



展后报告

Post-Exhibition Report

2024年中国氢能产业大会
2024 CHINA HYDROGEN INDUSTRY CONFERENCE

第八届中国（佛山）国际氢能
与燃料电池技术及产品展览会

THE 8TH INTERNATIONAL HYDROGEN ENERGY
& FUEL CELL TECHNOLOGY AND PRODUCT EXPO FOSHAN·CHINA

2024.10.18-20 | 中国·佛山·南海 | NANHAI · FOSHAN · CHINA

The 8th International Hydrogen Energy & Fuel Cell Technology and Product Expo Foshan·China

General Information

Organizers:

FoShan Hycomb Exhibition Co., Ltd. (Now: Foshan HyComb Information Consulting Co.,Ltd.)

South China Green Car Industrial Promotion Center

Guangdong Sino Rock Tyco Conetruction Co.,Ltd.

Co-Organizers:

South China Hydrogen Energy Industry Technology Innovation Strategic Alliance

Guangdong Horizon New Energy Technologies Co.,Ltd.

Hunan Rossum Hydrogen Energy Technology Co.,Ltd.

Guangdong Cawolo Hydrogen Technology Co.,Ltd.

Zhongxin Hydrogen Energy Technology Development Co.,Ltd.

Anhui Rigor New Energy Technology Co.,Ltd

Foshan Feichi Motor Technology Co.,LTD

Supporters:

People's Government of Nanhan District, Foshan

Thanks to the following partners for their support of CHFE2024

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Guangdong Cawolo Hydrogen Technology Co.,Ltd.



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The 8th International Hydrogen Energy & Fuel Cell Technology and Product Expo Foshan·China

Date: October 18-20, 2024

Venue: Qiaoshan Cultural Centre, Nanhai District,
Foshan City,Guangdong Province

Exhibition Area: Nearly 21,000m²

Number of Exhibiting Enterprises : 367

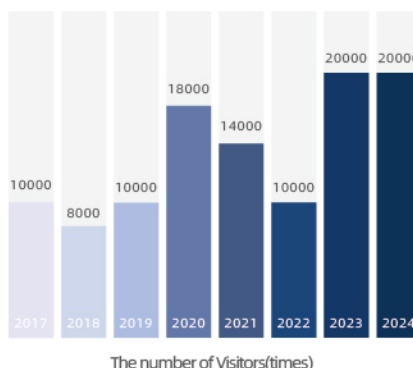
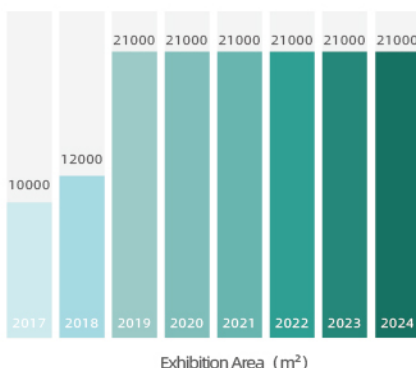
Comparison of Data from Previous Sessions

Compared with the data of previous years, the number of exhibiting enterprises at CHFE2024 has grown significantly. This year's exhibitors have reached 367, compared with last year, the number of exhibiting enterprises increased by about 13%, the number of exhibiting enterprises reached an all-time high.

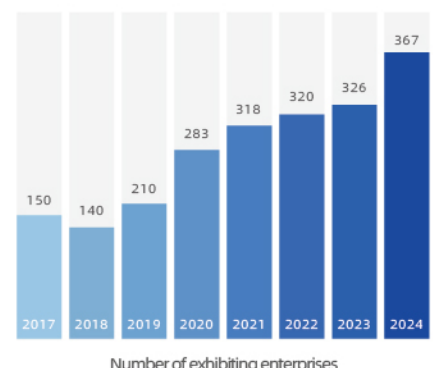
The exhibiting enterprises basically covered the whole industrial chain of hydrogen energy and fuel cells. Among them, the exhibiting enterprises came from 17 countries and regions around the world, including more than 80 foreign enterprises such as Ballard, Faurecia, Tanaka Precious Metals, Horiba, Wolong Enapter, and domestic enterprises such as Guangdong Horizon, Rossum Hydrogen, Cawolo Hydrogen, Rigor New Energy, Tianhai Industry, CIMC Hydrogen, SPIC Hydrogen Energy Tech, etc. With an exhibition area of 21,000+ square meters, this is the largest hydrogen energy exhibition in China in terms of exhibition area and enterprise scale. According to the backstage data statistics, the number of visitors in CHFE2024 was nearly 20,000 times, and the industry attention was high.

