

FCVC

2025国际氢能与燃料电池 汽车大会暨展览会

International Hydrogen and Fuel Cell Vehicle
Congress & Exhibition 2025

凝聚共识、攻坚克难，共促产业规模化发展

Post Show Report

6 JUNE
18-20 | 上海·嘉定
Jiading, Shanghai

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01. Event Overview



01. Event Overview-Past Review



FCVC 2016

2016.11.7-8 Beijing



1 plenary session
4 forums
1 working group meeting
500 delegates



FCVC 2017

2017.11.9-10
Rugao, Jiangsu

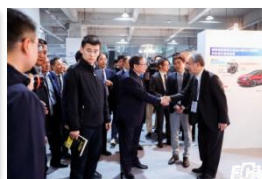


1 plenary session
4 forums
1 working group meeting
1,100 delegates
16 exhibitors



FCVC 2018

2018.10.23-25
Rugao, Jiangsu



1 plenary session
1 leadership forum
5 forums
1,500 delegates
52 exhibitors
6,000m² exhibition area
2,626 professional visitors



FCVC 2019

2019.9.26-28
Rugao, Jiangsu



1 plenary session
6 forums
5 side events
1,500 delegates
111 exhibitors
10,000 m² exhibition area
4,233 professional visitors



FCVC 2020

2020.9.14-16
Jiading, Shanghai



1 plenary session
4 forums
1,000 delegates
127 exhibitors
10,000 m² exhibition area
5,567 professional visitors



FCVC 2021

2021.6.8-10
Jiading, Shanghai



1 plenary session
8 forums
2 side events
1,100 delegates
228 exhibitors
14,000m² exhibition area
7,358 professional visitors



FCVC 2023

2023.7.5-7
Jiading, Shanghai

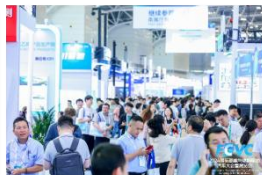


1 plenary session
8 forums
3 closed-door summits
1,200+ delegates
300 exhibitors
20,000m² exhibition area
9,643 professional visitors



FCVC 2024

2024.6.4-6
Jiading, Shanghai



1 plenary session
7 thematic sub-forums
5 concurrent sessions
1,000+ delegates
302 exhibitors
25,000m² exhibition area
12,292 professional visitors

01. Event Overview-2025 Past Review

International Hydrogen and Fuel Cell Vehicle Congress & Exhibition 2025 (FCVC 2025) was held during **June 18-20, 2025** in Shanghai Automobile Exhibition Center. The topic of FCVC 2025 was “**Collaborating for Hydrogen, Building Consensus, Driven by Scenarios, Embarking on a New Journey Toward Industry Scale-Up**”, consisted of “2 Plenary Sessions,6 themed forums and 4 concurrent sessions”,Alongside the event, a technical exhibition with an area of 25,000m² showcased 266 domestic and international enterprises and brands. Additionally, numerous exciting activities, including technical speeches, new product launches, technical tours, and science popularization events, were held concurrently. **The FCVC conference and exhibition established an authoritative and professional international cooperation and exchange platform for the industry, jointly promoting the integrated development of hydrogen energy and fuel cell vehicle technologies to achieve industrial win-win results.**

- Hosts**
China Society of Automotive Engineers
International Hydrogen Fuel Cell Association (IHFCA)
- Guided by**
Administration of Jiading District, Shanghai
- Organizer**
Anting·Shanghai International Automobile City
- Special Thanks**
Valterra Platinum



Conference

- [2 Plenary Sessions](#)
- [6 Themed Forums](#)
- [4 Concurrent Sessions](#)
- [800+ Delegates](#)
- [60+ Guest Speakers](#)



Technical Exhibition

- [266 Exhibitors](#)
- [25,000m² Exhibition Area](#)
- [8,696 Professional Visitors](#)
- [22,000+ Visits](#)
- [40+ Technical Theaters](#)
- [8 Launch & Signing Events](#)



Concurrent Events

- [Multiple High-level Meetings](#)
- [Multiple VIP Visits](#)
- [2 Technical Tours](#)
- [Hydrogen Bike Sharing Experience](#)
- [FCVC Football Friendship Match](#)
- [Science Popularization Events](#)

01. Event Overview-2025 Sponsors

Special Thanks



Gold Partners



Silver Partners



Organizer of the Forum



Lanyard Sponsor



Water Sponsor



Bag Sponsors



02. Conference Review



02. Conference Review-Meeting Overview

Conference Theme: Collaborating for Hydrogen, Building Consensus, Driven by Scenarios, Embarking on a New Journey Toward Industry Scale-Up

June 18

Plenary Session

- ✓ Advancing the Industry into a New Stage of Scaled Development

Themed Forums

- ✓ Fuel Cell Endurance Technology Development and Application Breakthrough in the Whole Chain
- ✓ The Path to Hydrogen Parity-Industry Trend, Technology Realization Paths and Investment Opportunities

Concurrent Sessions

- ✓ The Fifth Session of the First Executive Board Meeting of the International Hydrogen Fuel Cell Association (Invitation Only)
- ✓ Second Session of the First IHFCA Standardization Working Committee (Invitation Only)
- ✓ Closed-door Meeting: The Next Policy Recommendations for Hydrogen Energy and Fuel Cell Vehicles (Invitation Only)

Welcome Dinner

June 19

Plenary Session

- ✓ Diversified Applications of Hydrogen Energy and Fuel Cells Across Multiple Scenarios

Themed Forums

- ✓ Cost Reduction in Green Hydrogen Production: Breakthroughs and Applications of Electrolysis Technology
- ✓ Global Hydrogen Strategies: Unlocking Opportunities Through International Collaboration
- ✓ Storage and Transport Safety & Commercialization: From Technology Validation to Large-Scale Deployment
- ✓ Hydrogen Ignites New Quality Productive Forces: Accelerating Commercial Applications through Cross-Industry Collaboration and Innovation

Concurrent Session

- ✓ Hydrogen Safety and Equipment Working Committee Meeting of the International Hydrogen Fuel Cell Association (Invitation Only)

02. Conference Review-Plenary Session 1

- The conference focus on “the hydrogen supply system, the development of the hydrogen fuel cell industry, and key technological innovations”, 2 academicians, 5 government leaders, and 30 leaders of domestic and foreign industry organizations and enterprises attended the conference.
- 7 Heads of the hydrogen energy field from various leading companies such as SAIC Motor, Hyundai Motor Group, Toyota Motor, Faurecia delivered speeches.

