

2026 江苏·昆山
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Kunshan, Jiangsu



第十届中国国际氢能及燃料电池汽车大会

The 10th International Hydrogen and Fuel Cell Vehicle Congress

Post Show Report



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Event Overview

01.Event Overview-Past Review



2017.11.09-10 Rugao, Jiangsu



FCVC 2017

- 1 Plenary Session
- 4 Forums
- 1 Working Group Meeting
- 1,100 Delegates
- 16 Exhibitors

2019.09.26-28 Rugao, Jiangsu



FCVC 2019

- 1 Plenary Session
- 6 Forums 5 Side Events
- 1,500 Delegates
- 111 Exhibitors
- 10,000 m² Exhibition Area
- 4,233 Professional Visitors

1ST

FCVC 2016

2016.11.07-08 Beijing

- 1 Plenary Session
- 4 Forums
- 1 Working Group Meeting
- 500 Delegates



2ND

3RD

FCVC 2018

2018.10.23-25 Rugao, Jiangsu

- 1 Plenary Session
- 1 Leadership Forum
- 5 Forums
- 1,500 Delegates
- 52 Exhibitors
- 6,000 m² Exhibition Area
- 2,626 Professional Visitors

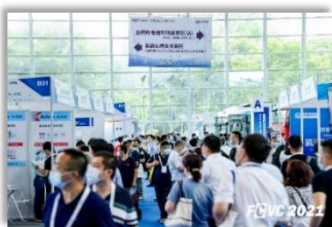


4TH



01.Event Overview-Past Review

2021.06.08-10 Jiading, Shanghai



2024.06.04-06 Jiading, Shanghai



FCVC 2021

1 Plenary Session **8** Forums
2 Side Events **1,100** Delegates
228 Exhibitors
14,000 m² Exhibition Area
7,358 Professional Visitors

FCVC 2024

1 Plenary Session **7** Forums
5 Concurrent Sessions
1,000+ Delegates
302 Exhibitors
25,000 m² Exhibition Area
12,292 Professional Visitors

5TH

FCVC 2020

1 Plenary Session **4** Forums
1,000 Delegates
127 Exhibitors
10,000 m² Exhibition Area
5,567 Professional Visitors

6TH

FCVC 2021

7TH

FCVC 2023

1 Plenary Session **8** Forums
3 Closed-door Summits
1,200+ Delegates **300** Exhibitors
20,000 m² Exhibition Area
9,643 Professional Visitors

8TH

FCVC 2024

9TH

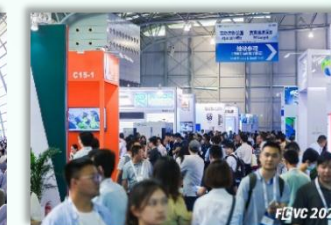
FCVC 2025

2 Plenary Session **6** Forums
4 Concurrent Sessions
800+ Delegates **266** Exhibitors
25,000 m² Exhibition Area
8,696 Professional Visitors

2020.09.14-16 Jiading, Shanghai



2023.07.05-07 Jiading, Shanghai



2025.06.18-20 Jiading, Shanghai





01. Event Overview-2026 Past Review

The 10th International Hydrogen and Fuel Cell Vehicle Congress & Exhibition 2026 (FCVC 2026) was held during **June 10-12, 2026** in Huaqiao International Expo Center, Kunshan City, Jiangsu Province. As one of the most influential gatherings in the global hydrogen and fuel cell sector, the topic of FCVC 2026 was "**A New Chapter for Hydrogen: Whole-Chain Synergy to Cultivate Future Industries**" consisted of "1 Plenary Sessions, 4 themed forums and 2 concurrent sessions", Alongside the event, a technical exhibition with an area of 25,000m² showcased 208 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.**





01. Event Overview-2026 Sponsors

Special Thanks



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02

Conference Review





02.Conference Review-Meeting Overview

Conference Theme: A New Chapter for Hydrogen: Whole-Chain Synergy to Cultivate Future Industries

June 10

Plenary Session

Thematic Forum

✓ Clean Hydrogen Supply Network and Cost Control

Concurrent Session

✓ The Sixth Session of the First Executive Board Meeting of the International Hydrogen Fuel Cell Association and the Global Hydrogen Industry Development Symposium

Welcome Dinner

June 11

Thematic Forums

✓ Industry Trend for Hydrogen Parity

✓ Technology Innovation and Industrialization Development of Fuel Cell Vehicles

June 12

Thematic Forum

✓ Innovation Trajectory: From Hydrogen Corridors to Cross-Regional Multi-Scenario Demonstration





02. Conference Review-Plenary Session

- The plenary session brings together stakeholders from government, industry, academia and research sectors to conduct in-depth discussions on core topics including macro strategies, key technologies, multi-scenario commercialization, international experience and local pilot projects. The conference was attended by 2 academicians, 7 government leaders, and more than 30 executives from industry associations and enterprises at home and abroad.
- Senior executives from six international organizations and leading enterprises including the United Nations Industrial Development Organization (UNIDO), SAIC Motor, Hyundai Motor, Faurecia and FTXT Energy delivered special keynote speeches.

Academicians & Government Leaders

- WAN Gang, President of the China Association for Science and Technology (CAST)
- ZHANG Bin, Deputy Director-General, International Cooperation Department, China Association for Science and Technology
- ZHU Baowei, Director, Energy Policy Division, Department of Economic Construction, Ministry of Finance
- CHEN Hong, Deputy Secretary-General & Director of Research Office, Jiangsu Provincial Committee of the Chinese People's Political Consultative Conference
- ZHAO Jianguo, Party Secretary & Vice Chairman, Jiangsu Association for Science and Technology
- ZHANG Dongchi, Vice Chairman, Suzhou Municipal Committee of the Chinese People's Political Consultative Conference Chairman, Suzhou Committee of the 93 Society
- YANG Fan, Party Secretary & Vice Chairman, Suzhou Association for Science and Technology
- OUYANG Minggao, Professor of Tsinghua University, Chairman of International Hydrogen Fuel Cell Association (IHFCA)
- LU Jian, Academician of the National Academy of Technologies of France, Fellow of the National Academy of Inventors, Chair Professor of City University of Hong Kong

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
- Samuel FOURNEAUX, Global Director, Hysecto
- Nishaanth BALASHANMUGAM, CEO and Director, GH2 India
- Khaled NAGEIB, CEO, Hydrogen Egypt Association

Industry Organizations & University Experts

- ZHANG Jinhua, Chairman of China Society of Automotive Engineers, Standing Vice Chairman of International Hydrogen Fuel Cell Association (IHFCA)
- HOU Fushen, Vice Chairman and Secretary General of China Society of Automotive Engineers
- YU Zhuoping, Professor of Tongji University
- WANG Ju, Secretary General of International Hydrogen Fuel Cell Association (IHFCA)
- ZHAO Lijin, Vice Secretary-general of China Society of Automotive Engineers



02. Conference Review-Plenary Session



President of the China Association for Science and Technology (CAST)
WAN Gang

WAN Gang stated that developing hydrogen energy and fuel cell vehicles is an important pathway for the low-carbon transformation of energy and transport, and has become a significant strategic choice in the global response to climate change and the advancement of green economic growth. He also pointed out the need to fully consolidate experiences from demonstration and deployment, seize opportunities in the future hydrogen energy industry, coordinate cross-regional and cross-sector promotion and application of hydrogen energy and fuel cell vehicles, and continuously improve the entire hydrogen supply chain system and the industry development environment. He stressed the importance of continuously deepening high-level global openness and cooperation to achieve scaled, high-quality development of the hydrogen energy and fuel cell vehicle industry, thereby making new contributions to global sustainable development.