Years	2024	2023	2022	2021	2020	2019	2018	2017
Number of exhibiting enterprises	367	326	320	318	283	210	140	150
Exhibition area	21000m ²	21000m ²	21000m ²	21000m ²	21000m ²	21000m ²	12000m ²	10000m ²
Exhibition area categorization	4 major exhibition areas categorized by industry chain: Brand Exhibition Pavilion, Fuel Cell Pavilion 1 & 2, Equipment Pavilion 1 & 2, Outdoor Pavilion	4 major exhibition areas categorized by industry chain: Brand Exhibition Pavilion, Fuel Cell Pavilion 1 & 2, Equipment Pavilion 1 & 2, Outdoor Pavilion	4 major exhibition areas categorized by industry chain: Nanhai+ International Pavilion, Fuel Cell Pavilion 1 & 2, Equipment Pavilion 1, 2 & 3, Outdoor Pavilion	4 major exhibition areas categorized by industry chain: Nanhai+ International Pavilion, Fuel Cell Pavilion 1 & 2, Equipment Pavilion 1 & 2, Outdoor Pavilion	5 major exhibition areas categorized by industry chain: Nanhai + International Pavilion, Fuel Cell Pavilion 1 & 2, Equipment Pavilion 1 & 2, Outdoor Equipment Zone, Outdoor Exhibition Vehicle Zone	4 major exhibition areas categorized by industry chain: Nanhai+ International Pavilion, Fuel Cell Pavilion 1 & 2, Equipment Pavilion 1 & 2, Outdoor Pavilion	4 major exhibits: Theme Pavilion, International Pavilion, Domestic Pavilion, Outdoor Zone	Indoor Exhibition Area, Outdoor Exhibition Area
Key exhibiting enterprises	Guangdong Horizon, Rossum Hydrogen, Cawolo Hydrogen, Zhongxin Hydrogen, Rigor New Energy, Feichi Motor, Tianhai Industry, CIMC Hydrogen, SPIC Hydrogen Energy Tech, Xianhu Laboratory, Ballard, Faurecia, Wolong Enapter, etc.	Guangdong Horizon, Cawolo Hydrogen, Hydrosys, Sinoma Science &Technology, Xianhu Laboratory, SPIC Hydrogen Energy Tech, Cummins, Faurecia, Horiba, etc.	Guangdong Horizon, SPIC Hydrogen Energy Tech, Pearl hydrogen, Ally Hydrogen, Refire, Sinoma Science &Technology, Innoreagen, Fbxt, Guofu Hydrogen, Kewell, Faurecia, Air Liquide Huppe, Horiba, etc.	Xianhu Laboratory, Refire, Horizon,Cummins, Hydrosys,Sino-Hykey, National Energy Group, LONGi, Hydrogen Energy, Dongyue Future, Linde, etc.	CEMT, Refire, Xianhu Laboratory, Doosan Innovation, Nippon Chemi-Con, Air Liquide , etc.	Toray Corporation, PDC Machinery, Linde, Horiba, Ryuno, Tanaka Precious Metals, Siemens	Ballard, Air products American Air Products, Toray Corporation, Japan, Johnson Matthey, Yokohama City Hall	Such as Magswitch, Puxu, Greenlight, PDC and so on.
International exhibiting enterprises	From 16 countries and regions, including Canada, Germany, Japan, Korea, the United States, France, the United Kingdom, the Netherlands, Sweden, Switzerland, etc.	From 11 countries and regions, including Canada, Japan, Korea, the United Kingdom, France, Italy, Germany, the United States, etc.	Japan, France, Singapore, Germany, the United States, the Netherlands, Belgium, Italy and 14 other countries and regions	From 15 countries and regions, including Japan, Germany, Canada, France, Singapore, the Netherlands, Switzerland, etc.	From 13 countries, including the United States, Germany, Korea, Belgium, Japan, the Netherlands, Switzerland, the United Kingdom, Singapore, etc.	From more than 20 countries and regions, including Japan, Germany, Korea, the United States, Sweden, etc.	Specialized international pavilion from 20 countries and regions	From 15 countries and territories
Visitors quantities	Nearly 20,000 visitors	More than 20,000 visitors	Over 10,000 visitors	Total number of visitors reached 14,000	Nearly 20,000 visitors	The total number of visitors exceeded 10,000	Over 13,000 total visitors	The total number of visitors is about 10,000

Scale of previous exhibitions (2017-2024)



Number of exhibiting enterprises in previous exhibitions (2017-2024)



Exhibitor Satisfaction Analysis

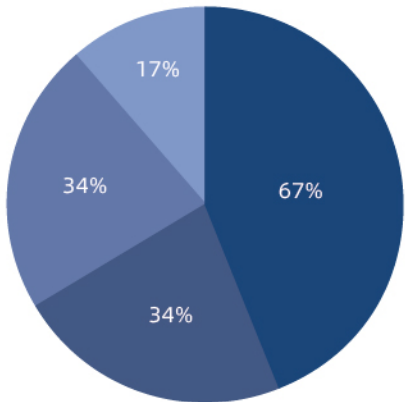
In order to better understand the needs of exhibitors and improve the quality of service, a survey on exhibitors' satisfaction was conducted after the conference. Generally speaking, exhibitors' overall satisfaction with CHFE2024 was high.

Dissatisfaction



Satisfaction

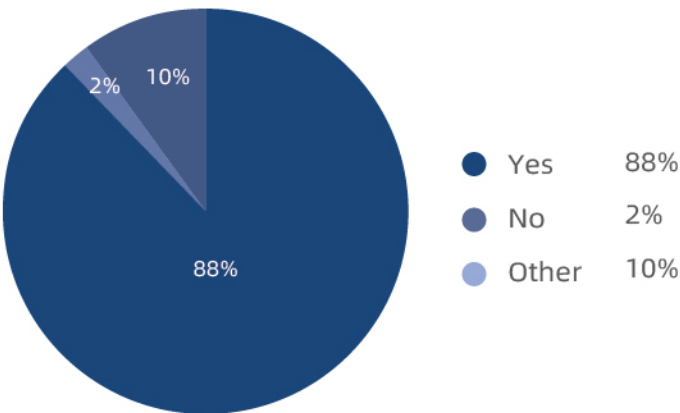
Reference basis for participation in the exhibition (multiple choice)



- Brand Influence 67%
- Grades and sizes 34%
- Level of specialization 34%
- Organizer's reputation in the industry 17%

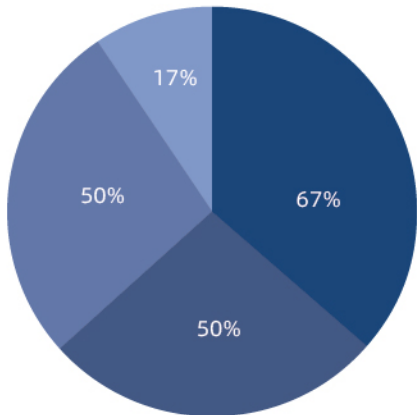
According to the survey results, "Brand Influence" has become the reference basis for more exhibitors to choose to participate in CHFE2024.