Academicians & Government Leaders

- 田世宏, 国家市场监督管理总局原副局长、国家标准化管理委员会原主任
- OUYANG Minggao, Academician of Chinese Academy of Sciences, Professor of Tsinghua University, Chairman of International Hydrogen Fuel Cell Association (IHFCA)
- LU Zufang, Jiading District Standing Committee, Executive Deputy District Governor
- 陈可乐, 上海市经济和信息化委员会汽车产业处副处长
- 严健明, 上海市嘉定区安亭镇党委书记
- 邵刚, 上海市嘉定区安亭镇党委副书记、镇长

International Organization Representative

- Petra SCHWAGER, Chief, the Climate and Technology Partnership (CTP) Division of the United Nations Industrial Development Organisation (UNIDO)
- Mikaa BLUGEON-MERED, Canada Research Chair on Green Hydrogen Production, University of Québec at Trois-Rivières
- Emilio Nieto GALLEG0, General Manager, Spanish National Hydrogen Center
- Thomas von UNWERTH, Managing Director, Institute for automotive research, TU Chemnitz Chairman, European Hydrogen Technology Cluster HZwo Chairman, Hydrogen Innovation Centre HIC GmbH

Industry Organizations & University Experts

- ZHANG Jinhua, Chairman of China Society of Automotive Engineers, Executive Vice Chairman of International Hydrogen and Fuel Cell Association (IHFCA)
- HOU Fushen, Vice Chairman and Secretary General of China Society of Automotive Engineers
- LI Kaiguo, Former Chairman of China Automotive Engineering Research Institute Co, Chairman of the Board of Supervisors of the China Society of Automotive Engineers
- LIU Anmin, Deputy Party Secretary, Board Member, and General Manager of China Automotive Engineering Research Institute (CAERI)
- GONG Jinfeng, Former Vice-President of China Automotive Technology and Research Center Co., Ltd.
- YU Zhuoping, Professor at the School of Automotive Engineering, Tongji University
- WU Zhixin, Former Vice-President of China Automotive Technology and Research Center Co., Ltd., Foreign Academician, Russian Academy of Engineering
- GUAN Xing, Professor, Jilin University
- WANG Ju, Secretary General of International Hydrogen Fuel Cell Association (IHFCA), Member of the UN Council of Engineers for the Energy Transition (CEET)
- ZHAO Lijin, Deputy Secretary General, China Society of Automotive Engineers

02. Conference Review-Plenary Session 1



ZHANG Jinhua stated that against the backdrop of accelerated global carbon neutrality initiatives, hydrogen energy – characterized by its abundant sources and low-carbon attributes – demonstrates significant application potential in decarbonizing transportation and industrial production. Particularly in the transportation sector, fuel cell electric vehicles (FCEVs) serve as a critical enabler for low- and zero-carbon development in road transport systems, with especially promising prospects in the medium- and heavy-duty commercial vehicle segment.



LU Zufang highlighted Jiading District's proactive efforts to chart transformation pathways for its automotive industry and accelerate the cultivation of new quality productive forces. The district aims to become an industry pioneer in intelligent connected vehicles (ICVs) and new energy vehicles (NEVs). In the next phase, Jiading will refine its working mechanisms and policy frameworks, continuously optimize its business environment, and strive to be enterprises' optimal development partner and the industry's strongest catalyst.



Hilton INGRAM noted that as a founding member of the International Hydrogen Fuel Cell Association (IHFCA), Valterra Platinum (formerly Anglo American Platinum) remains committed to advancing hydrogen and fuel cell technologies, propelling the industry to new heights. The Chinese government has established a favorable policy and market environment for the hydrogen and FCEV industry. Moving forward, Valterra Platinum will collaborate with global partners to build a robust collaborative ecosystem and jointly achieve carbon neutrality goals.



Academician **OUYANG Minggao** stated that China's fuel cell industry has achieved stable development, with fuel cell vehicle models now covering the full range of commercial vehicles including buses and trucks. China has become the country with the world's largest fleet of fuel cell commercial vehicles. Over the past decade since 2015, China's industrial chain technological capabilities have advanced rapidly, with the supply chain gradually maturing and achieving self-sufficiency. However, four critical challenges persist across the hydrogen infrastructure value chain—hydrogen transportation, refueling stations, and storage cylinders—where high costs, low efficiency, and significant safety risks remain major constraints for both China and global hydrogen industry development.



Petra SCHWAGER indicated that while global energy transformation has made progress, the task of reducing CO₂ emissions remains formidable, and energy equity issues remain prominent. Hydrogen is recognized as a crucial pathway for energy transition with enormous potential, yet its current adoption rate remains low. Achieving large-scale hydrogen implementation faces obstacles including substantial investment requirements and the absence of international standards and certification frameworks. All stakeholders must make collective efforts to accelerate hydrogen industry advancement and contribute to energy transition and sustainable development goals.

02. Conference Review-Plenary Session 1



● China Automotive Engineering Research Institute (CAERI)—LIU Anmin

The hydrogen industry is progressively maturing, with significantly accelerated collaborative development across the entire value chain. There is an urgent need to advance technological breakthroughs in testing systems development and enhance manufacturing quality to meet rapidly evolving standards and industry requirements.



● Hyundai Motor Group—SHIN Seung-Kyu

Investments across the entire hydrogen value chain will achieve balanced development and scale up the hydrogen economy. Industrial growth will be accelerated through diversified application scenarios for fuel cell technologies.



● SAIC Motor—ZU Sijie

China's hydrogen and fuel cell industry is at a critical juncture transitioning from demonstration to commercialization—presenting both challenges and historic opportunities for leapfrog development.



● Toyota Hydrogen Factory China—MANABE Kota

Collaborating with partners and end-users to establish a scalable fuel cell electric vehicle (FCEV) application ecosystem will advance China's carbon neutrality objectives. This ecosystem will expand through cost-competitive FCEVs, competitively priced hydrogen, and enhanced refueling accessibility.



● Faurecia Hydrogen Solutions China—Frank PAN

Hydrogen serves as a critical decarbonization solution for energy-intensive applications and is indispensable for sustainable mobility. It will play a pivotal role in heavy-duty trucks, construction machinery, and other energy-demanding sectors.



● HILITE—James SHEN

Amid global hydrogen transformation, China leads through its dual-driver "Production+ Application" strategy: establishing integrated value chains from electrolyzers to FCEVs with significant cost advantages, while shifting fuel cell product development from policy-driven to market-oriented applications.



