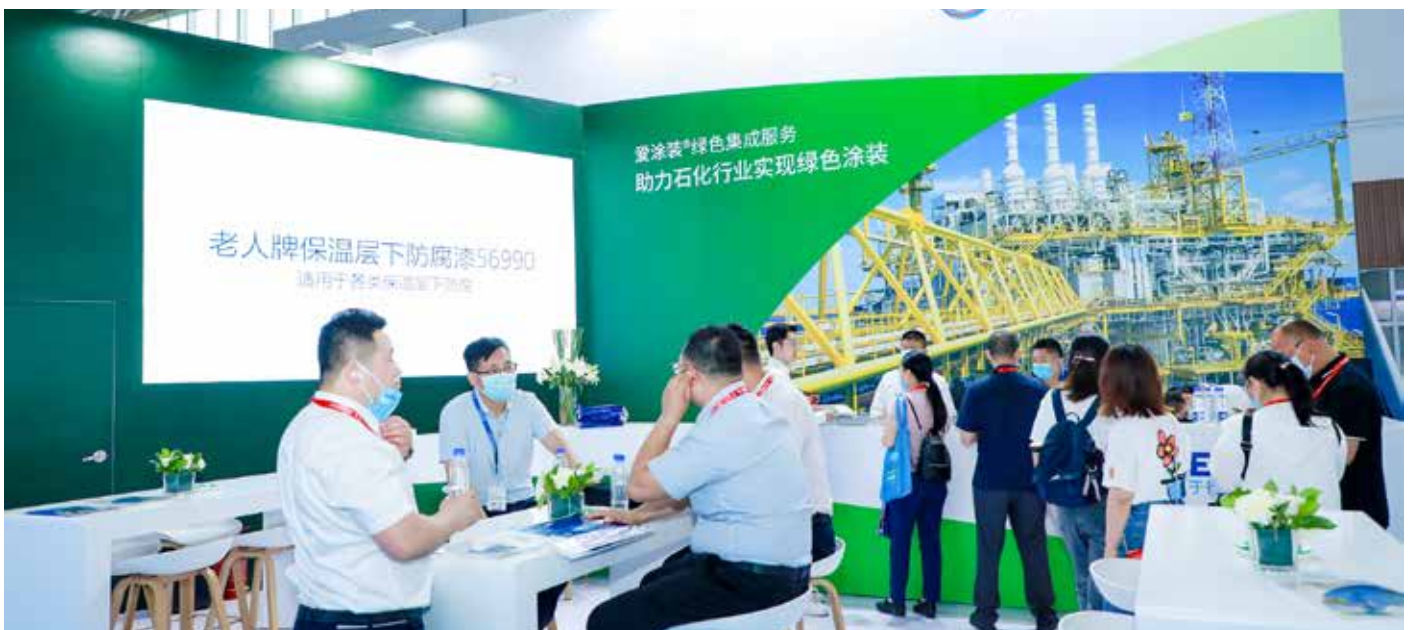


BAUER KOMPRESSOREN

BAUER KOMPRESSOREN has been unrelentingly focusing on R&D and manufacturing of medium and high pressure compressors. Its products are widely used in processing air, nitrogen, helium, argon, natural gas, etc. and its one-stop solutions can cover compression, control, purification, storage and distribution, with pressure range from 30 to 500 bar. It mainly exhibited high-pressure compressors JUNIOR II and BAUER 680, K23-SP series all-in-one screw superchargers, online monitoring device B-DETECTION, and P80 high-pressure filter system.



As a world-famous coating supplier, Hempel is extremely experienced in maintaining oil and gas facilities. To meet the anti-corrosion treatment and green coating needs for upstream large marine engineering equipment and various devices in the downstream oil and gas industry, Hempel showcased its integrated green coating services at the exhibition.



ROSO ROS Energy Technology (Chengdu) Co., Ltd.

ROSO group is specialized in providing design, manufacturing, R&D, rental and services for domestic and overseas customers in oil, gas and coal drilling & production industry, especially the high end oil and gas fracturing equipment industry.



KONGSBERG

KONGSBERG

KONGSBERG is specialized in developing advanced technologies, and providing extreme performance for extreme conditions. KONGSBERG Digital, a subsidiary of KONGSBERG, is not only the group-wide center of digital expertise for KONGSBERG, but also a provider of next-generation software and digital solutions. It is devoted to delivering high-technology systems and solutions to clients within the oil and gas industry, merchant marine, renewables and utilities.

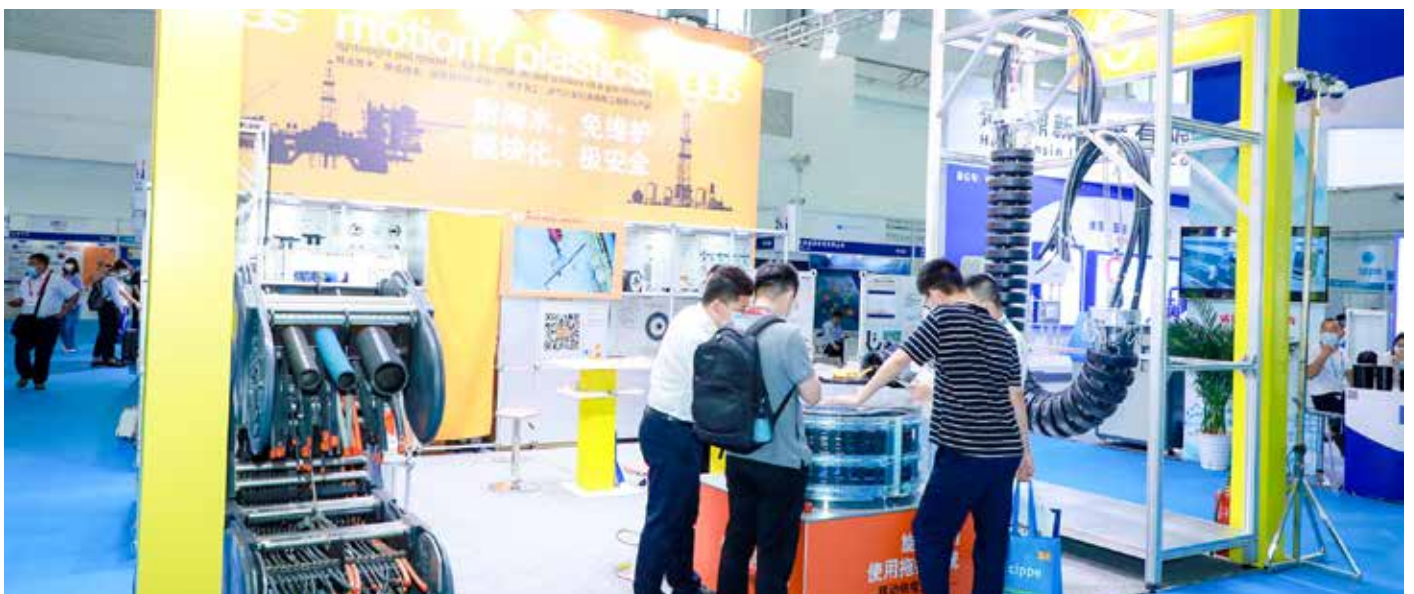




Wandfluh is a manufacturer of high quality industrial hydraulic valves with a history of 70 years. Its standard valves have a modular design and can already be configured in a variety of combinations and options, helping to meet customers' needs as far as possible. Beside standard products, it also provides suitable solution to meet the specific needs of chosen applications.



igus starts business in 1964 with headquarters located in Cologne, Germany. After tens of years' development, igus has set up subsidiaries the world over. Since its foundation 50 years ago, igus has been engaged in research and development of polymer products; and nowadays igus is recognized as the leader among all energy chains, flexible cable and polymer bearings manufacturer worldwide, and owns more than 200,000 customers all over the world.





KSB is one of the world's leading manufacturers of pumps, valves and systems. KSB Petrochemical and Chemical Business Department made its debut on cippe2021 since KSB's strategic market segmentation in 2020. It exhibited products widely used in chemical and energy industries, including its star product HG boiler feed pump (model), CHTR high-pressure centrifugal belt drive pump (model) that enables reliable transportation under high pressure, light-weighted and handy MegaCPK standard chemical pump, etc.



Beijing HTWB Petroleum Technology Co., Ltd.

Beijing HTWB Petroleum Technology Co., Ltd is committed to the all-round development of directional drilling related business and technical services, has a professional R&D team, focusing on research and development of MWD, LWD and Resistivity Tools with independent intellectual property rights.