Whether to continue to participate in this exhibition



Survey results show that **88% of exhibitors are willing to continue to participate in The International Hydrogen Energy & Fuel Cell Technology and Product Expo Foshan-China (CHFE)**. In the future, CHFE will strive to become a brand exhibition with higher quality, larger scale, stronger professionalism and more influence in the industry, and offer a wonderful annual feast for the hydrogen energy and fuel cell industry.

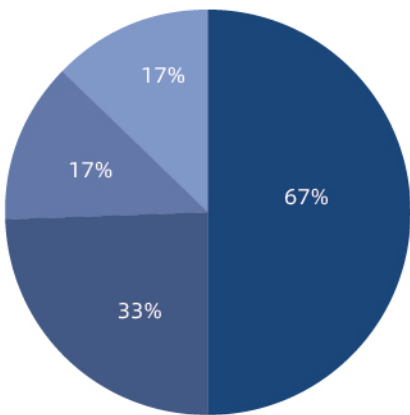
Interested Hydrogen Theater sharing topics (multiple choice)



- Hydrogen Equipment Technology and Materials Session 67%
- Hydrogen Special Session on Production, Storage, Transportation and Processing 50%
- Hydrogen Cost Reduction, Efficiency and Diversified Applications Session 50%
- Suggestion to add special sessions on other topics 17%

According to the results of the survey, the "Hydrogen Equipment Technology and Materials Session" is the theme of the Hydrogen Listening Theater that more exhibitors are interested in sharing.

Interested HySpace Innovation Forum sharing topics(multiple choice)

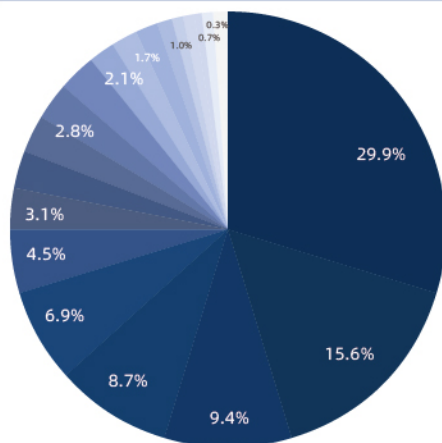


- AEM Innovative Technologies for Hydrogen Production, Combustion Power and Applications Specialty 67%
- Hydrogen Production and Storage Technology and Application Specialized Sessions 33%
- Canadian International Exchange on Hydrogen Energy Technologies and Policies 17%
- Suggested increase in special sessions on other topics 17%

According to the survey results, "AEM Hydrogen Production, Combustion and Application Innovative Technology Session" is the topic of Hydrogen Listening Theater that more exhibitors are interested in sharing.

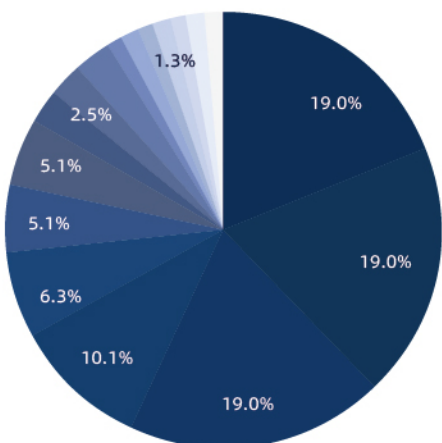
Exhibiting Enterprises Analysis

Regional distribution of enterprises (domestic)



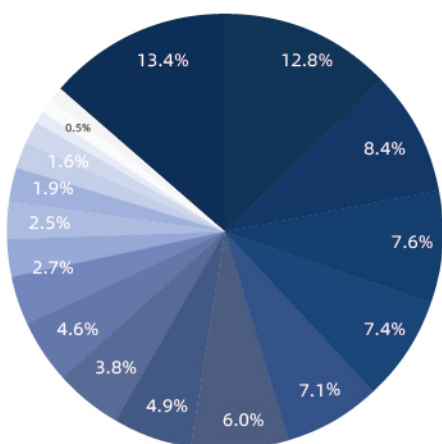
Guangdong	29.9%	Anhui	2.8%	Hebei	0.7%
Jiangsu	15.6%	Henan	2.8%	Fujian	0.7%
Zhejiang	9.4%	Shaanxi	2.8%	Jiangxi	0.7%
Shanghai	8.7%	Hubei	2.1%	Guangxi	0.3%
Beijing	6.9%	Tianjin	1.7%	Heilongjiang	0.3%
Shandong	4.5%	Hunan	1.7%	Inner Mongolia	0.3%
Sichuan	3.1%	Chongqing	1.0%		
Liaoning	2.8%	Taiwan, China	1.0%		

Regional distribution of enterprises (international)



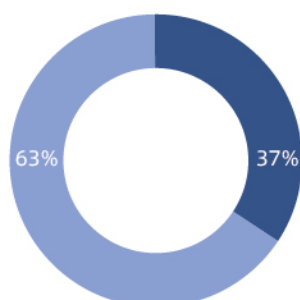
Germany	19.0%	United Kingdom	5.1%	Saudi Arabia	1.3%
Japan	19.0%	Sweden	2.5%	Singapore	1.3%
Canada	19.0%	Netherlands	2.5%	Belgium	1.3%
United States	10.1%	Switzerland	2.5%	Macedonia	1.3%
Korea	6.3%	Italy	1.3%	Netherlands/Germany	1.3%
France	5.1%	Australia	1.3%		