● Sinoma Science & Technology—JI Zengxiang

Gaseous hydrogen storage represents a relatively mature technology, widely deployed in automotive, chemical, and transportation sectors. High-pressure hydrogen storage vessels predominantly utilize Type I/II configurations for transport/refueling stations, while Type III dominates onboard FCEV storage in China with Type IV industrialization emerging.



● Guochuang Hydrogen—YAO Ronghua

Diversified green hydrogen demonstration applications will accelerate sustainable development across the production-storage-transport-utilization value chain. Large-scale green hydrogen projects will establish low-carbon, cost-efficient, and secure regional renewable energy supply systems – setting benchmarks for efficient utilization.

02. Conference Review-Plenary Session 2

- The plenary session on the morning of June 19 delivered thematic speeches on topics such as hydrogen energy strategy and layout of global and key countries, the diverse application scenarios of hydrogen energy and fuel cell technology. The session was host by Mikaa BLUGEON-MERED, Canada Research Chair on Green Hydrogen Production, University of Québec at Trois-Rivières and LI Kaiguo, Former Chairman of China Automotive Engineering Research Institute Co, Chairman of the Board of Supervisors of the China Society of Automotive Engineers.

Emilio Nieto GALLEGO, General Manager, Spanish National Hydrogen Center presented Spain's hydrogen strategy and deployment framework. Spain has established a unified national hydrogen strategy to advance low-carbon development, currently encompassing 361 hydrogen projects across production, heavy-duty truck applications, ammonia refueling stations, and other sectors – all targeted for full implementation by 2050. However, regulatory hurdles, demand uncertainties, grid integration challenges, and financing constraints remain significant obstacles.

Thomas von UNWERTH, Managing Director, Institute for automotive research, TU Chemnitz Chairman, European Hydrogen Technology Cluster H2w Chairman, Hydrogen Innovation Centre HIC GmbH systematically elaborated Germany's innovations in hydrogen industry policy. Germany's National Hydrogen Strategy targets climate neutrality by 2045 and 10 GW of electrolysis capacity by 2030, positioning hydrogen as a critical zero-emission solution for transportation. Nevertheless, accelerated development requires enhanced policy support, fiscal incentives, and tax exemption measures.

Manfred SCHUCKERT, VP - Head of Regulatory Strategy Development and International Hydrogen Strategy, Daimler Truck AG shared Daimler's advancements and outlook in hydrogen-powered trucks. Hydrogen heavy-duty trucks offer significant advantages including extended range, high refueling efficiency, and lower total cost of ownership (TCO). Liquid hydrogen represents a critical development pathway for hydrogen trucks, and Daimler is collaborating with multiple partners to scale liquid hydrogen production capacity and infrastructure development.

ZHANG Bo, Director of the New Energy Research Office, CRRC Academy Co., Ltd. highlighted hydrogen fuel cells' inherent advantages in rail transportation: reducing line construction costs and ensuring operational independence from electrical grid constraints. While CRRC has established a comprehensive industrial chain encompassing hydrogen production, storage, transportation, and fuel cell stack systems for rail applications, challenges persist regarding hydrogen sourcing economics and cost competitiveness.

Mark FREED, Global Head of Market Development, Valterra Platinum presented the company's global hydrogen initiatives and partnerships. Having supported and invested in hydrogen technologies for two decades, Valterra Platinum collaborates with China-SAE and IHFCA to advance hydrogen adoption worldwide. Mr. Freed emphasized that establishing a robust hydrogen ecosystem requires three fundamental pillars: stable supply chains, governmental policy backing, and committed industry partnerships.

CHEN Ping, Assistant General Manager and Technical Director, State Power Investment Corporation Hydrogen Energy Technology Development Co., Ltd. Adjunct Professor, College of Energy Engineering, Zhejiang University analyzed development trends and strategies for hydrogen mobility. The industry presents coexisting opportunities and challenges, though China's dual carbon goals provide policy-driven momentum. Fuel cell vehicles will enter accelerated development within five years, reaching comprehensive commercialization by 2030. SPIC plans to launch fuel cell refrigerated trucks and heavy-duty vehicles to establish a new hydrogen mobility ecosystem.



02. Conference Review-Plenary Session 2



LU Caiyin, Executive Vice President, Rockcheck Group
General Manager, Rockcheck Future Energy Group

Rockcheck Group expands market adoption across the hydrogen value chain through operational scenario development, driving technological iteration and scaling of hydrogen equipment. The group will further scale hydrogen refueling stations and heavy-duty truck deployments while collaborating with industry leaders to foster healthy sector growth.



Leo LU, General Manager, China, Ballard Power Systems

Ballard Power Systems specializes in developing, manufacturing, and servicing PEM fuel cells. Its next-generation fuel cell engines feature reduced size / weight with significantly lower production costs. Through technological innovation and localization strategies, Ballard delivers high-performance, cost-competitive solutions in China, targeting TCO parity between fuel cell and diesel heavy trucks by 2028.



SI Yaohui, General Manager of Hydrogen Energy Business
Department of Zoomlion Heavy Industry Science & Technology Co., Ltd.

Electrification trends and hydrogen strategies in construction machinery were examined. This high-emission sector's decarbonization substantially contributes to carbon neutrality goals.



ZHOU Hongbo, Chairman of Zhejiang HydroT Technology Co., Ltd.

Hydrotron evolved from low-power startups to automotive /stationary power systems. During industry downturns, it pivoted to value-chain competition, focusing on durability breakthroughs for high-speed heavy trucks to advance fuel cell technology.



TANG Wenjun, Vice General Manager, Wuhan Changjiang Ship Design Institute Co., Ltd.

Hydrogen fuel cell vessels offer low pollution/noise but face range limitations and high CAPEX. Commercialization requires intensified R&D and infrastructure development.



LOU Yijie, Vice General Manager, Shanghai HITS
Hydrogen Power Technology Co., Ltd.

Hydrogen-powered UAVs demonstrate significant advantages in extended endurance and payload capacity, effectively addressing limitations of lithium battery drones. HiTS now possesses full-industry chain capabilities, having commercialized multiple hydrogen UAV products while providing integrated solutions and O&M services.

02. Conference Review-6 Themed Forums



Themed Forum 1: Fuel Cell Endurance Technology Development and Application Breakthrough in the Whole Chain

Domestically produced fuel cell systems, stacks, PEMs, catalysts, bipolar plates, and air compressors demonstrate satisfactory durability, though vibration endurance of on-board hydrogen systems requires further enhancement. The industry is advised to accelerate R&D while integrating durability technologies for critical materials, prioritizing product development and validation under complex operating conditions. Additionally, establishing a cost-effective, high-reliability comprehensive fuel cell evaluation framework is urgently needed.