Professor of Tsinghua University, Chairman of International Hydrogen Fuel Cell Association (IHFCA)
OUYANG Minggao

Academician OUYANG Minggao stated that under the global carbon neutrality goal, hydrogen energy, as a clean and efficient energy source, serves as a key carrier for renewable energy consumption, deep decarbonization of industries, and green transformation of transport. China is leading the global renewable energy revolution, and the next five years will be an important window of opportunity for breakthroughs in hydrogen energy, energy storage, and smart technologies. He also noted that, from a system structure perspective, new energy powertrain systems and new energy electric power systems, as the two core pillars of the new energy revolution, empower and synergize with each other. A zero-carbon energy system based on the coupling of hydrogen energy and green electricity technologies has become a breakthrough point.



Chairman of China Society of Automotive Engineers, Standing Vice Chairman of International Hydrogen Fuel Cell Association (IHFCA)
ZHANG Jinhua

ZHANG Jinhua pointed out that hydrogen energy is a vital component of a clean, low-carbon, safe, and efficient modern energy system, and an important carrier for promoting the large-scale consumption of renewable energy, deep decarbonization of the industrial sector, and green transformation of transportation. The automotive industry, as the most concentrated intersection of the energy revolution, technological revolution, and industrial transformation, is not only the main battleground for the green and low-carbon transformation of transport, but also a critical breakthrough point for hydrogen energy technology validation, scenario-driven deployment, and large-scale application.



Executive Head of Marketing, Valterra Platinum
Hilton Ingram

Hilton Ingram stated that over the past decade, FCVC has played a pivotal role in advancing China's hydrogen energy industry. The first demonstration cycle of fuel cell vehicle city clusters has been successfully completed, and tangible progress has been made in the technology maturity and cost control of China's hydrogen energy industry. With the implementation of a new round of industry support policies, the sector will open a new chapter of development. He called on the entire industry to integrate resources and work together to build a sustainable hydrogen ecosystem and a hydrogen society.



Academician of the National Academy of Technologies of France, Fellow of the National Academy of Inventors, Chair Professor of City University of Hong Kong
LU Jian

Academician LU Jian shared breakthroughs achieved in the field of high-efficiency hydrogen energy catalysts. This catalyst system features a unique labyrinth-like patterned nanostructure, which can significantly enhance the catalytic activity and stability under high current for both water electrolysis hydrogen production and fuel cell oxygen reduction reaction (ORR). This technology provides a key disruptive solution for efficient green hydrogen production and for reducing the cost of fuel cell catalysts by 50–70%, and is expected to support the large-scale application of the hydrogen energy industry in China and globally.



02. Conference Review-Plenary Session

Thematic Speech



UNIDO
Petra SCHWAGER

Although hydrogen energy holds immense potential, fragmented standards, slow infrastructure development, and stark disparities in investment are hindering its progress. Only by deepening global policy dialogue and industry coordination can hydrogen energy be transformed from a "high-cost vision" into a "cost-competitive and resilient solution."



SAIC Motor
ZU Sijie

Facing the "15th Five-Year Plan" period, the hydrogen energy industry must undergo a profound transformation: Shifting from being primarily policy-driven to market-driven; from demonstration-based applications to large-scale commercialization; and from catching up and keeping pace to leading global industrial development.



Hyundai Motor Group
Ina LEE

The hydrogen energy industry urgently requires stable policy continuity, the expansion of applications beyond the transport sector (such as regulatory sandbox innovations), and strengthened targeted financial support. Only the synergy of these three elements can accelerate technology maturation and large-scale development.



GWM FTXT
Will ZHANG

The driving force for enterprise development must shift from policy-supported transfusion to market-based self-sufficiency, with enterprises relying on closed commercial loops for survival. The industrial structure must move from low-end cut-throat competition to innovation-driven leadership, with resources concentrating on leading enterprises and core technologies. The market landscape must transition from domestic pilot projects to integrated domestic and international operations, establishing a foothold in China while expanding overseas.



FHS China
Frank PAN

Fuel cell vehicles can effectively address the limitations of current battery electric heavy-duty truck technology, which cannot cover long-haul, heavy-load, and cold-chain freight scenarios. Hydrogen energy application scenarios are expanding from the transport sector to multiple fields such as energy, industry, and data centers.



University of Québec at Trois-Rivières
Mikaa BLUGEON-MERED

Despite the macro challenges posed by global inflation and geopolitical conflicts, the hydrogen energy industry has moved beyond theoretical validation into a new phase of scaled development. Countries are accelerating their deployment based on the dual considerations of economic viability and strategic security. With robust investment momentum and a strong industrial ecosystem, China is becoming a front-runner in this global wave of hydrogen energy.

02. Conference Review-Plenary Session

Panel Discussion

LIU Heng, Senior Technical Adviser, Division of Climate and Technology Partnership, UNIDO, Mark FREED, Global Head of Market Development, Valterra Platinum, Samuel FOURNEAUX, Global Director, Hysetco, Nishaanth BALASHANMUGAM, CEO and Director, GH2 India, Khaled Nageib, CEO, Hydrogen Egypt Association, participated in a panel discussion on "Global Hydrogen Cooperation for a Connected Ecosystem".

All panel participants agreed that hydrogen energy has moved from theoretical validation to large-scale practice. Although the driving forces vary among countries, all recognized that China's ecosystem completeness and manufacturing strength serve as a global benchmark. The key to the future lies in deepening international collaboration—unifying standards, sharing experiences, and coordinating supply and demand—so that hydrogen energy can truly become a borderless zero-carbon solution.





02.Conference Review-Thematic Forum 1: Clean Hydrogen Supply Network and Cost Control

On the morning of June 10, the thematic forum of the 2026 International Hydrogen and Fuel Cell Vehicle Conference (FCVC 2026) was held at the Huaqiao International Expo Center. The thematic forum "**Clean Hydrogen Supply Network and Cost Control**", was chaired by Professor Yang Fuyuan of Tsinghua University. Numerous experts and scholars gathered together to conduct in-depth exchanges on key aspects such as hydrogen production, storage and transportation, international certification, and safety control, jointly exploring the clean, large-scale, and commercial development of the hydrogen energy industry.



On-site Photo



Vice President of Horizon New Energy Technologies Pte.
Alex ZHANG

AEM technology offers both cost and performance advantages, but currently, high-power AEM electrolyzers still face engineering challenges including large-area membrane preparation, assembly, and consistency control.