The industry chain to which the enterprise belongs



Pipeline valves	12.8%	Storage and transportation equipment	2.7%
Hydrogen production equipment	9.3%	Fuel cell stacks	2.7%
Instrumentation	8.4%	Catalyst	2.5%
Hydrogen fueling station equipment	7.6%	Proton Exchange Membrane	1.9%
Fuel cell systems	7.4%	Vehicle-mounted hydrogen supply system	1.6%
Bipolar plates	7.1%	Membrane electrodes	1.6%
Manufacturing Equipment and Complete Line Integration	6.0%	Hydrogen Applied Products	0.5%
Test equipment	4.9%	Humidifier	0.5%
Auxiliary materials	4.6%	Hydrogen Applied Products	0.5%
Diffusion layer	3.8%	Other	13.4%

Continuous enterprises



New exhibitors in 2024	37%
Past enterprises	63%

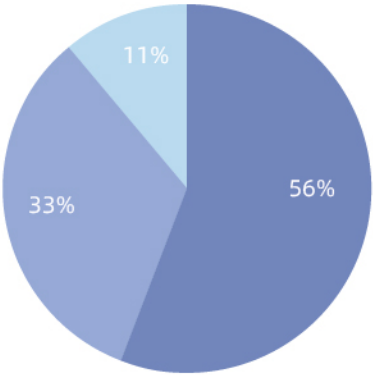
Visitors Analysis

The total number of visitors to the exhibition was nearly 20,000, with domestic visitors accounting for the largest proportion;

In terms of gate traffic, the first day had the largest crowds.

Overall access control traffic (percentage)

- Day 1 56%
- Day 2 33%
- Day 3 11%



Audience's current industry (single choice) (percentage)

Options	percentage
Manufacturing equipment suppliers (test equipment, line integration, etc.)	18.81%
Suppliers of core components and raw materials (bipolar plates, membrane electrodes, catalysts, air compressors, etc.)	14.77%
Suppliers of hydrogen and storage and transportation equipment (gases, hydrogen refueling stations, cylinders, etc.)	14.01%
Fuel Cell Reactor and System Developer	12.99%
Research and higher education	11.33%
Vehicle manufacturer	9.70%
Investor organization	6.86%
Media/press/distribution organizations	3.91%
Other	7.62%

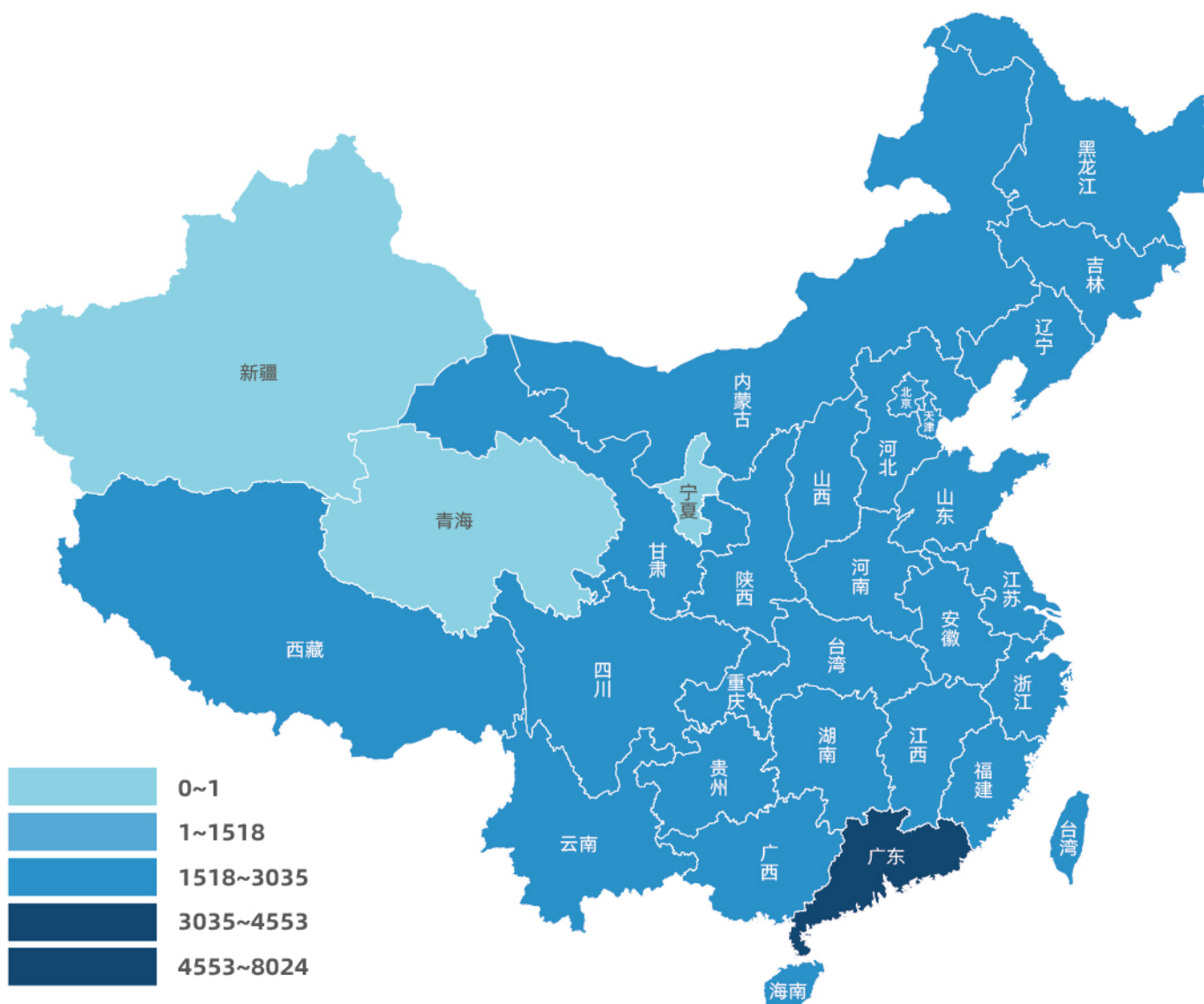
Product categories of interest to visitors (multiple choice) (percentage)