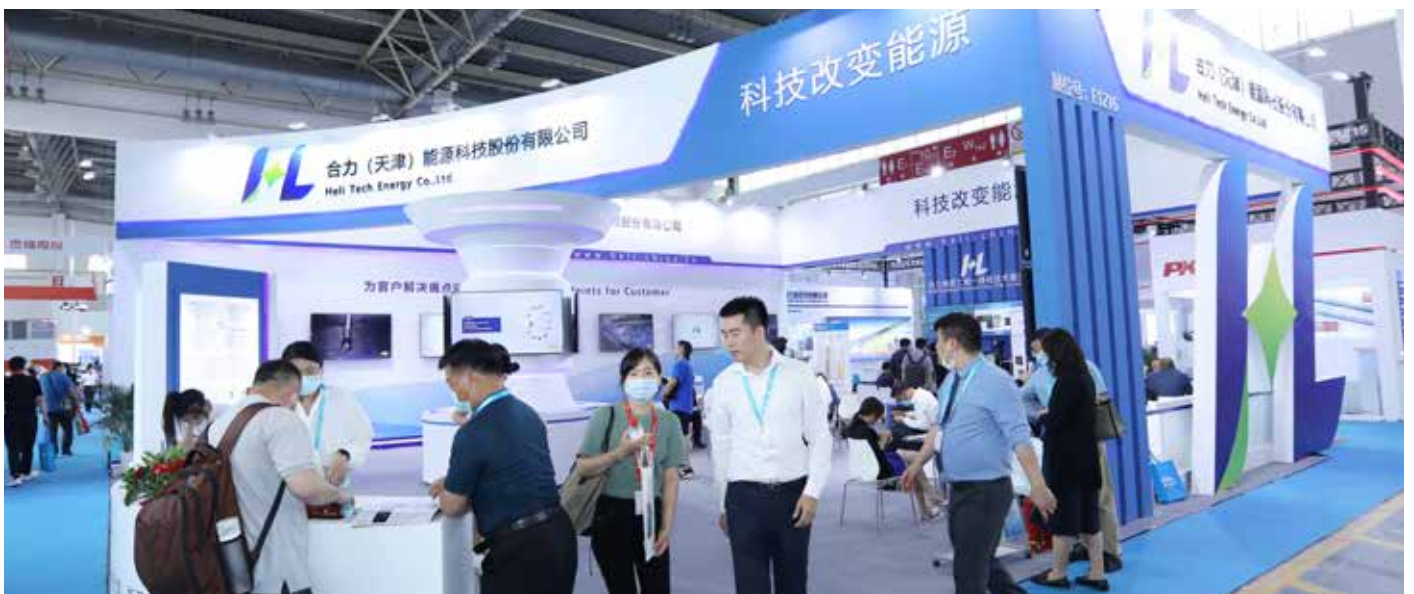
Xi'an Brightway Energy Machinery Equipment Co., Ltd.

As a company specialized in R&D and production of solid-liquid separation equipment, Brightway Energy mainly exhibited the new-type double-deck shale shaker, three-deck shale shaker, new-type drilling drying machine, decanter centrifuge, and new-type sludge vacuum pump. It also displayed new technologies and case studies concerning solid-liquid separation in the last two years, including oil drilling, oilfield environmental protection, and directional drilling for trenchless pipe jacking.



Heli Tech Energy Co., Ltd.

Heli Tech Energy Co., Ltd. is a sci-tech corporation focusing on oil & gas technology research and development. Heli's business includes R&D, drilling and well intervention service, high-end equipment maintenance, precision machining, IOT & Big data service.





VVLAI

Shandong Future Robot Co., Ltd.

Shandong Future Robot Co., Ltd. is specialized in R&D, production and sales of underwater robots, marine engineering operation robots, fire fighting robots, network interactive robots, etc. With its own R&D team, mainly produces Underwater 360 degree rotary robot, Dolphin ROV, Deep sea inspection and salvage ROV, ROV with track system, Suspension ROV, Pipe inspection robot, Underwater panoramic suspension manipulator arm, Underwater electric cutting machines and others.



格瑞迪斯

Xinjiang Grand Oilfield Technology Inc.

Xinjiang Grand Oilfield Technology Inc. has been committed to providing customized services for oil & gas drilling and completion engineering through introduction of new products, new process and new technologies. Main production lines include integration of MPD drilling equipment and MPD drilling service, lost circulation material manufacturing and providing plugging operation service, well integration service, early kick monitor service, DD drilling service, downhole tool manufacturing and downhole complex accident handling.





Boai Pipeline Technology Group

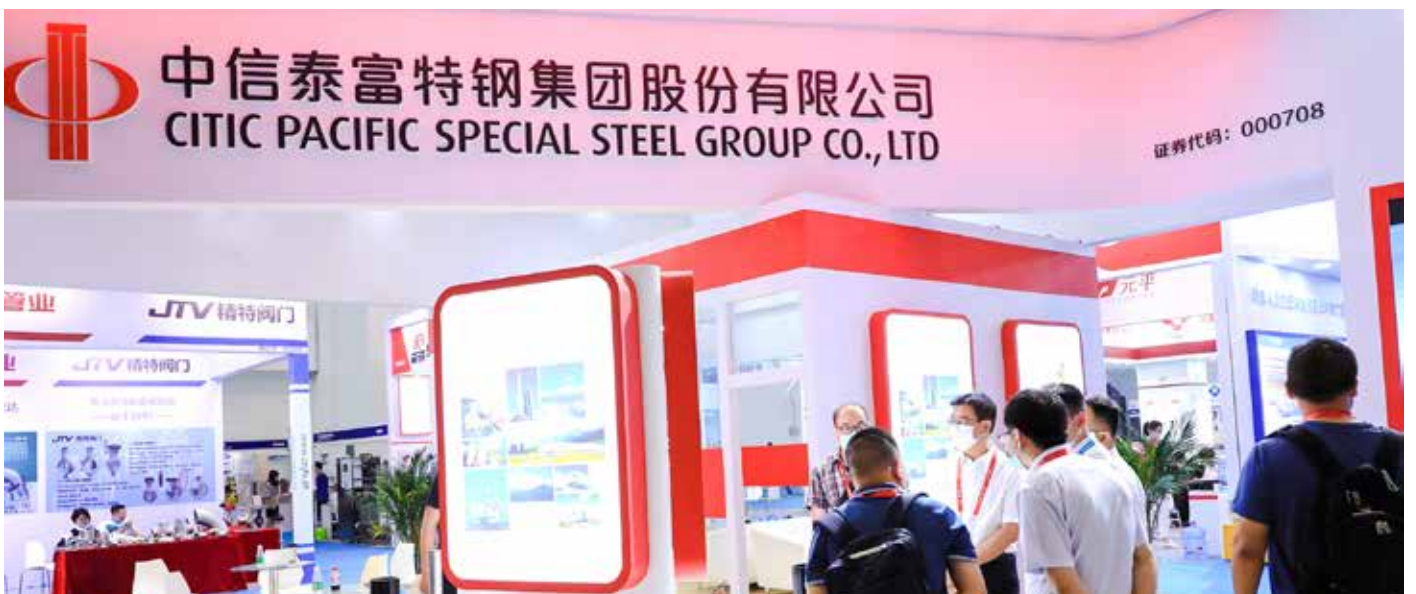
Boai Pipeline Technology Group is a forerunner in the oil-gas pipeline industry. On cippe2021, it showcased several star products, including high-precision high-intensity HFW welded pipe, SAWH spiral pipe, external anti-corrosion pipe, plastic-coated epoxy anti-corrosion pipe, liquid epoxy-coated anti-corrosion pipe, polyurethane insulation pipe, oil-gas pipe, oil casing and so on.



中信泰富特钢
CITIC PACIFIC SPECIAL STEEL

CITIC Pacific Special Steel Group Co., Ltd.

CITIC Pacific Special Steel Group is a production base in China that manufactures the most complete range of special steel, such as high-quality bars, high-end medium-thick-wall seamless steel pipes, and high alloy forgings. With an annual production capacity of nearly 4 million tons of special steel, advanced equipment, unique combination of bars, pipes, and forgings, and creative processes and products, it is able to provide customers with "one-stop" services and solutions.





Germany Pavilion



USA Pavilion



Canada Pavilion

International Pavilions

cippe2021 attracted more than 200 enterprises from the United States, Britain, Germany, France, South Korea, Canada, Malaysia and other countries and regions to present products and technologies in oil, natural gas, marine engineering and related fields.