Technical Expert of Hydrogen & Fuel Cell, Solar & Commercial Products, Greater China, TÜV Rheinland Group
ZHANG Hao

The global electrolyzer market is growing rapidly, with multiple parallel technology routes and fragmented regional certification standards. It is advised that enterprises plan a global compliance strategy in advance to overcome technical and regulatory barriers to overseas expansion.



Researcher of Beijing Institute of Aerospace Testing Technology
BU Yu

Liquid hydrogen possesses advantages including high storage density, low system pressure, and low storage and transportation costs. Currently, full-chain liquid hydrogen demonstration projects have been established in multiple regions. In the future, equipment localization should be continuously advanced, and policies and standards should be improved.



Senior Scientist of Aramco
Frank T. HONG

China's green hydrogen industry is substantial in scale, yet it faces an imbalance between green electricity consumption and electrolyzer utilization. It is recommended to optimize the ratio of electrolyzers to renewable energy, balancing economic benefits with environmental sustainability.



General Manager of Beijing Tianhai Hydrogen Energy Equipment
ZHANG Zengying

High-pressure gaseous hydrogen storage is developing towards 70 MPa high pressure, lightweight design, and high hydrogen storage density. Products are undergoing significant weight reduction and driving range improvement, and are expanding to scenarios such as ships and stationary hydrogen storage.



Director of Safety Management Department, To High Hydrogen Testing (Baoding)
SUN Hui

Hydrogen energy enterprises should continuously enhance their safety management systems, take effective measures to mitigate hazards such as hydrogen embrittlement and explosion-proof equipment selection, and improve the reliability of equipment in the hydrogen energy industry.

02. Conference Review-Thematic Forum 2: Industry Trend for Hydrogen Parity

On the morning of June 11, the thematic forum "Industry Trend for Hydrogen Parity" was successfully held, moderated by Liu Xiaoshuang, China Market Development Director of Valterra Platinum Limited. Focusing on the key pathways for the scaling, commercialization, and cost-competitiveness of hydrogen energy, the forum invited guests from energy companies, investment institutions, operators, and technology firms to engage in in-depth discussions on topics such as industrial investment, operational practices, regional ecosystems, hydrogen swapping technology, green fuels, and the path to parity for clean, low-carbon hydrogen.



On-site Photo



Principal Market Development, Valterra Platinum LIU Xiaoshuang

The hydrogen energy industry is currently transitioning from early-stage demonstrations toward scenario-based deployment, cost optimization, and industrial closed loops. How to shift hydrogen energy from "policy-driven" to "market-driven," from "demonstration projects" to "business models," and from "single-point breakthroughs" to "systematic collaboration" has become a key topic of common concern for the industry.



Global Director, Hysetco Samuel Fourneaux

Hydrogen-powered transportation is not a single-technology application but a systemic business that highly depends on ecosystem synergy. Vehicles, infrastructure, operational management, capital investment, and customer demand must advance in tandem. For high-intensity operational scenarios, hydrogen energy offers advantages such as rapid refueling, long range, and high vehicle availability, which can complement battery electric solutions.



Technical Director, Shanghai Jiening New Energy Technology Development Co., Ltd. WANG Dongyu

Currently, the commercialization of fuel cell vehicles still faces challenges such as high end-user hydrogen prices, long approval cycles for hydrogen refueling stations, and low refueling efficiency. The hydrogen swapping model, by simplifying the hydrogen supply chain, can reduce end-user hydrogen costs and improve refueling efficiency.



Investment Principal, Aramco Ventures Henry XU

Hydrogen energy projects must not focus solely on the production side; they must also comprehensively consider transport, procurement, certification, financing, and system operation capabilities. As the industry advances from demonstration applications to commercial validation, the focus of capital will also shift from grand narratives to real customers, real operating conditions, and real costs.



Deputy General Manager and Director of Strategic Development, Lingniu Hydrogen Technology (Shanghai) QIN Ting

Hydrogen-powered transportation is shifting from trials involving multiple vehicle models to a focus on competitive vehicle types and competitive scenarios, with the importance of commercial vehicle scenarios becoming increasingly prominent. Going forward, hydrogen refueling stations should be precisely positioned based on application scenarios, a relatively stable hydrogen pricing mechanism should be promoted, vehicle-station-hydrogen source coordination should be strengthened, and mutual recognition of cross-regional expressway policies should be explored.



Panel Discussion: The Cost Parity Pathway for Greener and Low-carbon Hydrogen

ZHANG Shuai, Partner, SHANGHAI YONGHUA INVESTMENT MANAGEMENT CO., LTD, moderated the discussion. Maggie PU, Founder, Lingniu Hydrogen Technology (Shanghai) Co., Ltd., Hu Junming, Deputy General Manager of HydoTech, Khangzhen LEOW, Investment Associate, AP Ventures, and Tang Junke, Deputy General Manager of SinoHyKey Technology Guangzhou Co., Ltd., exchanged views on topics including the commercial closed loop of the hydrogen energy industry, the green fuel market, European green premium mechanisms, cost reduction of key materials, and the expansion of end-use scenarios.



02. Conference Review-Thematic Forum 3: Technology Innovation and Industrialization Development of Fuel Cell Vehicles

On the afternoon of June 11, Thematic Forum 3 "Technology Innovation and Industrialization Development of Fuel Cell Vehicles" was successfully held, chaired by MING Pingwen, Professor at Tongji University. Ten experts from FAW, Deepal, Qingling Motors, Umicore, THIKO, Tsinghua University, the National Hydrogen Energy Quality Inspection and Testing Center, SHPT, Shanghai International Automobile City, and Extreme H delivered keynote speeches, with over 200 delegates attending the session.



Director, Hydrogen Energy Industry Development Office (Strategy and Cooperation Department, FAW Group)
LIU Jiangwei

Commercial vehicles are key to transport decarbonization. Heavy-duty commercial vehicles account for 65% of carbon emissions from commercial vehicles, and a single technology route cannot cover all complex scenarios. FAW Jiefang is deploying three major power domain platforms—port fuel injection hydrogen internal combustion engine, low-pressure direct injection hydrogen internal combustion engine, and ammonia-hydrogen fusion internal combustion engine—to promote the parallel development of multiple hydrogen energy technology routes.



Manager of Deepal Automobile Technology Co., Ltd.
LI Yu

Fuel cell passenger cars possess advantages such as long range, rapid refueling, and strong low-temperature adaptability, but large-scale deployment still requires policy support and cost reduction across the entire industry chain.



Deputy General Manager of Qingling Motors Co., Ltd.
MA Chongshan

Against the backdrop of rapid growth in battery electric heavy-duty trucks and pressure on hydrogen fuel cell heavy-duty trucks, liquid hydrogen is a critical pathway for breaking through in long-distance trunk line and heavy-load, high-intensity scenarios. Through high-density onboard hydrogen storage, highly integrated power systems, intelligent thermal management, and multiple safety protection solutions, it is possible to achieve increased gravimetric energy density of liquid hydrogen storage and loss-free hydrogen storage.



Global R&D Head Fuel Cell, Umicore
Dr. Michael BENDER

The third-generation cathode catalyst, through tailored pore size and interconnected mesoporous structures, reduces mass transport limitations and protects active sites, achieving simultaneous improvements in performance and durability compared to GEN1 products. At the same precious metal loading, it can effectively improve energy efficiency and reduce total lifecycle usage costs.