Options	percentage
Hydrogen vehicles	22.77%
Hydrogen production, storage and transportation equipment	18.38%
Stacks and systems	15.33%
Hydrogen refueling station infrastructure	12.36%
Test and production equipment	11.10%
Component	10.70%
Raw materials	9.02%
Other	0.35%

Distribution of domestic regional sources of the audience

NO	City	Percentage	NO	City	Percentage	NO	City	Percentage
01	Guangdong	75.65%	12	Hongkong	0.69%	23	Yunnan	0.15%
02	Shanghai	4.45%	13	Tianjin	0.54%	24	Shanxi	0.11%
03	Jiangsu	3.34%	14	Fujian	0.50%	25	Macau	0.10%
04	Beijing	2.95%	15	Henan	0.46%	26	Guizhou	0.07%
05	Shandong	1.41%	16	Anhui	0.42%	27	Tibet	0.07%
06	Zhejiang	1.25%	17	Liaoning	0.42%	28	Hainan Island	0.05%
07	Hubei	1.10%	18	Hebei	0.31%	29	Heilongjiang	0.05%
08	Hunan	1.06%	19	Jiangxi	0.27%	30	Gansu	0.01%
09	Sichuan	1.06%	20	Taiwan	0.21%	31	Inner Mongolia	0.01%
10	Shanxi	0.81%	21	Jilin	0.17%	32	Group visitors	1.37%
11	Chongqing	0.77%	22	Guangxi	0.15%			

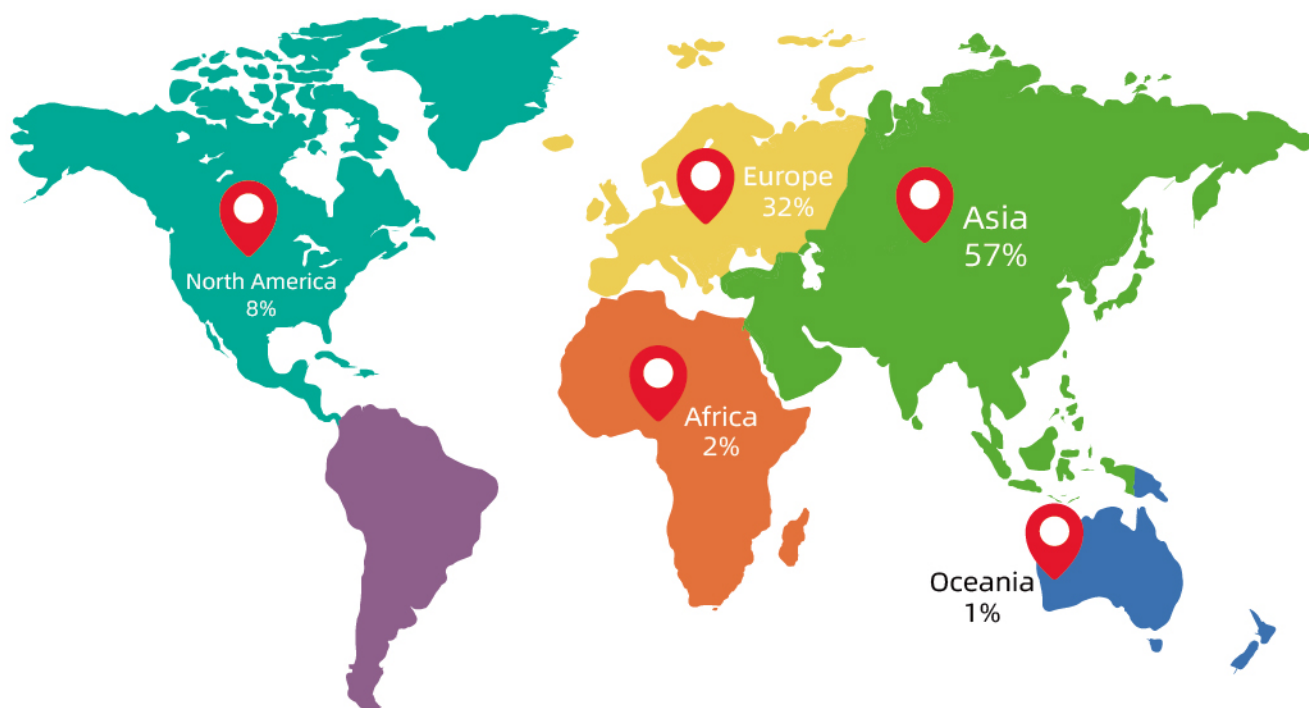
Heat map of the distribution of domestic sources of the visitors to the conference