UK Pavilion



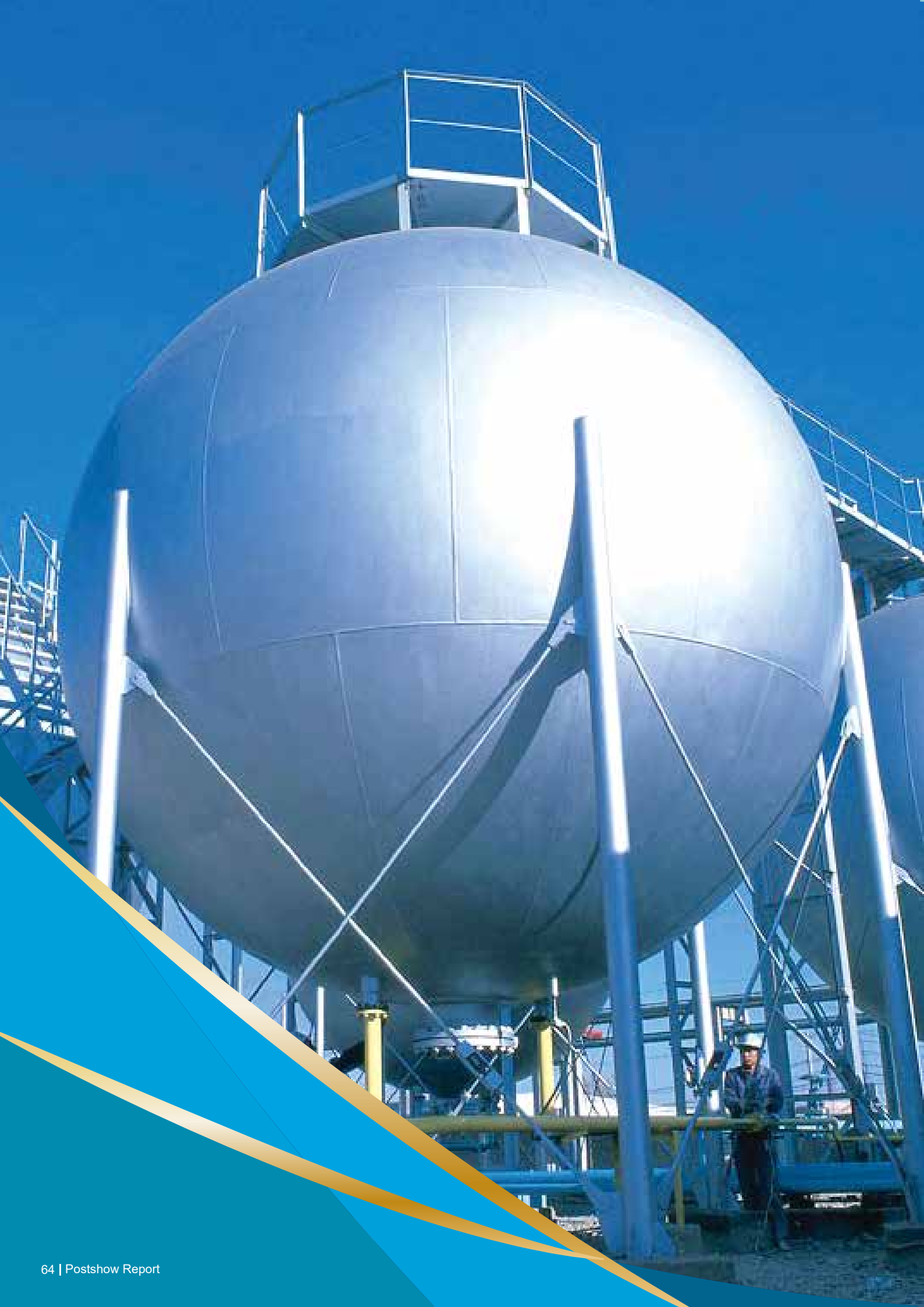
France Pavilion



South Korea Pavilion



Malaysia Pavilion





03 | PROFESSIONAL VISITORS

Global Footprints of cippe in Oil and Gas Hot Spots



Global Buyers Invitation Plan for 21 Years

In 2000, cippe organizing committee launched the Global Buyers Invitation Plan. Since then, cippe had the global footprints throughout the main oil producing regions of Middle East, Americas, North Sea, North Africa, Southeast Asia, etc. All-round promotion was implemented in United States, UK, Canada, Mexico, Brazil, Singapore, United Arab Emirates, Iran, Norway, Russia and other oil and gas hot spots.



Part of Buyer Delegations (Domestic)



China National Petroleum Corporation



China Petrochemical Corporation



China National Offshore Oil Corporation



Yanchang Petroleum (Group) Co., Ltd.



China State Shipbuilding Corporation Limited



China COSCO Shipping Corporation Limited



Sinochem Petroleum Exploration & Production Co., Ltd.



China Coal Technology & Engineering Group



Oil Research Institute of the General Logistics Department of PLA



China Aerospace Science & Industry Corp.



China National Chemical Corporation



China Oil & Gas Pipeline Network Corporation

Part of Buyer Delegations (International)



Saudi Aramco



Rosneft



Gazprom



National Iranian Oil Company



ADNOC



Petrobras



Sonatrach



Petronas



PDVSA



JSC NC KazMunayGas



Shell



ExxonMobil



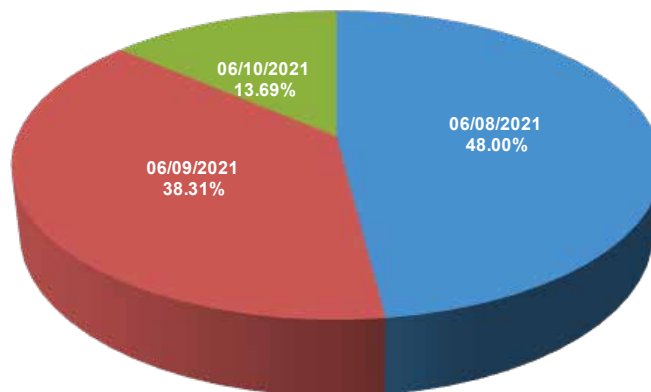
TotalEnergies

Visitor Data

cippe2021 attracted a total of 56,898 visitors, and 123,000 person-times were recorded in the access control system.

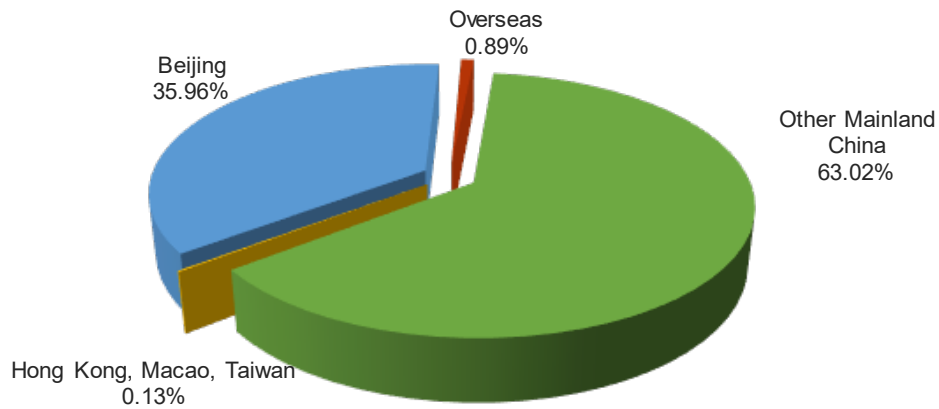
Date	Visit Times	Daily Visitors	Unique Visitors	Percentage of Unique Visitors
06/08/2021	58,693	32,656	32,656	100.00%
06/09/2021	45,336	26,066	18,966	72.76%
06/10/2021	18,971	9,318	5,276	56.62%
Total	123,000	68,040	56,898	83.62%