Vice President and CTO, Thiko Energy Group
QI Zhigang

Fuel cell vehicles are currently being squeezed by both the mature ecosystem of internal combustion engine vehicles and the rapid growth of battery electric vehicles. In the short term, they should avoid homogeneous competition and focus on rigid-demand scenarios such as ports and mining areas, intercity trunk lines, and low-temperature cold regions, leveraging their advantages of 5–15 minute rapid refueling, 500–1,000 km long range, and cold start capability below -30°C.



Director of the Institute of Vehicle Power and Smart Energy, Tsinghua University
XU Liangfei

For scenarios such as long-haul heavy-duty transport and stationary power generation, PEM fuel cells need to evolve towards higher power, higher efficiency, and longer lifespan, with a lifespan target of 15 years / 80,000 hours by 2040.



Deputy Director & Technical Principal, National Hydrogen Energy Power Quality Inspection and Testing Center
MAO Zhanxin

The scale-up of fuel cell vehicles imposes higher requirements on EMC. System power is moving towards 300 kW+ with power density reaching ≥3.5 kW/L, yet the EMC first-pass rate remains below 5%, making it a critical bottleneck for mass production homologation.



Deputy General Manager, Shanghai Hydrogen Propulsion Technology Co., Ltd.
HOU Zhongjun

During the "14th Five-Year Plan" period, automotive fuel cells have achieved systematic breakthroughs spanning core technology, mass production capability, and a domestic supply chain, with fuel cell failure-free mileage exceeding 100,000 kilometers. In the "15th Five-Year Plan" phase, long-range heavy-duty commercial vehicles and hydrogen energy highways/corridors will become the focus for industrialization breakthroughs.



Deputy Director of the New Energy Division, Shanghai International Automobile City (Group) Co., Ltd.
Emma ZHAO

Shanghai, together with Suzhou, Nantong, Jiading, Zibo, Ordos, and the Ningdong Chemical Industrial Park, has formed a "1+6" demonstration city cluster. During the demonstration period, over 5,600 new fuel cell vehicles were added, cumulative pure hydrogen operation mileage exceeded 140 million kilometers, nearly 40 new hydrogen refueling stations were built, and independent breakthroughs were achieved in eight core components.



Managing Director, Extreme H
Ali RUSSELL

Extreme H is a technological evolution based on the Extreme E electric off-road racing series, aiming to use racing as a platform to demonstrate the application potential of green hydrogen in production, storage and transportation, refueling, and fuel cell powertrain.



02. Conference Review-Thematic Forum 4: Innovation Trajectory: From Hydrogen Corridors to Cross-Regional Multi-Scenario Demonstration

On the morning of June 12, the thematic forum "From Hydrogen Highways to Cross-Regional Multi-Scenario Demonstration: Innovative Pathways" was successfully held. The forum focused on the leap from **"Innovation Trajectory: From Hydrogen Corridors to Cross-Regional Multi-Scenario Demonstration"**, inviting authoritative experts from research institutes and leading enterprises to share practical experiences from pioneering demonstration regions in China and globally. It explored new models of government-enterprise cooperation, such as road access liberalization and expressway toll reductions, aiming to connect "multi-dimensional scenarios" through "hydrogen trunk routes" and unlock a key link in the commercial operation of hydrogen energy. The thematic forum was chaired by Professor Yu Zhuoping of Tongji University, Executive Director of the International Hydrogen Fuel Cell Association.



On-site Photo



Chief Expert of China Automotive Technology and Research Center Co., Ltd., Deputy Director of China Automotive Strategy and Policy Research Center
FANG Haifeng

The "15th Five-Year Plan" period represents a critical window for the construction of hydrogen highways. Efforts can be driven along four pathways—network integration, policy coordination, scenario diversification, and market-based operation—to shift the industry from policy guidance to market orientation and realize the cross-regional, large-scale operation of fuel cell vehicles.



Deputy Director of Beijing Hydrogen Energy Industry Innovation Center
YANG Jun

The fuel cell vehicle demonstrations during the "14th Five-Year Plan" period achieved positive results, but the industry still faces a vicious cycle of "high cost—limited application—small industry scale—high cost." Future development needs to focus on trunk freight scenarios, scientifically plan hydrogen highway networks, and emphasize policy coordination.



Associate Research Fellow, North China Electric Power University
LI Jia

Hydrogen distributed energy supply systems integrate multiple technologies, including water electrolysis hydrogen production coupled with renewable energy, the linkage of fuel cells and hydrogen internal combustion engines, and integrated source-grid-load-storage microgrids. The innovative fusion of multiple pathways highlights the value of large-scale application, providing a feasible solution for the low-carbon transformation of the energy sector.



Deputy Manager of Hydrogen Energy Technology, Advanced Pre-research Institute (In Preparation), Dongfeng R&D General Institute
WANG Xiaozhou

Onboard hydrogen storage using liquid hydrogen and 70 MPa high-pressure gaseous hydrogen can reach 125 kg, supporting a range of 1,700 kilometers for hydrogen fuel cell heavy-duty trucks. The well-to-wheel efficiency of hydrogen fuel cell heavy-duty trucks can reach 40%, enabling a longer driving range for the vehicle.



Chief Fuel Cell Engineer, Yutong Bus Co., Ltd.
ZHANG Longhai

As fuel cell power and efficiency continue to improve and hydrogen highway toll exemption policies are extended, the focus should be on medium- and long-distance, high-timeliness scenarios, ultimately achieving the goal of "hydrogen going further than battery electric and being cheaper than oil."



Assistant General Manager and Technical Director, State Power Investment Corporation Hydrogen Energy Tech
CHEN Ping