Themed Forum 2: The Path to Hydrogen Parity-Industry Trend, Technology Realization Paths and Investment Opportunities

Achieving hydrogen cost-parity necessitates collaborative efforts to build an economical, stable hydrogen supply ecosystem and stimulate large-scale demand. Beyond international cooperation opportunities and policy subsidies, industry must prioritize systematic coordination and scenario-based breakthroughs in hydrogen mobility applications.



Themed Forum 3: Cost Reduction in Green Hydrogen Production: Breakthroughs and Applications of Electrolysis Technology

Global consensus recognizes green hydrogen's pivotal role in energy transition, with nations advancing it through policy interventions and market mechanisms. While PEM electrolysis shows technological advantages, its cost competitiveness remains insufficient. Accelerating upstream-downstream coordination and integrating renewable power could reduce green hydrogen's lifecycle costs.



02. Conference Review-6 Themed Forums

Themed Forum 4: Storage and Transport Safety & Commercialization: From Technology Validation to Large-Scale Deployment

Hydrogen storage/transport innovations are accelerating: vehicular cylinders evolve toward larger capacity/higher pressure, while hydrogen-blended pipelines and solid-state storage show promising R&D progress. Industry must strengthen safety risk mitigation and cost management through energy synergies (power-to-hydrogen integration), equipment design/monitoring enhancements, and regulatory framework improvements.



Themed Forum 5: Global Hydrogen Strategies: Unlocking Opportunities Through International Collaboration

Addressing universal challenges – limited green hydrogen output and insufficient economies of scale – requires strengthened international cooperation. Multiple regions (Germany, Canada, Africa, etc.) seek multilateral/bilateral partnerships with Chinese stakeholders to foster diversified technological pathways and expanded market applications.



Themed Forum 6: Hydrogen Ignites New Quality Productive Forces: Accelerating Commercial Applications through Cross-Industry Collaboration and Innovation

Amid global decarbonization trends, energy security, policy support, technological maturity, and economic viability will drive energy transformation. FCEV development hinges on hydrogen's accessibility and affordability. Despite China's initial FCEV deployment successes, continuous evaluation of scaled development models, differentiated pathways, improved refueling cost-effectiveness, and transportation decarbonization remain imperative.



03. Exhibition Review



03. Exhibition Review-Exhibitor Overview

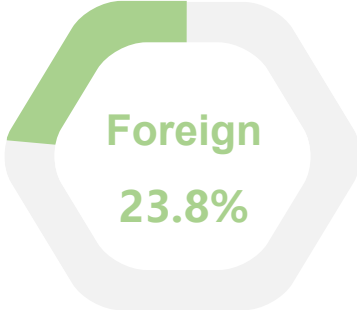
- **Exhibition Highlights:** One of the most professional, largest, and influential commercial technology exhibitions in the industry
- **Exhibitor Overview:** The exhibition area covers 25,000m², with 266 exhibitors, 76 exhibitors are newcomers, accounting for **28%**. There are 55 foreign enterprises and brands, accounting for **21%**, with overseas pavilions from Canada, Sweden, etc., and FCVs pavilion, outdoor hydrogen energy mining truck display area.
- **Category of Exhibits:** Fuel cell vehicles and fuel cell stack systems account for **21%**, while hydrogen production, storage, transportation, and refueling-related products account for **12.3%**.

Category of Exhibits	5%	10%	15%	20%	25%	30%
Hydrogen fuel cell vehicles and other applications	5%					
Hydrogen production/supply	3.5%					
Hydrogen storage/transportation	3.8%					
Hydrogen fueling stations and Hydrogenationrelated equipment	5.3%					
Hydrogen energy related equipment and parts				23.7%		
Fuel cell systems and stacks			16%			
Fuel cell stack parts and raw materials				29.4%		
Test platforms, Systems and equipment, Analytical instruments		10.7%				
Other related supporting services: Testing, Certification, Consulting, etc	2.6%					