Breakdown of Daily Visitor Attendance

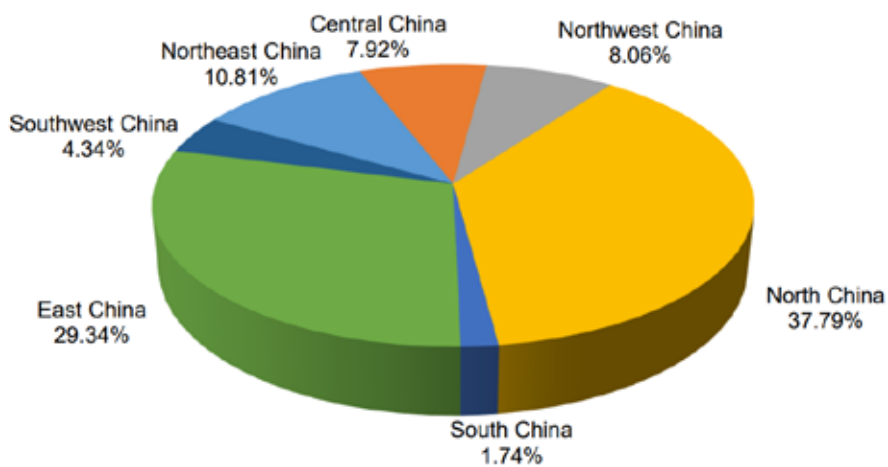


Geographical Breakdown of Visitors

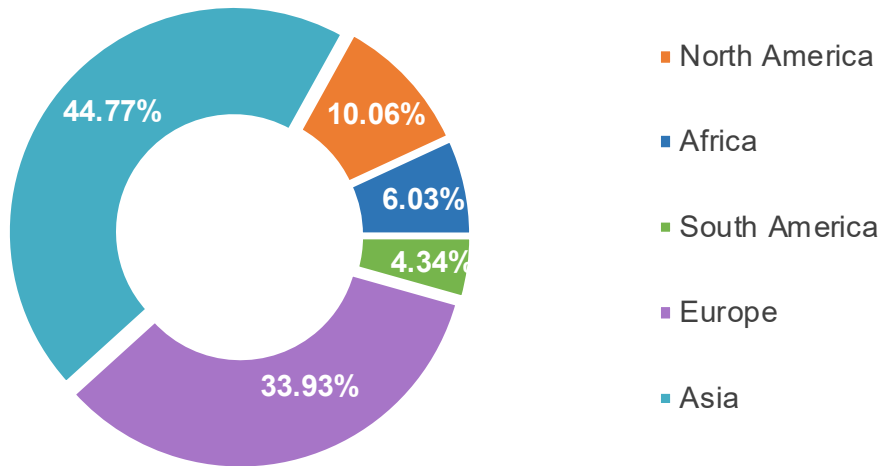
Origin of Overall Visitors



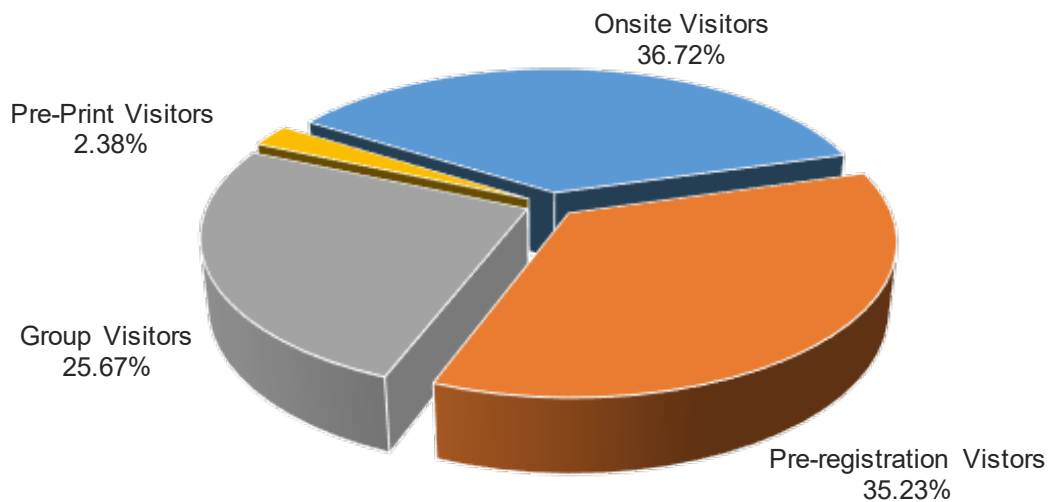
Origin of Other Mainland Visitors



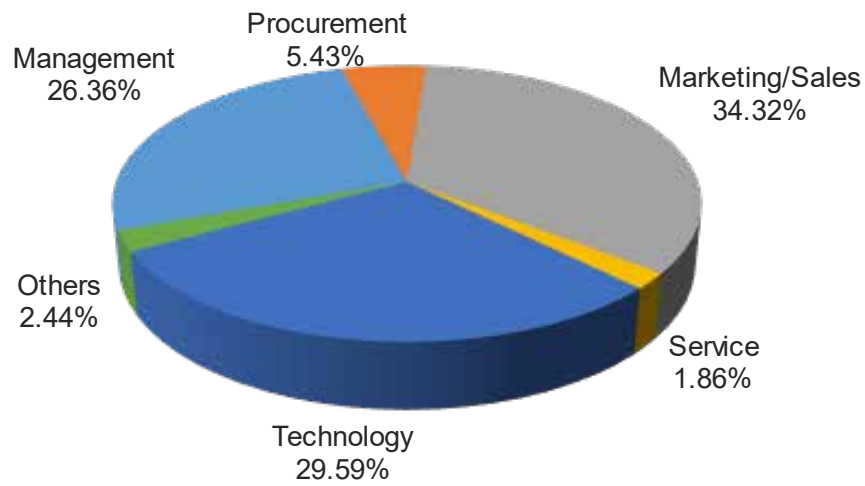
Origin of Overseas Visitors



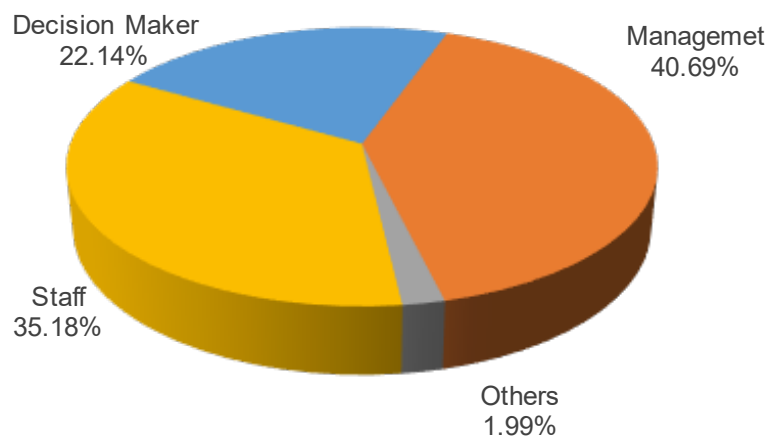
Registration Channels



Job Functions

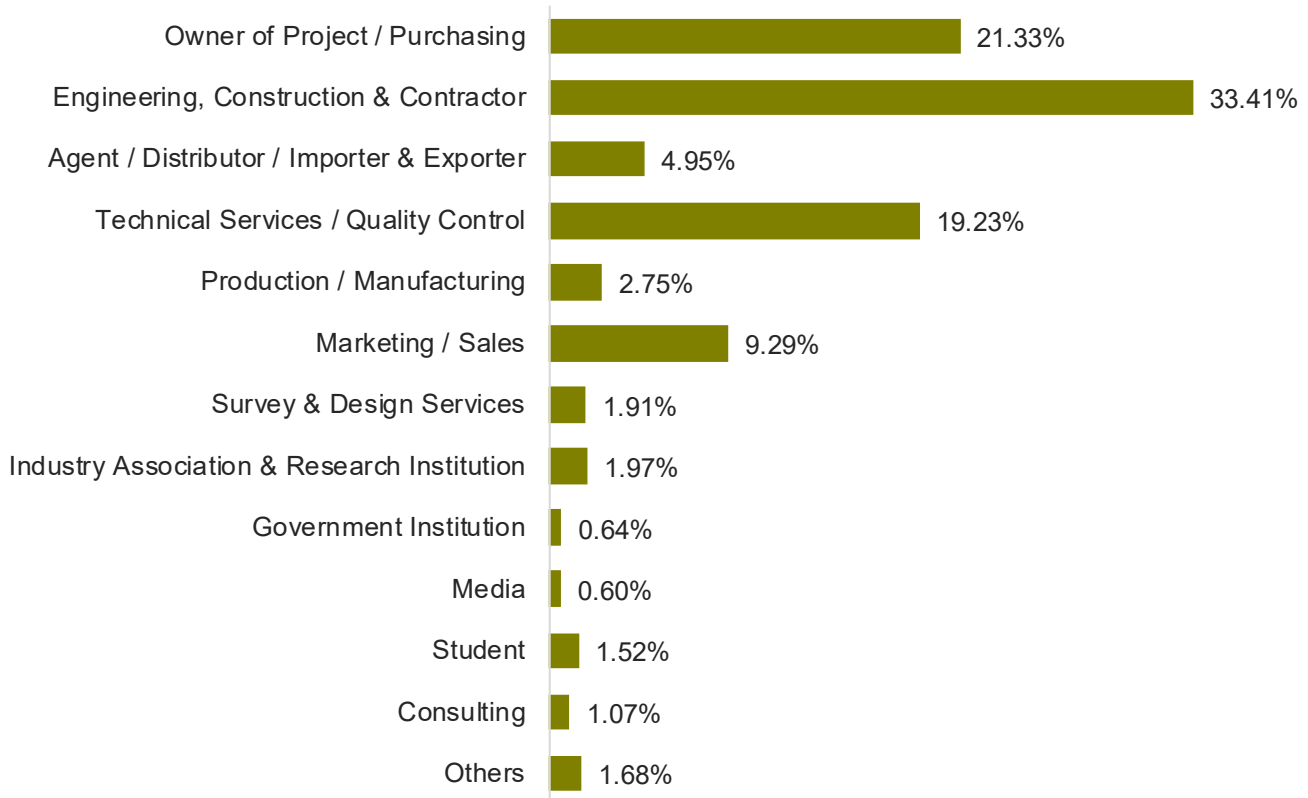


Visitor Seniority

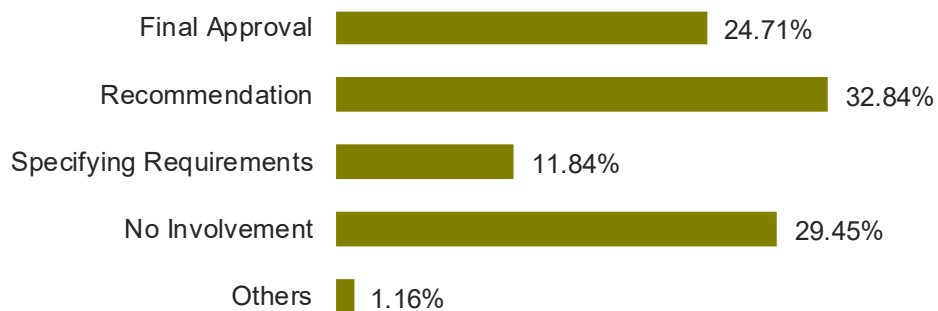


Visitor Survey Results

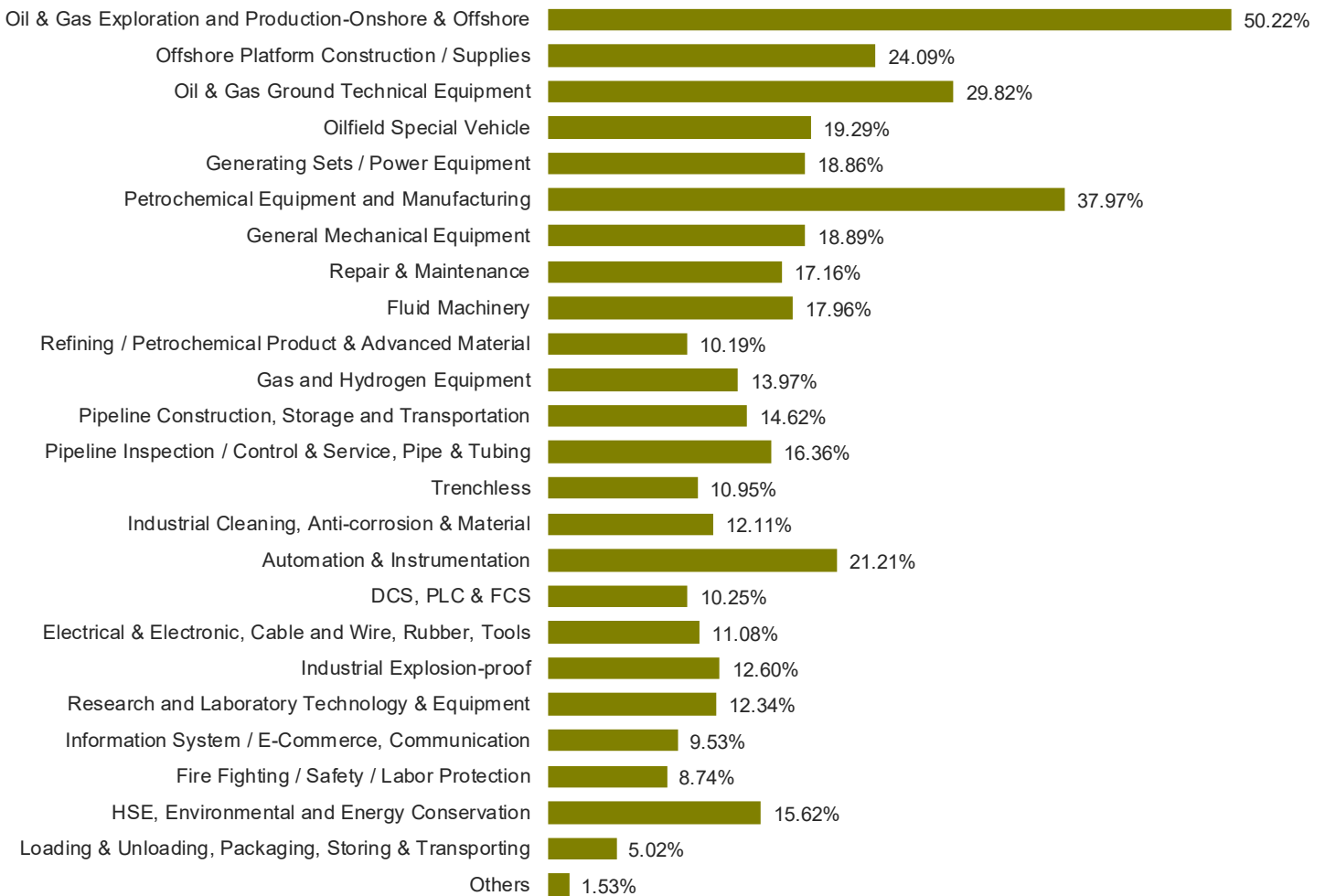
Business Nature



Level of Purchasing Authority



Areas of Interest



Visitor Survey Results

Purpose of Visit

**Note:**

13,008 visitors participated in the survey and 12,999 answered the above question.

The percentage is based on the number of visitors who answered this question and the total percentage is beyond 100% due to some visitors made multiple choices.

Professional Visitor Delegations (Partial)

CNPC

CNPC is an important state-owned enterprise and one of China's major oil and gas producers and suppliers. Every year, hundreds of visitor delegations, including oilfields, technology service companies, engineering construction companies, research institutes, equipment companies, etc., participated in cippe.

1.The Materials and Equipment Division of Dagang Oilfield organized hundreds of employees from dozens of units to visit cippe2021.

2.The Materials and Equipment Department (Procurement Management Department), Inspection and Operation & Maintenance Center of PetroChina North China Oilfield organized 32 employees to visit the exhibition.

3.The technology development department, international project management (procurement) center, domestic project management (procurement) center, and trade center of China Petroleum Pipeline Material and Equipment Company formed a 55-member team to visit the exhibition.

4.A delegation of about 130 peoples from technical support center, risk management division, Central Asia-Russia Branch, Asia-Pacific Branch, African Branch, US-EU Branch, Middle East Branch, Petrochemical Branch, Pipeline Branch, Pipeline Branch (Niger-Benin), Logistics Branch, and Marine Engineering Project Department of CPTDC visited the exhibition.

5.A total of 78 staffs from the procurement center of China Petroleum Engineering & Construction Corporation and procurement departments of its branches in Amur, West Africa and others visited cippe.

6.A 184-member group from the Strategic Planning Institute, Overseas Drilling Technology Research Institute, Unconventional Institute, Drilling Technology Institute, Drilling Machinery Research Institute, Jiangnan Machinery Research Institute, KEMBL, Downhole Control Engineering Institute, Information Center, Houston Branch, and Downhole Operation Research Institute of CNPC Engineering Technology R&D Company visited the exhibition.

7.A group of 47 employees from China Kunlun Contracting and Engineering Cooperation (CKCEC), including departments of science and information, machinery equipment design, environmental engineering design, building structure, operation management, material procurement, synthetic material business, process design, and overseas business visited cippe2021.



Safety Environment Quality Surveillance & Inspection Research Institute of CNPC
Chuanqing Drilling Engineering Company Limited



CNPC Dagang Oilfield

8.Thirty-two staffs from Bidding Divisions of China Petroleum Materials Corp visited cippe.