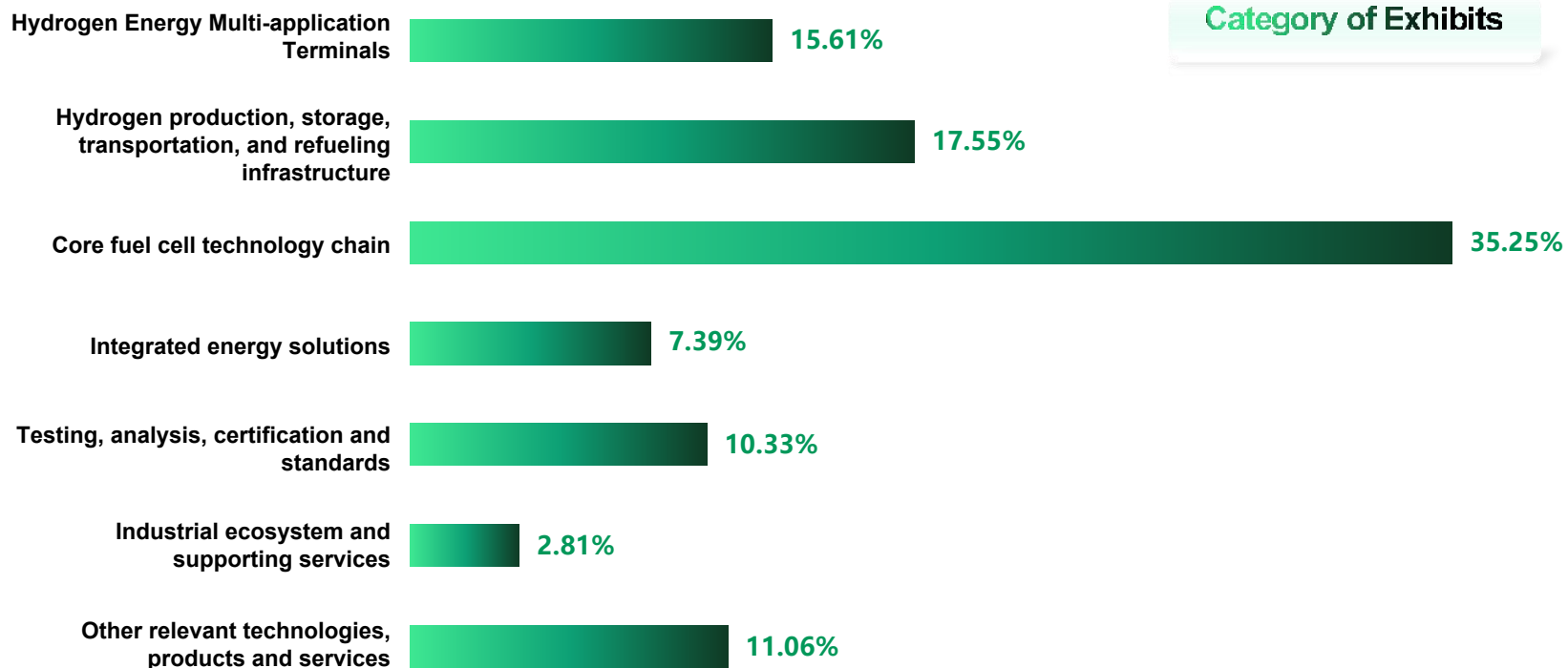
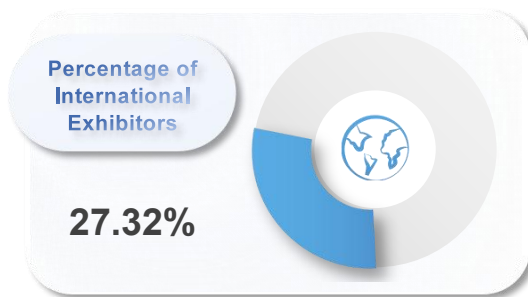
The green hydrogen-based energy industry should take the "1+N+X" panoramic ecosystem as its core approach, building a scenario-driven industrial closed loop. By breaking through in transport, using industry as the foundation, and extending through innovation, it will promote the coordinated development of the entire hydrogen energy chain.

03

Exhibition Review



- **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 **208** exhibitors, **53** are new exhibitors, accounting for **28.96%**. There are **50** international enterprises and brands, accounting for **27.32%**, with overseas pavilions from **South Korea, Netherlands**, etc., and dedicated exhibition zones for hydrogen energy equipment and Hydrogen Energy Multi-application Terminals Experience Zone.
- **Category of Exhibits:** It brings together cutting-edge innovations throughout the hydrogen energy industrial chain, comprehensively demonstrating technological breakthroughs and application practices of hydrogen energy in multiple scenarios such as aviation, logistics, UAVs, energy storage and shuttle transport. Fuel cell vehicles and other end-user applications account for **15.61%** of all exhibits; fuel cell systems and stacks account for **23%**; products related to hydrogen production, storage, transportation and hydrogen refueling infrastructure take up **17.55%**.





03. Exhibition Review-Exhibitors

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Number of Visitors

8,989

Total visits (in 3 days)

30,671 visits

10 June – 12 June



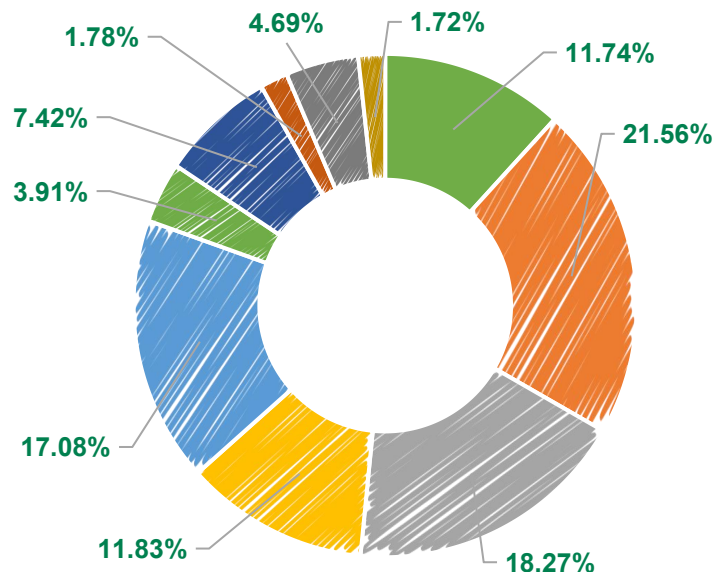
51.57%

of visitors were from vehicle manufacturers, fuel cell stack systems, and hydrogen production, storage, and transportation companies.

24.26% of visitors were from management, 26.83% of visitors were from management



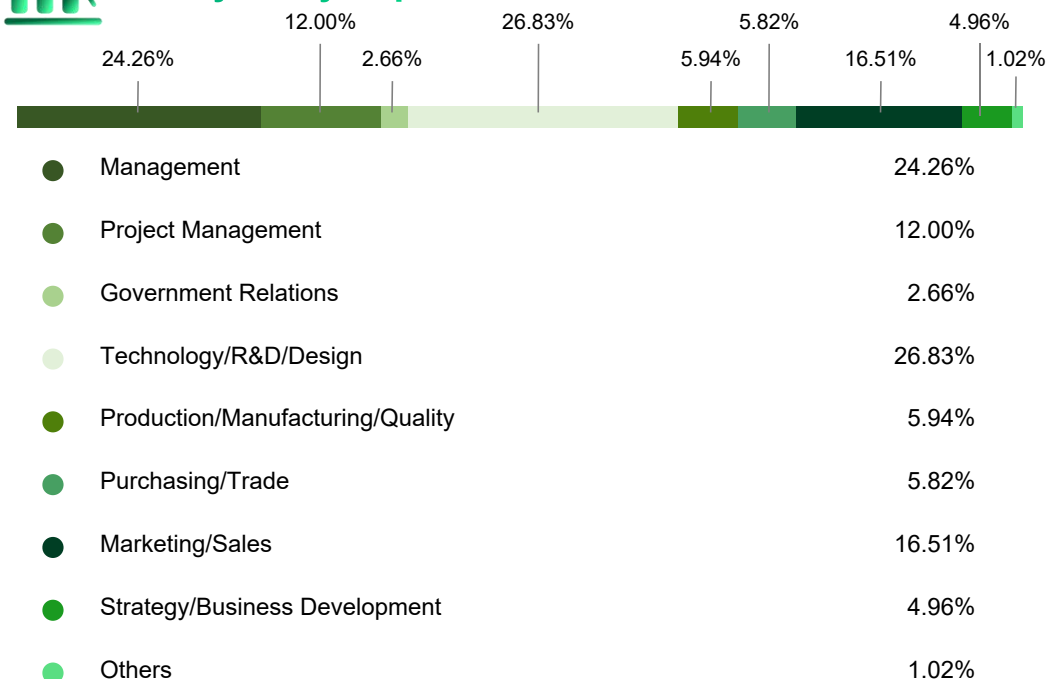
Analysis by company



- Manufacturers of complete vehicles, UAVs and other end-use applications
- Fuel cell stack and system developers
- Suppliers of hydrogen production, storage and transportation equipment
- Fuel cell test related equipment suppliers
- Core components and raw material suppliers
- Local governments/Overseas organizations
- Scientific research/Universities/Industrial institutions
- Media/News/Distribution agencies
- Consulting/Investment agencies
- Others