Percentage of New Exhibitors



Percentage of Foreign Exhibitors



03. Exhibition Review-Exhibitors



* Listed in no particular order

View the complete list of exhibitors: <http://www.fcvc.org.cn/CN/ExhibitorList/>

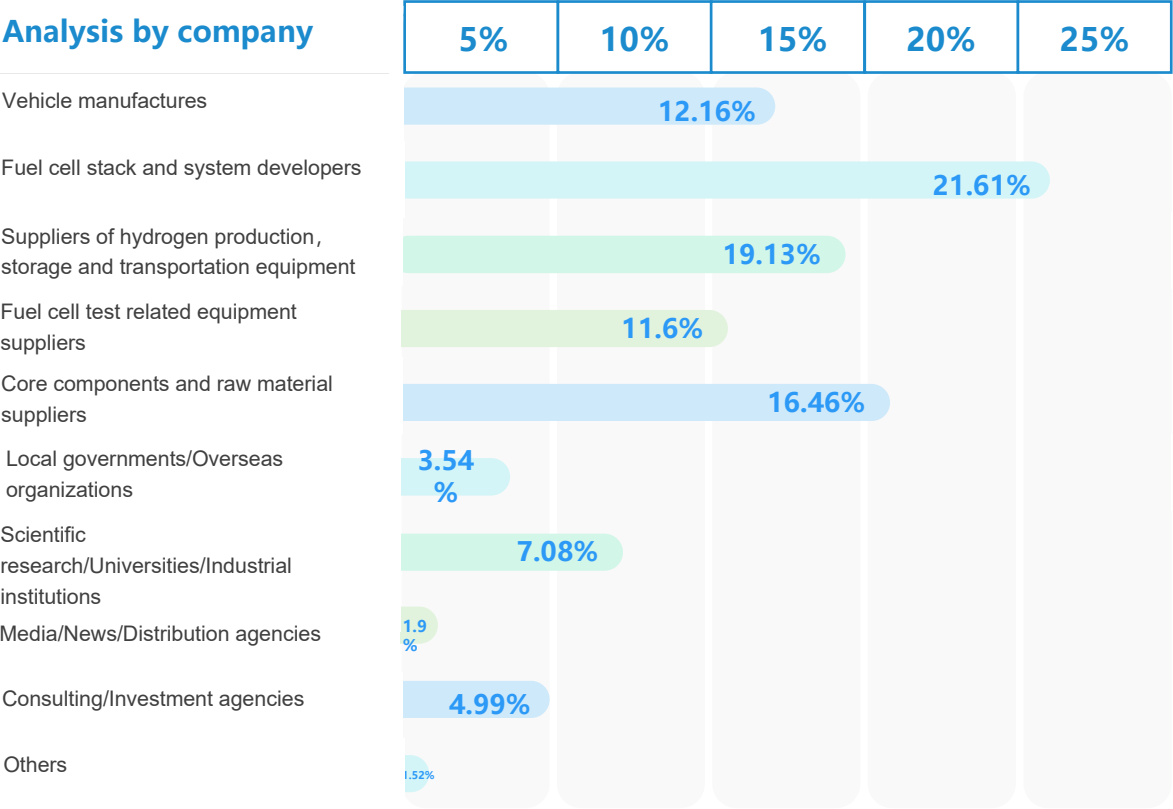


03. Exhibition Review-Scale of Visitors

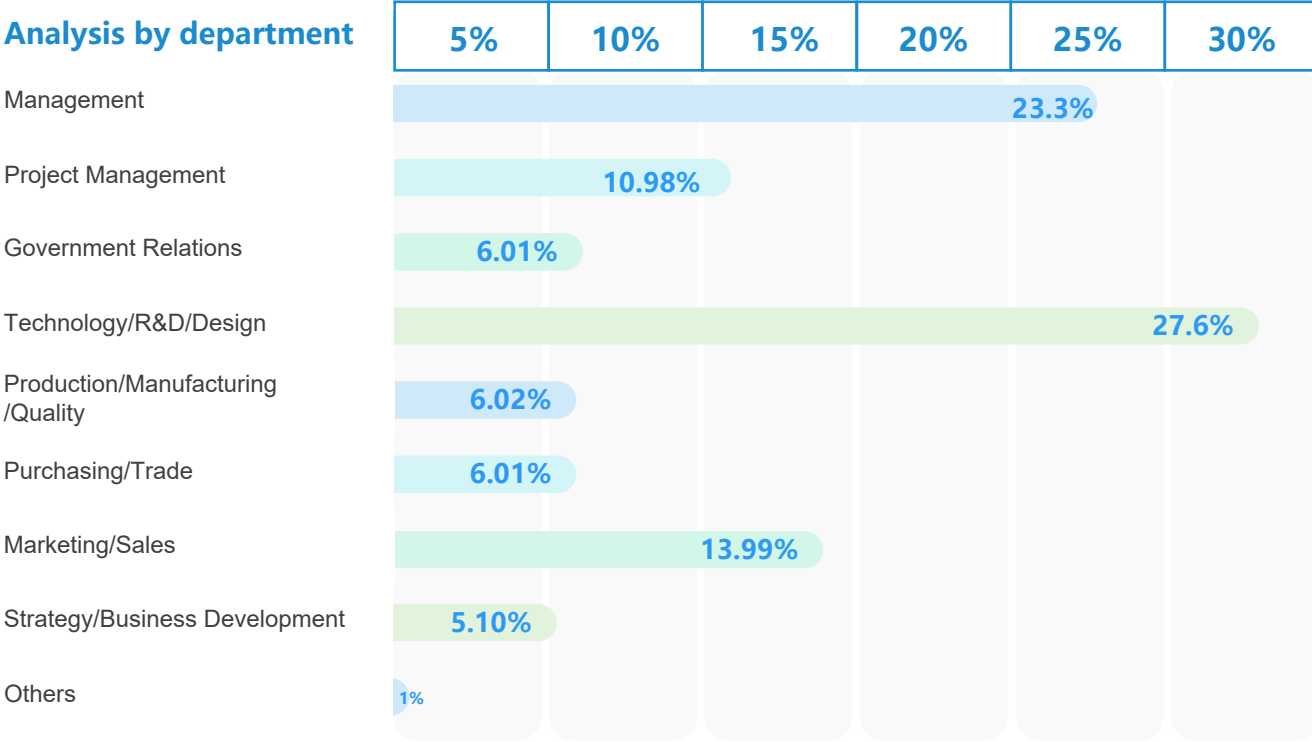
- **Number of visitors:** 8,696 **Total visits:** 22,000+ visits in 3 days
- **52.9%** of visitors were from vehicle manufacturers, fuel cell stack systems, and hydrogen production, storage, and transportation companies
- **23.3%** of visitors were from management, **27.6%** were technical/R&D/design engineers