9.A delegation composed of 14 departments from China Petroleum Technical Service Corporation visited cippe2021, namely the general office, departments of equipment & materials, international division, QHSE, drilling, well intervention, planning, reservoir, marketing, comprehensive management office of international division, Science and IT, finance & assets, corporate management & legal, etc.

10.Material Management Department, General Coordination Department, Metallic Material Branch, Electromechanical Equipment Branch, Overseas Support Branch, Instrument and Meter Branch, Asset and Equipment Branch, and Oil Extraction Equipment Branch of Daqing Oilfield Materials Company and Oil Testing and Production Company visited the event.

11.More than 20 technical experts from Bohai Drilling Techniques Expert Association visited cippe2021 under the organization of CNPC Bohai Drilling Engineering Company Limited.

12.Under the guide of the director of Safety Environment Quality Surveillance & Inspection Research Institute of CNPC Chuanqing Drilling Engineering Company, six institute directors, two station heads, one department director, four office directors, and several subordinates of Equipment Inspection Institute, Drilling & Production Institute, Metrology Institute, Petrochemical Institute, Safety Supervision Station, Environment Supervision Center, etc., visited the exhibition.

Sinopec

Sinopec Group, Sinopec International Petroleum Exploration and Production Corporation (SIPC), Sinopec Oilfield Service Corporation (SSC), Sinopec Shengli Petroleum Engineering Co., Ltd., and the like visited cippe2021.

1. SIPC is a subsidiary of Sinopec in charge of international oil and gas investment and operation. More than 40 staffs from SIPC's Technical Service Center, Engineering Department, and SIPC Iraq visited cippe2021.

2. Drilling Technology Research Institute of Sinopec Shengli Petroleum Engineering Co., Ltd. organized 58 staffs mainly visited the stands of Sinopec, CNPC, international enterprises and new technologies.

3. SSC organized a delegation composed of Kuwait Branch, Directional Well Department, Wellbore Business Department, Equipment Department, and Drilling Department visited cippe2021, as well as SSC Materials & Equipment Department delegation.

4. Factories of high-frequency welded pipe, bend pipe, pipe coating, spiral steel pipe, straight steel pipe, Technical Center and Quality Inspection Center of Shashi Steel Pipe Works (a subsidiary of Sinopec Oilfield Equipment Corporation) visited cippe2021 and showed interest in the pipeline area.

5. Sinopec Petroleum Engineering Corporation has organized visits for consecutive years, mainly focusing on enterprises in natural gas and pipeline.



Shengli Oilfield Advanced Training College (Party School)



Shengli Oilfield Advanced Training College (Party School)

6. Sinopec Research Institute of Petroleum Engineering organized nearly 200 people from Well Cementing Institute, Well Logging Institute, Reservoir Transformation Institute, Tools and Materials R&D Center, Overseas Petroleum Engineering Technology Center, Experiment Center, Well Completion Institute, Information and Standardization Institute, and Well Drilling Institute to the exhibition.

7. Shengli Oilfield Advanced Training College (Party School) organized 80 skilled technicians to visit and exchange.

8. Technical Division of Sinopec Petroleum Engineering & Construction Corporation visited cippe2021.

9. Sinopec Group has consecutively visited cippe for more than a dozen years. It paid special attention to this year's session and the Material & Equipment Department organized more than 40 employees including senior leaders, experts, and engineers to attend the exhibition.