Analysis by department

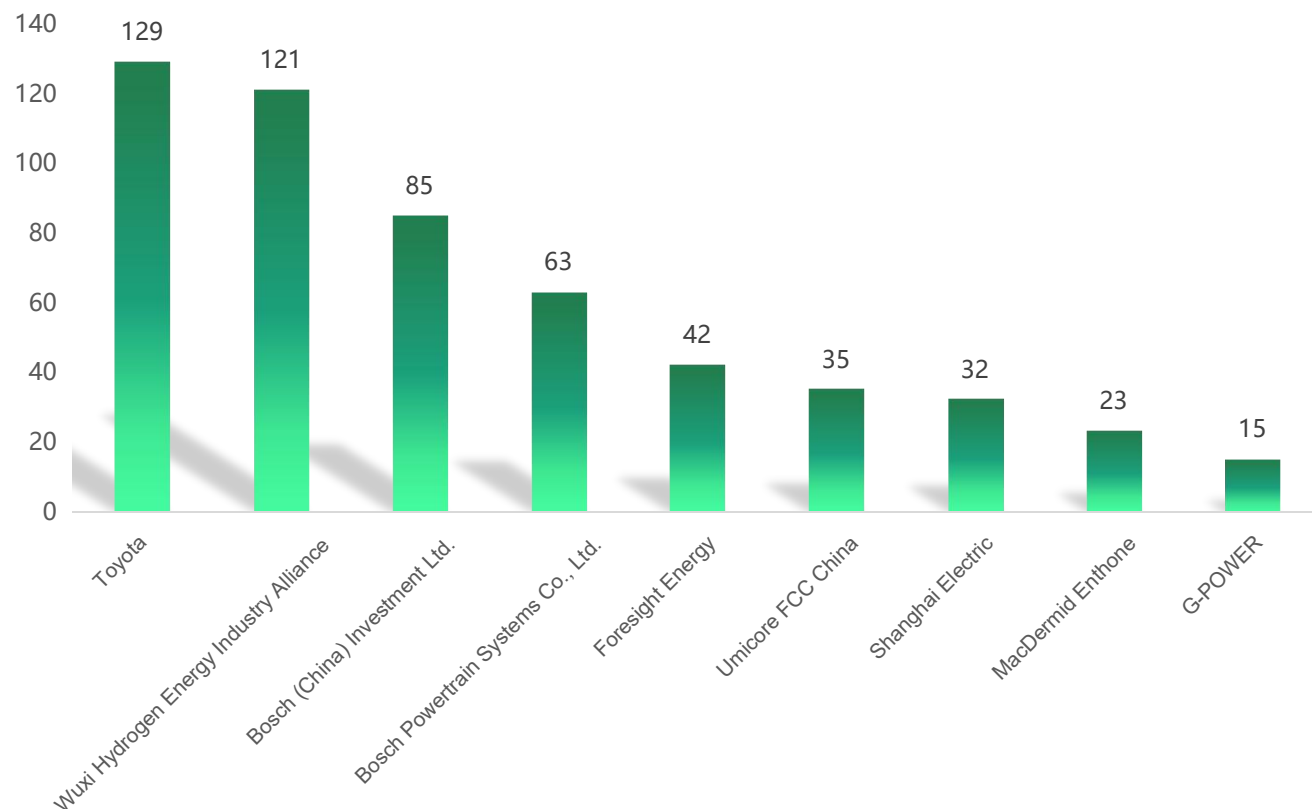




03. Exhibition Review-Group of Visitors

FCVC 2026 organized **22** 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:

- KENSINO
- DENSO (CHINA)
- PUJIANG COUNTY INVESTMENT GROUP
- Shanghai Yongcheng Experimental Instrument
- Hengst
- JETRO



03. Exhibition Review-Technical Theater

As a highlight of the FCVC 2026, the Technical Theater in 2026 continues to maintain its "high popularity.

“**Technical Theater**” organized 3 themed events: **1 Tech Session**、**1 Testing Session**, and co-organized **1 Overseas Session** with HZ Connection. Over 20 technical experts from hydrogen fuel cell core component, testing, solution providers and other relevant enterprises and institutions were invited to deliver speeches and discussions, conduct multi-dimensional in-depth analysis, and offer on-site attendees forward-looking judgments on industry trends and practical strategies to resolve industrial bottlenecks.



Agenda

June 10

10:00-16:00

Tech Session

Technical and Application Status of Hydrogen Fuel Cell Core Components

June 11

10:00-11:20

Testing Session

Testing Technology and Solutions

13:30-16:10

Overseas Session





03. Exhibition Review-FCVCTalks Salon

“FCVCTalks Salon” organized a total of five industry events: 1 Kolon Session, 2 New Technology、New Product Session, 1 TechH2 Session, and 1 Science Popularization Session.

The New Technology & New Product Sessions showcase the latest R&D achievements and innovative products in hydrogen energy and fuel cell fields. Eight hydrogen-related enterprises are invited to provide exhibition visitors with the latest information on technological breakthroughs and product iterations in the hydrogen industry.

The TechH2 Session focuses on the development status and trends of the full hydrogen energy industrial chain. It invites more than ten hydrogen industry partners to share insights on hot hydrogen fuel topics, bringing visitors rich content including the latest industry updates, cutting-edge technologies and diversified application scenarios of hydrogen energy.