Analysis by company



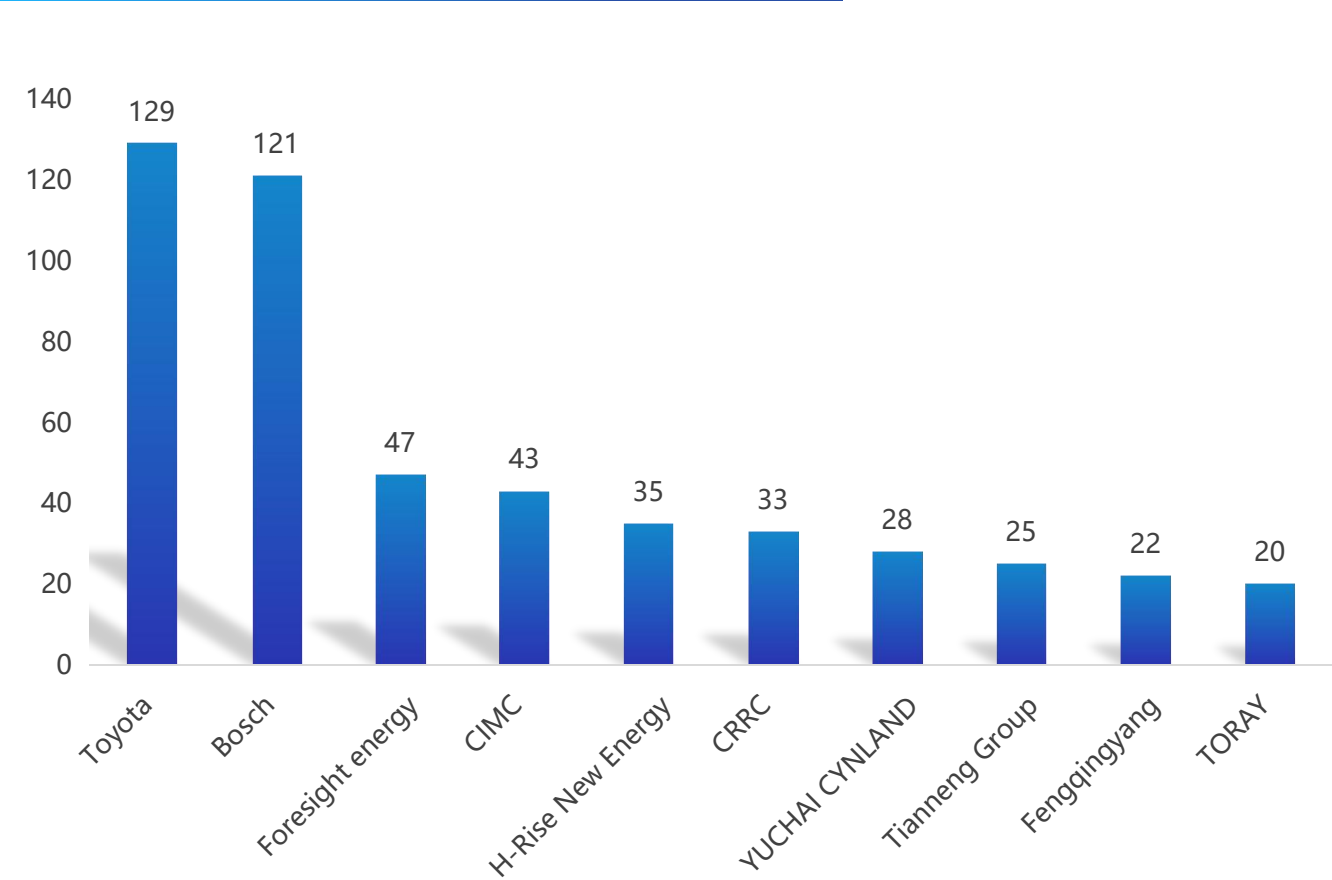
Analysis by department



03. Exhibition Review-Group of Visitors

FCVC 2025 organized nearly **20** group visits, inviting **key research institutions, universities, vehicle manufacturers, energy companies, and core component enterprises** from the industry to visit the exhibition.。

Company/Institution & Number of visitors



Other professional visitor groups:

- Shanghai Electric
- Guofu Hydrogen Energy
- Hynergy Technology
- Plastic Omnium
- Beiqi Foton
- ANCHEE
- XCMG
- DONGFANG ELECTRIC
- QINGNENG HORIZ
- Parker Hannifin

03. Exhibition Review-Technical Theater

As a highlight of the FCVC 2025, the Technical Theater in 2025 continues to maintain its "high popularity." **"Technical Theater"** organized 5 themed events: 1 Testing Session、1 New Technology, New Product Session、2 Tech Sessions、1 Science Popularization Session. More than 20 technical experts from hydrogen fuel cell core components and testing enterprises and agencies, including KEWELL, TÜV Rheinland, MAXIMATOR, NGI, Yidu Intelligence Technology, KENSINO, Dongde Industrial, Hyclear, Hope Electronic, FUMATECH BWT GmbH, Thinkre New Material, GENERAL HYDROGEN, Shengshui New Energy, Gengchi New Energy, Hydrowell, Zoomlion, SinoFuelCell, Nowogen Technology, HENAN RELATIONS, HYDROGEN PROPULSION TECHNOLOGY, delivered speeches and discussions, providing exhibition visitors with the latest industry and cutting-edge technology content for a rich participation experience.

Date	Time	Agenda
June 18	10:00-11:40	Testing Session——Testing Technology and Solutions
	14:00-15:50	New Technology、 New Product Session
June 19	10:00-11:40	Tech Session——Technical and Application Status of Hydrogen Fuel Cell Core Components
	14:00-16:00	
June 20	09:30-11:30	Science Popularization Session



03. Exhibition Review-FCVCTalks Salon

FCVC 2025 featured “FCVCTalks Salon”, A total of five themed events were organized: 2 TechH2 Sessions, 2 Overseas Events, 1 Hydrogen Safety Session.

“**TechH2 Session**” focused on discussing the development status and trend of the hydrogen fuel cell industry, inviting partners from the hydrogen energy industry, highlighting the latest market trends, cutting-edge technologies, and hydrogen applications.

2 Overseas Events: Collaborating with **Consulate General of Canada in Shanghai**, **Canadian Hydrogen Association (CHA)**, **Provincial Government of Alberta & BC** and **Export Development Canada**, we featured “Canada Session”, to further showcase the progress of Canadian companies in the field of hydrogen energy technology and promote exchanges and cooperation between China and Canada; Planned the “Sweden Hydrogen Session” with **Business Sweden**, to further demonstrate Sweden's development in the field of hydrogen technology.

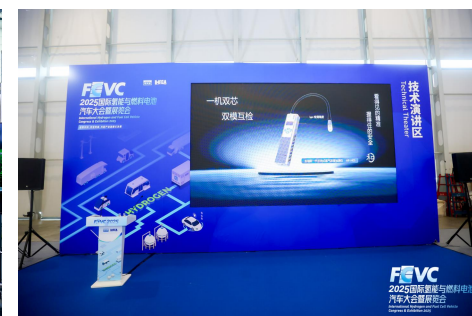
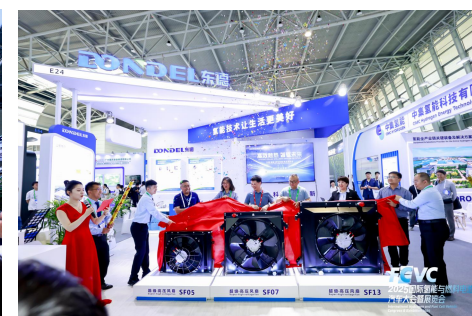
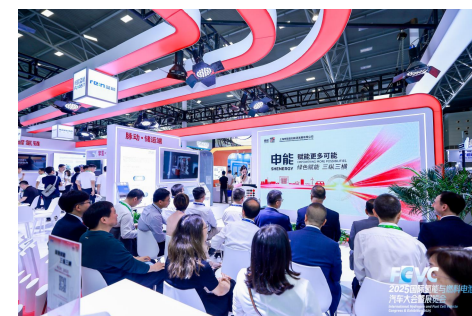


Date	Time	Agenda
June 18	10:30-12:10	TechH2 Session A
	14:00-15:00	Sweden Hydrogen Session
June 19	10:00-11:40	TechH2 Session B
	14:00-16:40	Canada Session
June 20	09:30-10:30	Hydrogen Safety Session