10. Sinopec Jiangnan Oilfield visited cippe2021, mainly paid attention to Sinopec pavilion and enterprises of natural gas and shale gas.

CNOOC Research Institute, CNOOC Gas & Power Group, CNOOC Energy Development Co., Ltd., China Oilfield Services Limited (COSL) and other related companies organized visitor delegations to cippe2021.

1. Clean Energy Branch, CNOOC Energy Development Co., Ltd. organized anti-corrosion center, technology center, and digital center to cippe2021.11.11COSL Tianjin Branch organized multiple operation companies and projects under construction such as Bohai West Project, Caofeidian Operation Company, Bohai South Operation Company to the exhibition.

2. CNOOC Research Institute has visited cippe for consecutive years. This year, the Scientific and Technological Management Department organized several leaders and senior engineers from Drilling and Production Research Institute, Engineering Research and Design Institute, and New Energy Research Center to cippe.

3. The Science and Technology Information Department, Digital Institute of Innovation Research Institute, Technology Center, and other departments of the Oil Production Service Branch, CNOOC Energy Development Co., Ltd. visited cippe2021.

4. A delegation of 180 members from COSL Tianjin Branch, Oilfield Production Research Institute, Engineering Technology Center, Oilfield Production and Increase Center, Oil Completion R&D Center, Oilfield Technology Tanggu Operation Company, Geophysical Exploration and Engineering Survey visited the event.

5. The Well Tech Business Division of COSL organized more than 230 employees such as company leaders, department heads, chief engineers, purchasers from the Well Tech Research Institute, General Management Department, Cable Manufacturing Workshop, and Interpretation Center to cippe2021.

6. More than 240 delegates including deputy general managers, chief engineers and senior engineer, project managers from Engineering Technology Branch, CNOOC Energy Development Co., Ltd. attended cippe, covering

planning department, drilling and production institute, machinery and oil production, digital technology project team, design and R&D center, electric control center, manufacturing center, chief office, etc.

7. CNOOC Gas & Power Group organized employees from the Production and Operation Department and Unconventional Institute of R&D Center to attend cippe2021.

8. Procurement and Sharing Center of CNOOC Energy Development Co., Ltd. organized purchasers and engineers of various categories from the general management department, drilling and procurement category department,

demand planning department, general service category department, and the technical support center of Shanxi branch to the event.

9. Procurement and Sharing Center of COSL organized strategic procurement department, marine procurement department, electrical instrument procurement department, chemical procurement department, and stimulation procurement department visited cippe2021.

10. Oilfield Chemicals Business Division of COSL organized more than 40 leaders and technical backbones to cippe2021.



CNOOC Tianjin Branch



Clean Energy Branch, CNOOC Energy Development Co., Ltd.

Others

As a popular vane of oil and gas industry, and an annual gathering, cippe welcomes visitors from all over the country to purchase products, contact suppliers, seek solutions and innovative technologies, collect market information, etc.

1. Anton Oil organized a delegation of 178 members consisting of various departments and specially invited professionals to participate in cippe2021.

2. Lanzhou Lanshi Group organized 48 staffs to visit cippe2021, mainly visited Baoji Oilfield Machinery Co., Ltd., Honghua, Sinopec, KERUI Petroleum & Gas, Sany, Jereh, etc.

3. A delegate group from the Institute of Geology and Geophysics, CAS visited cippe2021, focused on oil drilling and well logging equipment.

4. China Aviation Planning and Design Institute (Group) Co., Ltd. organized staffs from water supply and drainage department, oil supply design department, and electrical department to the event.

5. CNPC Jichai Power Company Limited organized more than 30 staffs to visit the cippe 2021 for the first time this year.

6. The 3rd Academy of CASIC organized 80 staff to visit the cippe 2021.

7. Shanghai Office of Zhongman Petroleum Equipment Group Co., Ltd. visited cippe2021

8. Sinochem Petroleum Exploration and Production Co., Ltd. is a wholly-owned subsidiary established by Sinochem Group, committed to carrying out E&P business at home and abroad. Staffs from the technology innovation department, brazil project company, project management department and so on, visited the exhibition and paid more attention to exhibitors in the international area.

9. The Project Center of Xindi Energy Engineering Technology Co., Ltd. organized more than 40 staffs from departments such as material management, technology, gas processing, chemical design institute, electric control, and HVAC to cippe2021, mainly focused on chemical product, gas, instrument and meter, etc.

10. Unit 92228, People's Liberation Army continued to visit cippe, focused on oil detection equipment, racks, etc.

11. No. 6916 Factory of the People's Liberation Army visited cippe in groups for the first time, mainly focused on explosion-proof electric accessories.

12. Synfuels China Engineering Co., Ltd. Organized departments of refining process, procurement, engineering to cippe2021, mainly focused on instruments and meters, petrochemical equipment, etc.

13. CASC Shentuo (Beijing) Technology Co., Ltd. organized more than 50 staff to cippe2021, focused on rotary steering products and technologies.

14. CSIC International Engineering Co., Ltd. organized 27 leaders and technical backbones to visit cippe2021.



International

International visitors from Aramco Asia, Rosneft, NIOC, etc., visited cippe, communicated with suppliers and potential partners, collected latest market information and innovative equipment and technology, enjoyed a wonderful time.

1. A delegation of 17 people from Trade Representation of the Russian Federation in China, Chamber of Commerce and Industry of the Russian Federation in Beijing, Rosneft China, Beijing Huanuo Exiang (REX) Trading Company, Росинэлектро, etc., visited cippe2021.

2. Delegates from departments of procurement, supply chain, supplier management, Sperry directional drilling, well completion of Halliburton China visited cippe2021, mainly focused on exploration and development equipment, oilfield ground equipment, oilfield special vehicles, machinery, pipeline, automation, instrumentation, industrial explosion-proof, etc

3. Departments of procurement, drilling, oilfield service, fracturing pumping and others of Baker Hughes China visited the exhibition, focusing on upstream and midstream exhibitors, including fields of exploration and development, offshore platform, oil and gas field equipment, power equipment, general machinery, pipeline inspection, etc.

4. Delegates from National Iranian Oil Company, Aramco Asia, KazMunayGas JSC, Subsea 7, Sibur, Linde, Wood, Larsen & Toubro, drilling & completion and E&P department of Shell China, procurement and supply chain department of Schlumberger China, Technip Energies China, Hyundai Engineering, Samsung Engineering, visited cippe2021.

5. Head of Beijing Representative Office and Business Representative of RN-Lubricants visited the exhibition, communicated with Weichai Power, Caterpillar, Guangxi Yuchai, etc.

6. Guests from Embassy of the Republic of Turkey, Embassy of the Islamic Republic of Iran, Embassy of Brazil, British Embassy, Canadian Embassy, Invest Alberta Corp., Embassy of Spain, Royal Norwegian Embassy, INTSOK, etc., visited cippe2021 and attended the opening ceremony.







04 | CONCURRENT EVENTS



cippe International Petroleum Industry Leadership Meeting

As the annual world's leading event for oil and gas industry, cippe has become a high-end platform for collision and integration of new ideas, technologies, and achievements in global oil and gas industry. More than 500 guests from home and abroad, including government leaders, industry elites, experts, diplomatic envoys, entrepreneur and others attended the leadership meeting.



Ma Peihua

Vice Chairman of the 12th
CPPCC National Committee



Li Yizhong

Former Minister of Industry
and Information Technology
President of China
Federation of Industrial
Economics



Wei Jianguo

Vice Chairman of China
Center for International
Economic Exchanges
Former Vice Minister of
Commerce



Zhang Laibin

Member of the Standing
Committee of CPPCC
National Committee
Former President of China
University of Petroleum
(Beijing)



Liu Hongbin

Member of the Leading Party
Member Group and Vice
President of Sinopec Group
President of CPEIA



Xu Dingming

Former Counselor of the
State Council and Deputy
Director of National Energy
Expert Advisory Committee



Zhao Gang

Managing Director
North Asia of Schlumberger
China



Zhou Maoping

Chairman
China Association of
Oceanic Engineering



The 13th International Petroleum & Natural Gas Summit

As a new wave of information technology, represented by IoT, big data, cloud computing, and artificial intelligence, is surging and the vigorous development of the new round of information technology revolution has accelerated the coming of the digital era all over the world, petroleum and natural gas enterprises are facing new business environment and competitive challenges.

Themed with Accelerating Digital Transformation to Embrace Quality Development, the summit welcomed more than 500 industry insiders at home and abroad under one roof with wonderful experiences.