Agenda

June 10

09:00-10:20

Kolon Session

10:20-16:00

New Technology、New Product Session

June 11

10:00-11:20

TechH2 Session

13:00-13:40

Exhibit Popularity Recognition Ceremony

14:40-16:00

TechH2 Session

June 12

09:30-11:30

Science Popularization Session





03. Exhibition Review-Launch & Debut Events

Launch Events



New Generation M5 & P5 Series Fuel Cell Products



Hydrogen-Powered Drone and Core Components



Hydrogen-related Laboratory Safety Monitoring System

Debut Events



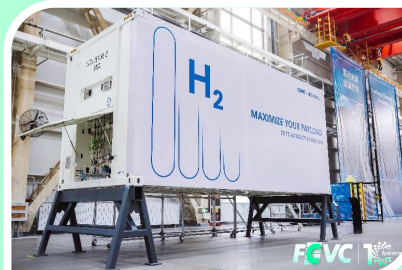
Type 4 MEGC (Multi-Element Gas Container)



Smart Hydrogen Swap Station



135kg Magnesium-based Solid Hydrogen Storage Unit

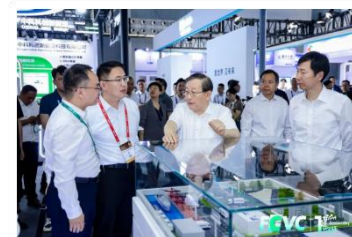




03. Exhibition Review-VIP Exhibition Tour

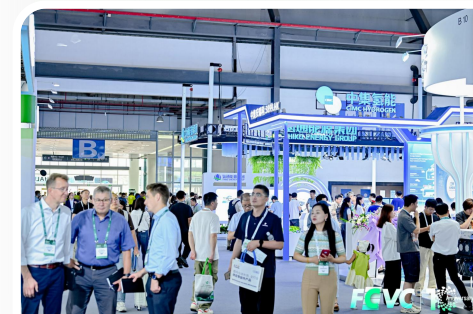
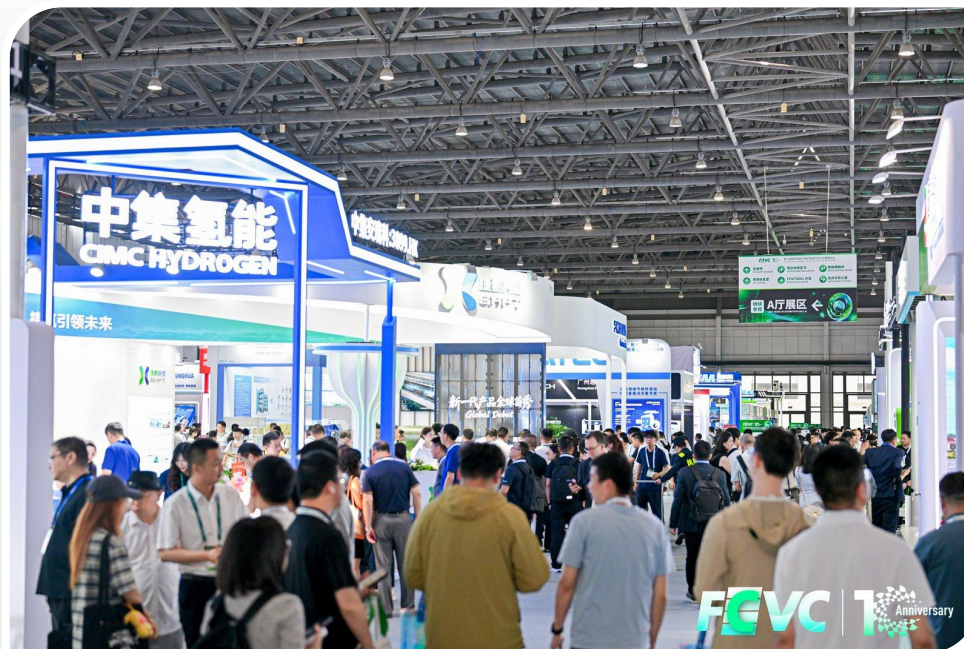
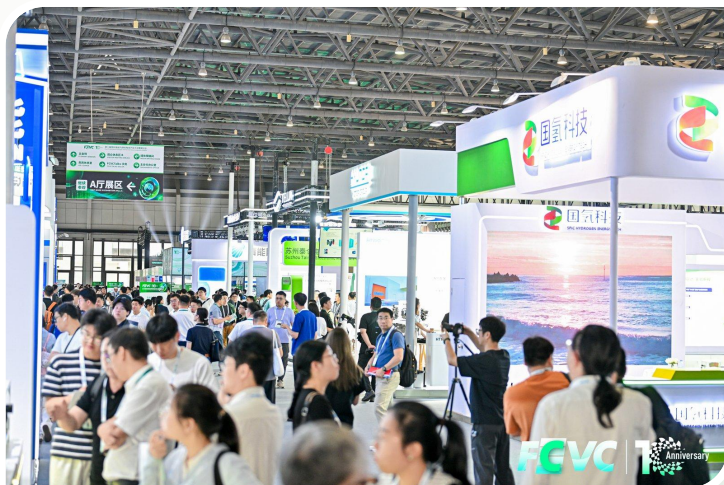
WAN Gang, President of China Association for Science and Technology (CAST); **Zhang Bin**, Deputy Director General of the International Cooperation Department of the China Association for Science and Technology; **Zhu Baowei**, Director of the Energy Policy Division of the Economic Construction Department of the Ministry of Finance; **Ouyang Minggao**, Academician of the Chinese Academy of Sciences, Professor at Tsinghua University, and President of the International Hydrogen Fuel Cell Association; along with relevant leaders and experts from Jiangsu Province and Kunshan City, visited various exhibition areas to comprehensively understand the latest technological breakthroughs and industrialization progress across the entire hydrogen energy and fuel cell vehicle industry chain.

During the exhibition tour, the leaders and experts fully recognized the remarkable leapfrog development achieved by China's hydrogen energy and fuel cell vehicle industry over the past decade and expressed earnest expectations for further deepening industrial collaborative innovation and accelerating the move towards large-scale development in the future.





03.Exhibition Review-Spotlight Moments



04

Concurrent Events





04. Concurrent Events

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



The 6th Meeting of the First Council of the International Hydrogen Fuel Cell Association (IHFCA) and the Global Hydrogen Industry Development Symposium were successfully convened on the morning of June 10, 2026, in a hybrid online and in-person format, concurrently with the "2026 International Hydrogen and Fuel Cell Vehicle Conference and Exhibition (FCVC 2026)" at the Huaqiao International Expo Center in Kunshan, Jiangsu. The meeting was chaired by Association President Professor **Ouyang Minggao** of Tsinghua University. Executive Vice President **Zhang Jinhua**, President of the China Society of Automotive Engineers; Vice President **Hilton Ingram**, Global Marketing Executive President of Valterra Platinum Limited; and Secretary General **Wang Ju** attended in person. **Petra Schwager**, Director of the Climate and Technology Partnerships Division of UNIDO; Professor **Ming Pingwen** of Tongji University; along with government representatives from around the world, industry experts, senior executives of leading enterprises, council member representatives, and invited guests gathered together to explore new pathways for global hydrogen energy industry development.



Secretary General **Wang Ju** first delivered the 2025–2026 Annual Work Report and Financial Report. The report reviewed the fruitful achievements of the Association over the past year in organizational governance, international cooperation, high-level conference hosting, industry think tank research, standards system development, and member services. Subsequently, **Mikaa Blugeon-Mered**, Senior Researcher at the University of Quebec, read out the nomination for the President-Elect election and the professional experience and industry contributions of the candidate, Hilton Ingram. Following deliberation by the Council, the "IHFCA 2025–2026 Annual Work Report" and the "IHFCA 2025 Annual Financial Report" were approved. By secret ballot, **Mr. Hilton Ingram of Valterra Platinum Limited was elected as President-Elect of IHFCA**. During the Global Hydrogen Industry Development Symposium, council representatives and industry guests from international organizations, universities, vehicle manufacturers, energy companies, and supply chain enterprises spoke freely, analyzing industry pain points based on front-line practices and conducting in-depth exchanges on core topics such as technological innovation, standards development, cost reduction, infrastructure, international cooperation, and diversified applications, thereby building consensus on the development of the global hydrogen energy industry.