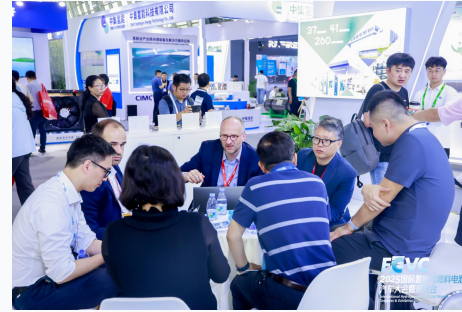
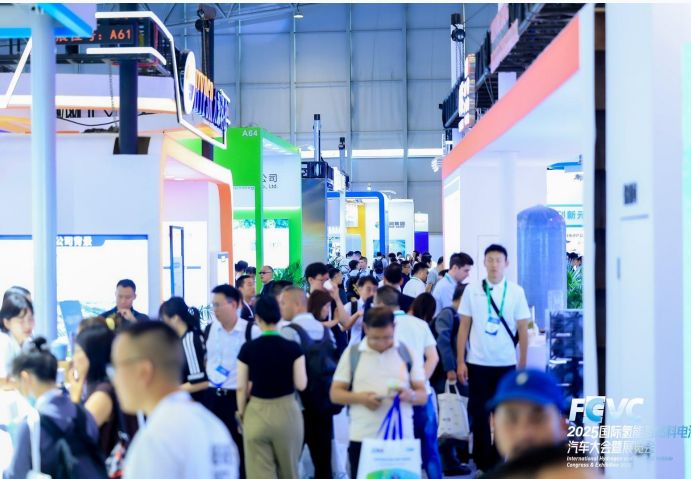
03. Exhibition Review-Launch & Signing Events

Multiple product launches and signing ceremonies at FCVC 2025 achieved the "1+1>2" effect through coordinated activities.

- Thiko Energy Group held the global debut ceremony for its 260T hydrogen mining truck at the plenary session of north exhibition hall on the morning of June 18;
- Shenergy initiated its "Green Empowerment: Three Vertical & Horizontal" thematic campaign;
- Dongde Industrial launched the "Efficient Cooling, Smart Future - Dongde Super-high Voltage Fan Product Launch";
- SEEX Technology unveiled SEEXeTECH Modular Low-Altitude Hydrogen-Powered Platform Launch Ceremony, and executed eco-partnership agreements with Suhai Group Culture & Tourism, Wujiang East Tai Lake Cultural & Sports Bureau, Qingdao Hanhe Cable and Tianneng Group;
- Hope Electronic released the "Hepu Launches World's First Versatile Handheld Hydrogen Detector HP-H05" in the technical theater in north exhibition hall.



03. Exhibition Review-Spotlight Moments



04. Concurrent Events



04. Concurrent Events

—The Fifth Session of the First Executive Board Meeting of the International Hydrogen Fuel Cell Association

The Fifth Session of the First Executive Board Meeting of the International Hydrogen Fuel Cell Association successfully convened on June 18, 2025, at Shanghai Auto Exhibition Center during FCVC 2025 through hybrid (online + offline) participation.



OUYANG Minggao (Chairman of IHFCA, Professor of Tsinghua University) attended and presided over the meeting. The meeting was attended by ZHANG Jinhua (Executive Vice Chairman of IHFCA, Chairman of China Society of Automotive Engineers), WANG Ju (Secretary General of IHFCA), Hilton Ingram (Global Head of Market Development, Valterra Platinum), ZU Sijie (Vice President and Chief Engineer of SAIC Motor Co.), Yuji Yumita (Senior Technical Executive of Toyota Motor (China)), Chen Wei (China President of Anglo American) and representatives from global council member organizations.

Following council deliberations, the meeting formally adopted **IHFCA 2024-2025 Annual Work Report** and **Proposal on Adjustments (Appointments) to IHFCA Vice Chairperson Positions**.

04. Concurrent Events

—Closed-door Meeting: The Next Policy Recommendations for Hydrogen Energy and Fuel Cell Vehicles

The Next Policy Recommendations for Hydrogen Energy and Fuel Cell Vehicles convened successfully in Shanghai on the evening of June 18. Chaired by Hou Fushen (Vice Chairman and Secretary General of China Society of Automotive Engineers), the session brought together over 50 participants including local government officials, industry experts, and enterprise representatives.

Content

Driven by national fuel cell vehicle demonstration city cluster policies, China's hydrogen industry is undergoing a critical leapfrog transition from pilot applications to commercialization. While facing bottlenecks including high hydrogen costs, insufficient cross-regional coordination, and limited application scenarios, multi-industry collaborative innovation is urgently required to establish a comprehensive ecosystem. This closed-door workshop systematically evaluated outcomes and lessons from demonstration initiatives, facilitating candid discussions on industrial challenges and constructive recommendations. Subsequent actions will refine policy proposals into formal recommendations advocating for continuous, precise and adaptable support policies to accelerate industrial advancement.



04. Concurrent Events

—Hydrogen Safety and Equipment Working Committee Meeting of the International Hydrogen Fuel Cell Association

The First Session of The Hydrogen Safety and Equipment Working Committee Meeting of the International Hydrogen Fuel Cell Association was successfully convened at Shanghai Auto Exhibition Center on June 19, 2025, concurrently with the FCVC.

- The session announced the First Committee Composition Plan for Hydrogen Safety and Equipment Working Committee Meeting of the International Hydrogen Fuel Cell Association and reviewed/adopted Draft Working Procedures for Hydrogen Safety and Equipment Working Committee Meeting of the International Hydrogen Fuel Cell Association, Master Development Plan and 2025-2026 Work Program for Hydrogen Safety and Equipment Working Committee Meeting of the International Hydrogen Fuel Cell Association.



04. Concurrent Events

—Second Session of the First IHFCA Standardization Working Committee

Gather International Consensus Build Industrial Ecology

The Second Session of the First IHFCA Standardization Working Committee was successfully held via hybrid format during FCVC 2025 on June 18. Chaired by WU Zhixin (Former Vice-President of China Automotive Technology and Research Center Co., Ltd., Foreign Academician, Russian Academy of Engineering), attendees included IHFCA Standardization Committee members, IHFCA member representatives, and invited stakeholders across the industrial chain.

Participants reviewed the Standardization Committee's annual work report, acknowledged achievements since its establishment, and discussed priority IHFCA standardization projects for 2025.

WU Zhixin, Chair of IHFCA's First Standardization Committee, outlined the Committee's strategic direction: enhancing its platform function through global perspectives and scientific organizational strengths to facilitate standards exchange and cooperation in hydrogen and fuel cell domains. Key priorities include accelerating high-quality IHFCA standard development, promoting international adoption of IHFCA standards, actively monitoring ISO/IEC standardization progress, fulfilling Category A liaison responsibilities within international frameworks, advancing global standard formulation, and thereby catalyzing industrial growth.