Li Guoxin

Deputy General Manager
PetroChina Exploration and
Production Company



Shen Chen

General Manager
Engineering Construction
Department
PipeChina



Wu Haifeng

Global Vice President of Kongsberg
Digital
General Manager of Kongsberg
Digital China



Jin Jianzhou

Director of Cementing Research
Institute
CNPC Engineering Technology
R&D Company Limited



Gong Xiangyang

Chief Expert
Information and Digitalization
Management Department
Sinopec Group



Wang Tongliang

Senior Consultant of CNOOC
International Limited
Former General Manager of CNOOC
Information Technology Department



Xiao Lizhi

Dean of College of Artificial
Intelligence
China University of
Petroleum (Beijing)



Wang Lei

Lead Engineer - Geoservices
Manager of Reservoir Technical
Service
Baker Hughes



Liu Qifeng

ACG Industry Solution Director
Baidu



cippe2021 Universities Exchange Conference on Oil & Gas Research Achievements

The conference aimed to build a bridge for communication and matching between universities and enterprises, advance the technological innovation of oil and gas industry, the promotion and application of innovative achievements, and facilitate the exchange and integration of talent, technologies, and information among enterprises, universities, and research institutes.

Experts and professors from China University of Petroleum, China University of Geosciences (Beijing), Northeast Petroleum University, Xi'an Shiyou University, Southwest Petroleum University, Beijing Institute of Petrochemical Technology, Liaoning Shihua University, and Beijing University of Chemical Technology shared their latest research achievements, including Research Progress of Foam Flooding System Stabilized By Magnetite Nanoparticles, Research Progress of Drill Pipe Automatic Processing Device, Key Technologies and Equipment for Dehydration of Complex Oil (Aging Oil), Intelligent Multi-Well Oil Pumping System with Ultra-Low Energy Consumption and Mutual Balance, Key Technologies for Integrity Evaluation and Control of Oil Test & Well Completion in Complex Well, Research and Application of Production Technology of Plugging Removal for Low Permeability Tight Gas Wells, R&D and Application of Natural Gas Self-Heating Safe and Efficient Vortex Heater, Deep Tight Oil and Gas Reservoir Prediction and Fluid Rapid Detection Technology and Equipment, and Fluid Machinery Dynamic Design, Fault Traceability and Independent Health.



Liu Qi

Associate Professor
Unconventional Petroleum
Research Institute
China University of
Petroleum (Beijing)



Li Weiqing

Associate Professor
China University of
Geosciences (Beijing)



Liang Hongbao

Professor
Northeast Petroleum
University



Cao Yiping

Professor
Xi'an Shiyou University



Li Xiaogang

Professor
School of Oil & Natural
Gas Engineering
Southwest Petroleum
University



Wang Kai

Associate Professor
Oil & Gas Storage and
Transportation Department
Beijing Institute of
Petrochemical Technology



Li Cunlei

Director of Liaoning
Unconventional Oil
and Gas Development
Technology and Equipment
Engineering Research
Center
Liaoning Shihua University



Wang Weiming

Associate Dean
College of Mechanical and
Electrical Engineering
Beijing University of
Chemical Technology



cippe2021 Embassy (Oil & Gas) Promotion Conference

Hosted by Mr. James Wang, Overseas Business Manager of Arab Royal Gateway (Beijing) Company, guest speakers from British Embassy, Embassy of Brazil, Turkey Embassy, Petro Gulf Commercial Company and KazMunayGas JSC (China) delivered speeches on topics of The Energy Transition: UK-China Partnership Opportunities, Oil and Gas in Brazil: Recent Developments and Perspectives, Renewable Energy Policies and Business Opportunities of Turkey, Introducing of Petrochemical Situation In Iran and Investment Opportunities In Petrochemical Plants and Kazakhstan National Oil and Gas Company KazMunayGas: Maintaining the Leadership in the National Oil and Gas Industry.

Guests from Embassy of Iran, Embassy of Spain, National Iranian Oil Company had also attended the conference and communicated with on-site audiences.

The conference is committed to providing a platform to discuss the development trends of global oil, gas and energy industries, share latest investment and trade opportunities, deepen international cooperation, promote mutual benefit and common development.





David Giles

Head of Energy Transition and Integration, Department for International Trade (DIT), British Embassy



Leandro Silva

Head of Investments Section, Embassy of Brazil



Hakan Kizartici

Chief Commercial Counsellor, Embassy of the Republic of Turkey



Kambiz Foroughmehr

Managing Director, Petro Gulf Commercial Company



Saken Muratuly

Representative in China, KazMunayGas JSC

Guest Speakers

Moments



cippe2021 Business Matchmaking Meeting

The event is aims to promote information sharing, technical exchange and business cooperation between exhibitors and buyers.

In the China's Energy Giants Supply-Demand Session, guest speakers from Bidding Division I of China Petroleum Materials Company Limited, Procurement Department of Sinopec Engineering (Group) Co., Ltd., Procurement Department of China Petroleum Engineering & Construction Corporation, Material and Equipment Department of Sinopec Oilfield Service Corporation and China Petroleum Petrofac Engineering Co., Ltd. delivered wonderful speeches in topics of Promote High-Quality Development with Smart Bidding, Carry Out Strategic Cooperation and Achieve Valuable Procurement, Build An Efficient Platform to Achieve Win-Win Procurement, Exploration and Practice of Sharing Management Model of Material Procurement.

And the delegation from Aramco Asia Strategic Procurement & Logistic Department attended the meeting, and conducted one-on-one meetings with suppliers in areas mainly involved in petroleum machinery and equipment, instrumentation, pipeline technology, etc.







2021 International Natural Gas and City Gas Summit

China already ranks among the top three in natural gas import and consumption in the world and will maintain strong market demand in the future. As China has proposed the requirement of achieving peak carbon dioxide emissions and carbon neutrality for various industries, natural gas will play a larger role. Speakers of the summit indicated the future development directions of natural gas and urban gas of China from policy, market, and technical application.



Liu Manping

Researcher of Price Monitoring Center
National Development and Reform Commission



Ding Shengjun

Expert of Cryosys Energy Technology Corp.
Technical Institute of Physics and Chemistry, CAS



Tang Yanchuan

Director of Strategy and Policy Division
CNPC Policy Research Office



Yuan Jiangru

Distinguished Expert
China Gas Association



2021 Offshore Wind Power Industry Development Forum

Co-sponsored by China Association of the National Shipbuilding Industry (CANSI) and China Classification Society, the forum gathered industry experts, scholars, and entrepreneurs from CANSI, CSSC Haizhuang Wind Power, COSCO Shipping Heavy Industry, Goldwind, CCS, ICBC Leasing, CCCC Marine Construction & Development, Maersk, Clarksons, etc. to discuss topics around "seize new opportunities of offshore wind power in China, create a new driver for the development of marine engineering equipment industry". Guests analyzed the industry prospects and new opportunities, thus promoting the supply-side structural reform of China's offshore engineering equipment, accelerating the innovation, transformation and upgrading, fostering new economic growth points, and achieving high-quality development.





CIPE 6th International Oil & Gas Pipeline Summit

With the theme of "Share Smart Pipeline Construction and Facilitate National Pipeline Network Development", CIPE 6th International Oil & Gas Pipeline Summit was held concurrently. Guests including Zhuang Gang, senior consultant of Steel Pipe Branch of China Steel Construction Society, Luo Yichuan, senior analyst and team leader of energy metals Asia of Rystad Energy, Gao Yuan, manager of Foreign Trade Department of Marketing Center of Baotou Iron & Steel (Group) Co., Ltd., Liu Jiangcheng, senior engineer of Technology Center of Tianjin Pipe Corporation, Sun Xiang, marketing director of Anbang Electric Co., Ltd. delivered speeches on industry development trends and innovative technologies.



Zhuang Gang

Steel Pipe Branch of China Steel
Construction Society
Professor Level Senior Engineer



Luo Yichuan

Team Leader of Energy Metals Asia
Rystad Energy



Gao Yuan

Foreign Trade Manager
Marketing Center
Baotou Iron & Steel (Group) Co., Ltd.



Liu Jiangcheng

Senior Engineer of Technology Center
Tianjin Pipe Corporation



Sun Xiang

Marketing Director
Anbang Electric Co., Ltd.



cippe2021 Enterprise New Product and New Technology Promotion Conference

As a key event launched by cippe2021, it aimed to build a platform combine product promotion and technical exchange for enterprises. Six enterprises, including Jiangsu CDSR Technology Co., Ltd., Hunan NovaSky Electronic Technology Co., Ltd., Songshan Lake Materials Laboratory, Myway Motor Drive Technology (Shaoxing) Co., Ltd., Nord-Lock Group, and Qingdao CCS Electric Corporation, gave their presentations, and attracted many on-site visitors to communicate and inquiry.



Jiang Shijie

General Manager
Myway Motor Drive
Technology (Shaoxing)
Co., Ltd.



Li Xuchun

Deputy General
Manager
Myway Motor
Drive Technology
(Shaoxing) Co., Ltd.
Former Professor at
Tsinghua University



Li Xiufeng

Deputy Technical
Design Manager
Design Institute
Offshore Oil
Engineering Co.,
Ltd.



Li Guizhong

Manager of Oil
Production Services
Co. (Tianjin)
CNOOC Energy
Technology &
Services



Wu Ping

Technical Manager
Crude Oil
Transmission Hose
Business Division
Jiangsu CDSR
Technology Co., Ltd.



Guo Xueguang

Senior Engineer
Songshan
Lake Materials
Laboratory



Yao Minjiang

Product Director
Hunan NovaSky
Electronic
Technology Co.,
Ltd.