Overseas regional distribution of visitors

NO.	Continents	Nations	Percentage
1	Asia	Japan	57%
2		South Korea	
3		India	
4		Pakistan	
5		Singapore	
6		Iran	
7		Malaysia	
8		Thailand	
9		Turkey	
10	Europe	Russian Federation, RSFSR	32%
11		Germany	
12		Netherlands	
13		United Kingdom	
14		France	
15		Czech Republic	
16		Italy	
17		Albania	
18		Andorra	
19		Austria	
20		Poland	
21	North America	Canada	8%
22		America	
23		Mexico	
24	Africa	Angola	2%
25	Oceania	Australia	1%

Overseas distribution of visitors



In 2024, we newly launched "HySpace Innovation Forum", which will be held on October 18th afternoon-19th, on the second floor of Hall C (inside Fuel Cell Pavilion 1). The forum specially invites experts in the field of hydrogen energy and fuel cells from domestic and international to adopt thematic and multi-dimensional in-depth discussions to comprehensively cover the key technologies and market trends of the hydrogen energy industry chain, whether it is hydrogen production, hydrogen storage, fuel cells and hydrogen energy applications, bringing the most cutting-edge industry information and breakthrough technologies. The forum will be held on "Live Speech+ Online Live Streaming", synchronized with online and offline speeches and sharing!

This year, the forum set up three forward-looking themes: "AEM Innovative Technologies for Hydrogen Production, Combustion Power and Applications Specialty", "Canadian International Exchange on Hydrogen Energy Technologies and Policies", and "Hydrogen Production and Storage Technologies and Applications Session", and invited 26 hydrogen energy experts to discuss new paths for the development of the industry!

Agenda of HySpace Innovation Forum

Afternoon of October 18th AEM hydrogen production, electricity burning and application of innovative technologies		
Time	Speech content	Guest speaker
14:00—14:15	The Ultimate Technology of Green Hydrogen Production – AEM Electrolyser	Zhang Jing,Vice President, Horizon Fuel Cell Technologies
14:15—14:30	First Domestically Produced Megawatt-Level AEM Hydrogen Production System,Promotes The Development Of The Green Hydrogen Industry	JACK,CEO,Wolong Enapter (Zhejiang) Hydrogen Energy Technology Co., Ltd.
14:30—14:45	Wolong Enapter - Leading the world in AEM electrolysis	Jan-Justus Schmidt,Co-Founder Enapter;Board member& Technical Expert Wolong Enapter (Zhejiang) Hydrogen Technologies Co., Ltd.
14:45—15:00	EVE Hydrogen Energy Industrialization practice of AEM water electrolysis hydrogen production technology	Xiangdong Su,Basic Platform Technology Center DirectorEVE Hydrogen Energy Co., LTD.
15:00—15:15	Localization of high performance and long life AEM cathode catalysts	Ding Qi,Jiping New energy Research and development director Guangdong Jiping General manager Guangdong Jiping new energy Technology Co., LTD.
15:15—15:30	KMem®Anion exchange membranes and their applications for hydrogen production by electrolysis of water	Zhang Yinhe,Operations Director, Xiamen Kah Membrane Technology Ltd.
15:30—15:45	Development Status and Application Prospects of Hydrogen Internal Combustion Vehicle	Wu Chunling,Senior Engineer, Director of Engine Division CATARC Automotive Test Center (Tianjin) Co., Ltd
15:45—16:00	Integrated technology and closed-loop application of hydrogen energy ' production, storage and transportation ' driven by renewable energy	Xingjun Liu,Academician of Harbin Institute of Technology, Shenzhen, Chairman of Guangdong Hydrogen Intelligent Equipment Technology Co., Ltd.
On the morning of October 19th International exchange of hydrogen energy technology and policy in Canada		
Time	Speech content	Guest speaker
9:30—9:35	Welcome remarks by Consul and Trade Commissioner	Mark Myvalganam,Consulate General of Canada, Guangzhou
9:35—9:45	The technology routes analysis and future development of hydrogen gas refilling stations	George Zhang",Quantum Technology Corp CTO
9:45—9:55	Empowering new-quality productivity and accompanying the internal and external dual circulation - AVL's hydrogen energy practice	Shen Zhihao,Affiliate BM,AVL Mobility Technology Testing (Shanghai) Co., Ltd
9:55—10:05	Advanced Materials of Water Electrolysis AEM and High-Temperature PEM Empowering a Carbon-Neutral Future	Zhang Ling,Head of Hydrogen Business, HUAHU GOLDCORE (SHANGHAI) TECHNOLOGY CO., LTD
10:05—10:15	Quadrogen's technology facilitates energy's low-carbon green transition	Wang Tao,China Market Lead, Quadrogen Power Systems Inc.
10:15—10:25	A brief introduction to the application of infrared communication products in hydrogen fuel cell industry.	Davison Li,Product Manager, IRDI SYSTEM Inc.
10:25—10:35	Speech Topic in English: Nanoporous Carbons——Novel solutions for PEMFC	Xiaoan Li,CEO,Nanjing Momentum Materials Technologies Co., Ltd.
10:35—10:45	The green application of methanol——HT-PEM Fuel Cell technology	Fu Qiang,Deputy General Manager of Sales,Shanghai Palcan New Energy Technology Co., Ltd.
10:45—10:55	Proven Technology that Delivers Hydrogen & CCS	Jeffrey Schneider,CEO, S3-GEN TECH. LTD
10:55—11:05	Hydrogen Investment Opportunities in Alberta, Canada	Joanna Chan,Investment Advisor,Invest Alberta
11:05—11:15	Canada British Columbia Hydrogen Industry Development and Business Advantages	Leanne Yi,Senior Commercial Officer, British Columbia China Office