04. Concurrent Events

—Technical Tour & Hydrogen Bike Sharing Experience

Technical Tour

During June 19-20, FCVC organized the “**TECH Tour**”, for attendees and exhibitors, engaging over 60 industry professionals across both days. The technical visit program featured inspections at two sites: Shanghai Automotive Testing Center's R&D Platform and its Hydrogen & Fuel Cell Testing Base, showcasing Jiading's hydrogen industry advancements while enriching participants' itinerary experience.

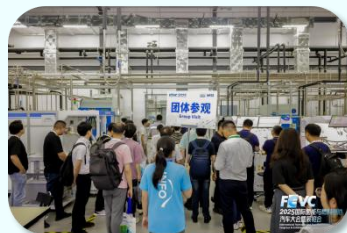
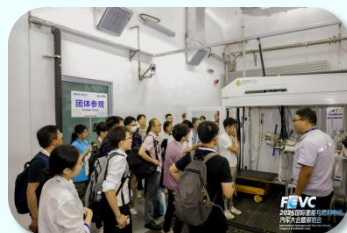
Visit Sites:

First Stop: Shanghai Automotive Testing Center R&D Platform

- Materials/Components Laboratory
- Fuel Cell Single Cell Laboratory
- Fuel Cell Stack Laboratory
- Fuel Cell System/Subsystem Laboratory

Second Stop: Shanghai Automotive Testing Center Hydrogen & Fuel Cell Testing Base

- EMC (Electromagnetic Compatibility) Laboratory
- Fuel Cell Stack/System Laboratory
- Water Electrolysis Laboratory
- Advanced Materials Laboratory
- Additional 15 specialized facilities including: Light/Heavy-duty Vehicle Chassis Dynamometer Environmental Chambers, Fuel Cell Vehicle 4WD Powertrain Laboratory, Fuel Cell Engine Laboratory.
- Jiading Hydrogen Port Refueling Station



Hydrogen Bike Sharing Experience

FCVC 2025 partnered with **Suzhou SEEEX Technology Co., Ltd.** to debut the "**Hydrogen Bike Sharing Experience**", engaging approximately 1,000 attendees, visitors, and exhibitors over three days. The next-generation hydrogen-assisted bicycle "SeeH-Ebike LightRide" premiered with an aerodynamic frame, featuring an intelligent power system that senses real-time pedaling torque and achieves stepless transmission through hydrogen-electric synergy.



04. Concurrent Events

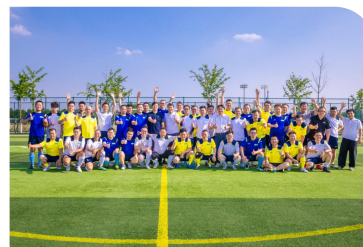
—Science Popularization Events & Hydrogen Football Friendship Match

Science Popularization Events

In collaboration with Hyundai Motor Group, FCVC 2025 conducted a “**Hydrogen Science Popularization Events**” in the technical theater. **Over 40** teachers and students from **Shanghai Jiao Tong University Affiliated Experimental Primary School** participated, enhancing environmental awareness through hydrogen education to become green energy advocates.



Hydrogen Football Friendship Match



On the afternoon of June 17, the “**H2-Powered Pitch Play**” – FCVC 2025 Football Friendship Match – was successfully held at Shanghai Civic Sports Park.

This football friendly match served as an athletic bond to create an industry networking platform integrating professionalism, interactivity, and entertainment. It attracted **over 50** executives from across the hydrogen and fuel cell vehicle value chain, technical experts, and institutional representatives, who competed in three teams: the Blue Team "Hydrogen Vanguard", Yellow Team "Lightfoot Striker", and White Team "EffortH2".

Pre-match ceremonies featured an address by **ZHAO Lijin, Deputy Secretary General of China Society of Automotive Engineers**, representing the FCVC Organizing Committee. **SHEN Si, Former Chinese National Football Team member**, provided professional coaching and motivational support to players.

05. Marketing and Media



05. Marketing and Media

01

Media Partners

45 Media Partners: CCTV, CHINA HIGH-TECH INDUSTRY HERALD, China.org.cn, China Daily, ECONOMIC INFORMATION DAILY, GMW.CN, CRI Online, CNR, China Industry News, 21st Century Business Herald, China Automotive News, China Energy News, CLS, National Business Daily, CBN, Shanghai Securities News, Shanxi Satellite Television, etc.

53 reporters attended and participated in activities such as conference coverage and high-level interviews

02

Live Broadcasting

Plenary Session: **26** units of live broadcasting, including CHINA SCIENCE COMMUNICATION, SciMall, HOME OF SCI WORKERS, CHINA HIGH-TECH INDUSTRY HERALD, China.org.cn, 21st Century Business Herald, China Automotive News, CBN, Sina Finance, Sina Auto, eastmoney.com, We-media platforms of China SAE, IHFCA and FCVC Channer. **2.2 million+** online watching.

Hydrogen Football Friendship Match: FCVC Channel, TrendBank, h2weilai.com, with more than **10,000** online guests

03

Spot Coverages

110+ Interviews in total

15 Exclusive interviews for sponsors, **30** Exhibitors video interviews, **70+** Video interviews with industry media



05. Marketing and Media

04

Content Output

- 1 CCTV reported, 1 Local satellite TV report
- 15 Core press releases 500+ Original manuscript & video 8,000+ Press releases
- 30+ Posters and long drawings for conferences and exhibitions

05

Promotion Channels

- 260,000 Official website views 1 million+ WeChat Ads impressions
- 300+ Ems-cnpl article 150,000+ Total reading
- 530,000+Edm&Sms
- 1 million+ PR script readings 1,500+ visitors invited by the exhibitors

06

Exhibition On-site Activities

FCVC WALK and H2Lab



05. Marketing and Media

Official Publicity Platforms



科技工作者之家
HOME OF SCIENTISTS AND TECHNOLOGY WORKERS



AUTOMOTIVE
INNOVATION

Special Acknowledgment Media



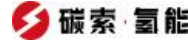
CHINA DAILY



Strategy Media Partners



Media Partners





2025国际氢能与燃料电池 汽车大会暨展览会

International Hydrogen and Fuel Cell Vehicle
Congress & Exhibition 2025

凝聚共识、攻坚克难、共促产业规模化发展



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