Yang Xinpeng

Technical Director
Nord-Lock
(Shanghai) Co.,
Ltd.



Sun Xianzhou

Deputy Chief Engineer
Pre-sales Technical
Engineer
Qingdao CCS Electric
Corporation





05 | cippe GOLD
AWARD OF
INNOVATIVE
EXHIBIT

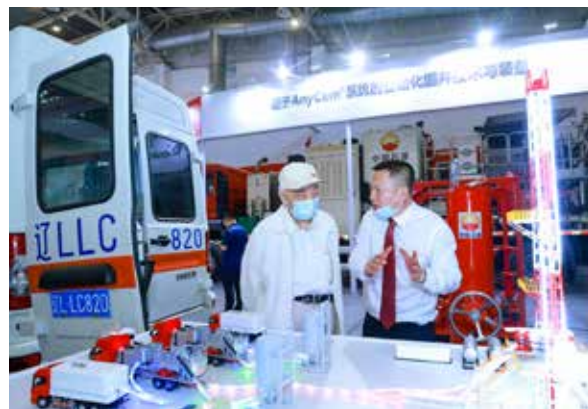


Zhang Laibin (second from right), Member of the Standing Committee of CPPCC and Former President of China University of Petroleum (Beijing) presented the award to Liu Guanghua (second from left), Associate Dean of CNPC Engineering Technology R&D Company Limited

cippe Gold Award of Innovative Exhibit Goes to AnyCem[®] Software Platform and Automatic Cementing Technology & Equipment



Fu Chengde, Director of CNPC Advisory Center, Zhang Xueshan, Chairman of cippe Organizing Committee, Presented the Certificate



Jin Jianzhou, Director of CNPC Engineering Technology R&D Company Limited introduced the product to Academician Zhai Guangming

This year, the "AnyCem[®] Software Platform and Automatic Cementing Technology & Equipment" led by CNPC Engineering Technology R&D Company Limited won the cippe Gold Award of Innovative Exhibit.

"AnyCem[®] Software Platform and Automatic Cementing Technology & Equipment" was jointly completed by CNPC Engineering Technology R&D Company, Great Wall Drilling Engineering Co., Ltd., Chuanqing Drilling Engineering Co., Ltd., and Bohai Drilling Engineering Co., Ltd., and was managed by PetroChina in February 2021. CNPC internally recognizes it as a leading international innovation.

"AnyCem[®] Software Platform and Automatic Cementing Technology & Equipment" focuses on the technical and equipment shortcomings of cementing software and precise continuous construction operations to improve the scientific level of cementing engineering design, the automation capability of cementing equipment, and precise construction operations.

It also focuses on promoting the overall upgrading of cementing technology, to create a high-end CNPC cementing technology brand and achieve breakthroughs in three aspects:

- To innovate and establish the four major operation units of cementing engineering, such as safe casing running and balanced pressure construction, as well as model invented flushing displacement simulations, completeness analysis experimental device and evaluation method;

- To innovate and develop automatic monitoring cementing truck, automatic stable ash supply system and other automatic cementing core equipment, and established automatic cementing operation control method;

- Independent research and development of the AnyCem[®] cementing platform system, combined with key automated cementing equipment and the world's first automated cementing operation.

This technology has accumulatively authorized 36 patents, and registered eight software copyrights and one trademark. It has also formulated four standard specifications and published 27 papers.

The core achievement "Automated Cementing Technology and Equipment to Improve Cementing Quality and Operation Efficiency" won the "Top Ten Scientific and Technological Progress of PetroChina in 2020".

Over the past three years, it has been applied in 32 base units at nine oil and gas fields including Changqing, Southwest, Liaohe, and Tarim, Great Wall Drilling, Chuanqing Drilling, Bohai Drilling, and Western Drilling. More than 8,000 well-times have been applied on a scale to support complex deep wells, natural gas wells, horizontal wells and other cementing quality rate increased by more than 10%, to help efficient exploration and development.

Also five automated cementing demonstration teams were formed, reducing on-site labor intensity by 50%, and improving operational efficiency by more than 30%, leading to a high-level automation of cementing business, including quality transformation and development, with prospects for a broad application.



Photo of Expert Committee and Winners



06 | MEDIA

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The background features a solid teal blue color. In the upper right quadrant, there are several overlapping, angular shapes in a lighter blue and a metallic gold color, creating a dynamic, abstract composition.

07 | EXHIBITIONS PREVIEW



The 22nd China International Petroleum & Petrochemical Technology and Equipment Exhibition

March 21-23, 2022

New China International Exhibition Center, Beijing, China

The Annual World's Leading Event For Oil & Gas Industry



65

Countries and Regions



1,800

Exhibitors



46

Fortune Global 500



18

International Pavilions



100,000

Exhibition Space



123,000

Professional Visitors

Beijing Zhenwei Exhibition Co., Ltd.

Tel: +86 10 56176968/56176958

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 **Beijing 2022**

The 12th International Offshore Engineering Technology & Equipment Exhibition

March 21-23, 2022

New China International Exhibition Center, Beijing

www.chinamaritime.com.cn

The Annual Leading Offshore Event in Asia

1,800 Exhibitors/ 123,000 Professional Visitors / 100,000 m² Exhibit Space

**Special Exhibiting Area for Offshore Engineering
Support Vessels and Public Service Ship**



Concurrent Exhibitions

China International Ports & Harbors Exhibition

China International Shipping Service Exhibition

Beijing Zhenwei Exhibition Co., Ltd.

Add: Zhenwei Exhibition Building, Building III13, International Enterprise Avenue, Yard 1, Jinghai 5th Road, Tongzhou District, Beijing

Tel: +86-10-5617 6945 Fax: +86-10-5617 6998

E-mail: cm@zhenweexpo.com





The 22nd Beijing International Offshore Oil & Gas Exhibition

March 21–23, 2022

Beijing · New China International Exhibition Center
www.cippe.com.cn

The Annual World Offshore Oil & Gas Event

1,800 Exhibitors from 65 Countries and Regions

46 Exhibitors from Fortune Global 500

18 National Pavilions

100,000 m² Exhibition Space

123,000 Professional Visitors



ZHENWEI EXHIBITION GROUP

Beijing Zhenwei Exhibition Co., Ltd.

Add: Zhenwei Exhibition Building, Building III13,
International Enterprise Avenue, Yard 1,

Jinghai 5th Road, Tongzhou District, Beijing

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E-mail: cippe@zhenweiexpo.com



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The 12th Beijing International Natural Gas Technology & Equipment Exhibition

The Annual International Natural Gas Event



March 21-23, 2022

New China International Exhibition Center, Beijing
www.cingexpo.com.cn



1,800
Exhibitors



123,000
Professional Visitors



100,000
m² Exhibition Spaces



65
Countries and Regions

Concurrent Events: Natural Gas Summit |
Embassy Oil & Gas Promotion Conference | Business Matchmaking Meeting

Beijing Zhenwei Exhibition Co., Ltd.

Add: Zhenwei Exhibition Building, Building III13, International Enterprise Avenue, Yard 1, Jinghai 5th Road, Tongzhou District, Beijing
Tel: +86-10-5081 5753 Fax: +86-10-5617 6998



www.gasexpo.cn



2022 BEIJING INTERNATIONAL GAS APPLICATIONS AND TECHNICAL EQUIPMENT EXHIBITION



March 21-23, 2022

New China International Exhibition Center, Beijing



1,800
Exhibitors



123,000
Professional Visitors



100,000
m² Exhibition Spaces



65
Countries and Regions



Beijing Zhenwei Exhibition Co., Ltd.

Contact: 010-5091 7079





The 22nd China International Exhibition on Equipment of Pipeline and Oil & Gas Storage and Transportation

March 21-23, 2022

New China International Exhibition Center, Beijing
www.cipe.com.cn



The Annual World Oil & Gas Pipeline Event



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Beijing Zhenwei Exhibition Co., Ltd.

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Avenue, Yard 1, Jinghai 5th Road, Tongzhou District, Beijing

Tel: +86-10-56176938 Fax: +86-10-56176998

E-mail: cipe@zhenweiexpo.com



Beijing International Petroleum and Petrochemical Safety Production Exhibition

March 21-23, 2022

New China International Exhibition Center, Beijing
www.cipse.org.cn



Beijing Zhenwei Exhibition Co., Ltd.

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2022 BEIJING INTERNATIONAL HYDROGEN TECHNOLOGY & EQUIPMENT EXHIBITION



March 21-23, 2022

New China International Exhibition Center, Beijing



1,800

Exhibitors



123,000

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2022 Beijing International Underground Engineering Construction and Trenchless Technology and Equipment Exhibition



March 21-23, 2022

New China International Exhibition Center, Beijing

1,800 Exhibitors from 65 Countries and Regions

46 Exhibitors from Fortune Global 500

18 National Pavilions

100,000 m² Exhibition Space

123,000 Professional Visitors



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The 14th Shanghai International Petrochemical Technology and Equipment Exhibition

August 24–26, 2022

Shanghai New International Expo Center, China

sh.cippe.com.cn/en/



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The Annual Petrochemical Equipment Event



52

Countries and Regions



1,000

Exhibitors



70,000

Exhibit Space



100,000

Professional Visitors



Website



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