On the afternoon of October 19th
Special Session on Hydrogen Production and Hydrogen Storage Technology and Application

Time	Speech content	Guest speaker
14:00—14:20	Technical and economic analysis and future development of multimodal transport of LH2 tank container	Wei Wei, Co-founder, Jiangsu Guofu Hydrogen Energy Equipment Co., Ltd.
14:20—14:40	Hydrogen Liquefaction Technology Development & Application	Yongqiang Ning, Hydrogen Energy Center General Manager, Beijing Sinoscience Fullcryo Technology Co., Ltd.
14:40—15:00	Low pressure solid-state hydrogen storage technology and application	Luo man, Deputy Director of the Laboratory for Key Materials Research of New Generation Hydrogen Production, Storage and Transportation, CRINM (Guangdong) Institute for Advanced Materials and Technology
15:00—15:20	Application of Low-Pressure Solid-State Hydrogen Storage Technology and Its Challenges	HanShuMin, Chairman, Zhongke Xuanda NewEnergy Technology Inc.
15:20—15:40	The layout of the whole hydrogen industrial chain empowers a green future	John Hong, Business Manager of CIMC Hydrogen, CIMC Hydrogen Energy Technology (Beijing) Co., Ltd.
15:40—16:00	Anion Exchange Membrane Water Electrolysis technology for Hydrogen Production: Progress, Challenges and Perspectives	Li Guangfu, Director in Structural Components Laboratory of Fuel Cells (FXL); Chief scientist in Shanghai Phoenix Technology Co., Ltd.
16:00—16:20	Research and Application of Methanol-Reformed High-temperature PEM fuel cell	Zhibin Guo, General Manager, Beijing Heralces Novel Technology Co., Ltd.



氢听剧场 HYDROGEN THEATER

"Hydrogen Theater", as one of the characteristic brand activities of The International Hydrogen Energy & Fuel Cell Technology and Product Expo Foshan·China, has been successfully held for seven times. Through the organization and invitation of industry experts, the theater shares the cutting-edge technology concepts and practical knowledge of hydrogen energy industry in the form of speeches and discussions. The speeches cover fuel cell system technology and application, fuel cell key components technology sharing, hydrogen energy and infrastructure construction and other directions.

This year, the Hydrogen Theater was successfully held in the afternoon of October 18th-19th, in the second floor of Hall A of Qiaoshan Cultural Center in a fully open format. The Hydrogen Theater has reached 41 keynote speeches and new product releases, featuring three thematic sessions on hydrogen energy key equipment technology, fuel cell core technology and testing, and hydrogen energy technology and applications.

Agenda of Hydrogen Theater

Afternoon of October 18th Hydrogen and ingenuity: special exhibition of equipment technology and materials		
Time	Speech content	Guest speaker
13:45—14:15	Thiko new energy global leading provider of comprehensive hydrogen energy solutions & Global debut of Thiko 300 FUEL CELL SYSTEM and Thiko 200KW FUEL CELL SYSTEM heavy-duty trucks	Ren Yahui, Shanghai Thiko New Energy Technology co., Ltd., CEO
14:15—14:25	Development Status and Analysis of Domestically Produced Proton Exchange Membranes	LIU HAO, STATE POWER INVESTMENT CORPORATION HYDROGEN ENERGY TECH CO., LTD. Deputy General Manager and Director of Product Center of Critical Materials Division
14:25—14:35	Development and Application of Key Technologies of Type IV Hydrogen Storage Cylinders	Ji Zengxiang, Sinoma Science & Technology (Suzhou) Co., Ltd. Director of R&D Center
14:35—14:45	Festo Product Solution Assist Green H2 Production	Barret Zhangm, Festo, KAM
14:45—14:55	Enhanced Corrosion Resistance of a-C Coatings via TiOx sublayer for Ti Bipolar Plates in PEMFCs	Yuchen Li, Western Metal Material Co., Ltd. Fuel Cell Project Manager
14:55—15:05	Application of Rapid Refueling Technology for Gaseous Hydrogen Stations	Mingxin Li, Censtar H2-Electricity Science & Technology Zhengzhou Co., Ltd. The Director of the Engineering Technology Center of Censtar H2e; Director of the Engineering Technology Research Center of Henan Intelligent Hydrogen Station.
15:05—15:15	Utilization of Advanced Material Technology in Solving Key Challenges in the Hydrogen Industry	Wang Ting, Sydogen (Shanghai) Technology Co., Ltd. Technical Director
15:15—15:25	Challenges and breakthroughs of liquid drive superchargers for hydrogen refueling stations	Wang Yi, OD, JUJING MACHINE
15:25—15:35	Coating Deposition Technology And Coating Equipment Manufacturing of Hydrogen Energy Plate	David chow, CEO, Shenzhen Rise New Material Technology Co., Ltd.
15:35—15:45	New Engineering Materials in Hydrogen Storage Cylinders	Wu Yadi, Envalior Application Development Manager, Envalior Engineering Materials (Shanghai) Co., Ltd.
15:45—15:55	Key Insights into the Valves and Fittings Industry Dynamics for Hydrogen Energy	Wayne Chuang, JPE YEAN HERN CO., LTD. RD Manager,
15:55—16:05	From skid-mounted stations to Hydrogen future: Hydrosys contributes to the green transition	Justin Nie, Hydrosys (Beijing) Technology Co., Ltd. Co-founder, Vice President
16:05—16:15	Domestic application of catalysts	Sunny Liu, JIPING New Energy, Marketing Director
16:15—16:25	Key technologies and product applications of Type IV on-board hydrogen storage cylinders	Zhangzengying, Beijing Tianhai Hydrogen Energy Equipment Co., Ltd. General Manager



On the morning of October 19th
The road of hydrogen chain: production, storage and transportation plus special session

Time	Speech content	Guest speaker
9:00—9:15	The launch of Cawolo new series electrolyzer system	Shenjiong, GUANGDONG CAWOLO HYDROGEN TECHNOLOGY CO., LTD., General Manager of the PEM Business Division
9:15—9:35	Shanghai H-Ray's high-efficiency PEM water electrolysis system and solutions, Introduction of new 5MW system.	Dalin Hu, Shanghai H-Ray S&T Co., Ltd., Vice General Manager
9:35—9:45	Detection of Metering accuracy for hydrogen refueling	Li Hongjun, Chongqing Endurance Energy Equipment Integration Co., Ltd. Technical Director of Hydrogen product
9:45—09:55	Launch Event for Single Stack 500 Nm ³ /h PEM Electrolyzer of Low Iridium & High Current Density	Hanchun Wang, AMOY ISLAND HYDROGEN TECHNOLOGY Co., Ltd., CTO
09:55—10:05	Low temperature carbonization technology	Eva, SHANGHAI EVIAN INDUSTRIAL TECHNOLOGY CO., LTD. Vice General Manager
10:05—10:15	De Nora Electrodes for AWE	Jeff WU, De Nora Elettrodi (Suzhou) Co., Ltd. Product Manager for Green Hydrogen Electrodes
10:15—10:25	Cascade System In Hydrogen Refueling Station	Angel Xiao, Seitz Valve Technology (Shanghai) Co., Ltd. Marketing Manage
10:25—10:35	The Cost Revolution of PEM Electrolyzers	Justin Liu, Anhui Contango New Energy Technology Co., Ltd. CTO
10:35—10:45	Application of Linde Ionic liquid compressor in hydrogenation integrated station -50MPa&90MPa	Jim Wang, Chengdu Azure new energy Co., LTD. Director of Hydrogen Energy Dept
10:45—10:55	Present situation and development trend of hydrogen storage and transportation equipment	Li Shulei, CIMC Hydrogen -High Pressure Hydrogen BU, Technical Manager of High Pressure Hydrogen Energy Storage and Transportation Equipment Products
10:55—11:05	Practice-Based Enhancement of Hydrogen Safety Assurance and Testing Technology	Sun Hui, To High Hydrogen Testing (Baoding) Co., Ltd. Director of safety management department
11:05—11:15	Waste to Hydrogen Technology and Trends	Zhang Hanwei, CTO of Grandblue Environment Co., Ltd., Director of Grandblue Research Institute,
11:15—11:25	The technology routes analysis and future development of hydrogen gas refilling stations	Quantum Technology Corp., George Zhang, Quantum Technology Corp., CTO
11:25—11:35	PEM Flexible Technology Facilitates High-Quality Development of China's Green Hydrogen Industry	elsea, Cummins Enze (Guangdong) Hydrogen Energy Technology Co., Ltd. Sales & Marketing Director

On the afternoon of October 19th
The road of hydrogen chain: production, storage and transportation plus special session

Time	Speech content	Guest speaker
14:00—14:10	Development and prospect of hydrogen two-wheeled vehicle	Zhang Zhenlin, Pearl Hydrogen Technology Co., Ltd. General Manager Assistant
14:10—14:20	Key technological pathways for hydrogen economy commercialization	Zhang Jing, Guangdong Horizon New Energy Technologies Co., Ltd. Deputy General Manager,
14:20—14:30	Zhong Xin Hydrogen Energy " " for the Construction of Hydrogen Energy Infrastructure Industry Chain	Yutang Bian, Zhong Xin Hydrogen Energy Technology Development Co., Ltd. General Manager
14:30—14:40	Practices and Explorations in Fuel Cell Industrialization	Lu Liang, Guangdong Yuntao Hydrogen Energy Technology Co. Vice Dean of the Research Institute
14:40—14:50	Diagnostic technologies and testing equipments for hydrogen stacks based on electrochemical principles	Wang Hao, KEWELL TECHNOLOGY CO., LTD. Product Manager
14:50—15:00	Advancing the Future of Energy Intelligently: Hydrogen Energy Smart Factory Technological Innovation and Solutions	Zhao Jidong, Bright Automatrix Inc., General Manager
15:00—15:10	Innovation and Industrialization Progress of Domestic Polymer Electrolyte Membranes	Ding Han, Manager of Application Development Department, Shandong Dongyue Future Hydrogen Energy Materials Co., Ltd. Patrick Schuler
15:10—15:20	The impressive safety characteristics of type IV hydrogen pressure vessels	MAXIMATOR VETEQ GmbH, Chief Sales Officer
15:20—15:30	The demonstration application of fuel cell sanitation vehicles has implications for the development of high-power fuel cells	Zhao Yubin, Foshan CleanEst Energy Technology Co., Ltd. Deputy General Manager
15:30—15:40	Sunfly's development and prospect of hydrogen energy industry	Huang Ying, Sunfly New Energy Co., Ltd., Senior Chief Engineer
15:40—15:50	Integrated capacity building and exploration of "wind, photovoltaic and hydrogen storage	ZHANG JIAN, Mingtian Hydrogen Energy Company, Brand General Manager
15:50—16:00	Stationary fuel cell power systems EU compliance certification approaching and takeaways	Among Chen, DEKRA GBA Renewables Testing and Certification Center, General Manager
16:00—16:10	MEA Process and Equipment of Fuel Cell, PEM Electrolyzer and AEM Electrolyser	Ding Yanchun, Hunan Rossum Hydrogen Energy Technology Co., LTD. General Manager



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