04. Concurrent Events

—Science Popularization Events & Hydrogen Energy Multi-application Terminals Experience Zone

Science Popularization Events



FCVC 2026 once again joined hands with Hyundai Motor Group to carry out the "Hydrogen Science Popularization Events", with the participation of over 40 teachers and students from Shanghai Anting Normal Affiliated Primary School. Through lively and engaging explanations and interactive activities, the principles of hydrogen energy were transformed into accessible environmental protection knowledge, planting the seeds of green energy in the hearts of the youth. The activity included the following segments: a hydrogen energy theory class, a hydrogen car experiment, a handicraft class, and a visit to the Hyundai Motor booth.



Hydrogen Energy Multi-application Terminals Experience Zone



"Hydrogen Energy Multi-application Terminals Experience Zone" allowed professional visitors to experience the charm of hydrogen energy up close. These immersive end-product experiences not only demonstrated the maturity of hydrogen energy technology, but also made the vision of a "Hydrogen Society" tangible and within reach.



Experience Items

- ✓ Hydrogen sightseeing vehicle from Rigor
- ✓ Hydrogen Energy Mini Bus from DES-Hy
- ✓ Hydrogen Energy Sightseeing Vehicle from Suzhou SEEEExTECH
- ✓ Hydrogen Energy Outdoor Power Supply from Suzhou SEEEExTECH
- ✓ Hydrogen-Powered Logistics Two-Wheeler from FUELTURE
- ✓ Hydrogen-Powered Shared Two-Wheeler from FUELTURE
- ✓ Hydrogen-Powered Assisted Two-Wheeler from FUELTURE



04. Concurrent Events —Exhibit Popularity Recognition Ceremony



In order to deeply explore and showcase the core technological breakthroughs of exhibiting enterprises and accelerate the market entry of innovative products with industrialization potential, the FCVC Technology Exhibition launched the **"FCVC 2026 Visitor's Choice Award"** for the first time. Once initiated, the event immediately drew widespread attention, attracting enthusiastic participation from numerous guest attendees, professional visitors, and media outlets, with both online and on-site voting creating a highly vibrant atmosphere. After intense competition, **20** exhibits that combined technological breakthroughs and market application value ultimately stood out and were awarded the title of "Most Popular Exhibit of the FCVC 2026 Technology Exhibition." At the announcement ceremony, Zhao Lijin, Deputy Secretary General of the China Society of Automotive Engineers, presented commemorative cups to the enterprise representatives and delivered a speech, highly recognizing the innovative achievements of the award-winning companies.

Winner List

Winner Products are from:

- ✓ YUCHAI CYNLAND (JIANGSU) HYENTECH CO., LTD
- ✓ KENSINO Holdings Co., Ltd.
- ✓ Beijing ChinaTank Industry Co., Ltd.
- ✓ Shanghai Fuelture Energy Co., Ltd.
- ✓ Rigor New Energy Technology Co., Ltd.
- ✓ SinoHykey Technology Guangzhou Co., Ltd.
- ✓ Qingyan Easy H2 Power Technology (Changzhou) Co., Ltd.
- ✓ Shanghai Mg Power Technology Co., Ltd.
- ✓ Qingdao Hanlan Hydrogen Energy Equipment Technology Co., Ltd.
- ✓ Hyundai Motor Group (CHINA)
- ✓ Schaeffler Hydrogen Technology
- ✓ Umicore Fuel Cell Catalyst (China) Co., Ltd.
- ✓ Anhui Clean Energy Co., Ltd.
- ✓ Impact Coatings AB
- ✓ KBC Hydrogen Technology Co., Ltd.
- ✓ SHANGHAI HYDROGEN PROPULSION TECHNOLOGY CO., LTD
- ✓ Guangdong Horizon New Energy Technologies Co., Ltd.
- ✓ Faurecia (Shanghai) Hydrogen Solutions Holding Co., Ltd.
- ✓ Jiangsu Yuke Energy Technology Co., Ltd.
- ✓ OPmobility



04. Concurrent Events —Hydrogen Community Badminton Tournament

On the afternoon of April 25, 2026, the **"United by Hydrogen, Together with Badminton' — FCVC 2026 Hydrogen Community Badminton Tournament"**, organized by the FCVC Organizing Committee, was successfully held in Qingpu, Shanghai. Using badminton as a bond, the event created a relaxed and dynamic setting for exchanges among corporate representatives, experts, scholars, and industry peers from the hydrogen energy and fuel cell industry chain through a lively and dynamic competition atmosphere. The event attracted the participation of over **40** executives, technical experts, and industry institution representatives from the upstream and downstream of the hydrogen and fuel cell vehicle industry chain.



Using sports competition as a link, this badminton friendly tournament successfully built an efficient communication platform for the hydrogen energy and fuel cell industry. Executives, technical experts, and industry institution representatives from across the supply chain sweated on the court and exchanged skills, deepening industry interactions and sparking inspiration for cooperation in a relaxed and warm atmosphere. Through the unique appeal of sports competition, the event not only promoted in-depth exchanges among enterprises but also drove technological synergy and industrial resource integration, contributing to the high-quality development of the hydrogen ecosystem.



05

Marketing and Media



05. Marketing and Media

01

Media Partners

68 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.

58 Reporters attended and participated in activities such as conference coverage and high-level interviews

02

Content Output

1 CCTV reported, **1** Local satellite TV report

15 Core press releases **350+** Original manuscript & video **8,300+** Press releases

20+ Posters and long drawings for conferences and exhibitions





05. Marketing and Media

03

Promotion Channels

31 millions+ Official website views **2.3 millions+** WeChat Ads impressions

260+ Official Wechat articles **158,000+** Total reading

610,000+ Edm&Sms Datas

1.2 million+ PR script readings **1,000+** Visitors invited by the exhibitors

04

Spot Coverages

80+ Interviews in total

Included: **2** group interviews with academicians and experts, **1** group interview with senior representatives of international organizations, **10** Exclusive interviews for sponsors, **22** Exhibitors video interviews, **50** Video interviews with industry media

The live streaming of exhibitors video interviews garnered over **100,000** online views.

05

Exhibition On-site Activities

“FCVC 10th Anniversary Spots”, “FCVC Decade Lens”





05. Marketing and Media-Media Partners

Official Publicity Platforms



中国科协之声



科 研 中 国



智慧科协



科界



中国汽车工程学会
China Society of Automotive Engineers



IFCA INTERNATIONAL
HYDROGEN FUEL CELL
ASSOCIATION



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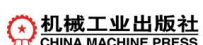
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氢中和驱动先锋



向上氢能
UP HYDROGEN



高工氢电



势银能链
TrendBank.com



势银能链
TrendBank.com



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HYDROGEN AI CLUB



氢能AI俱乐部
HYDROGEN AI CLUB



氢能观察
Hydrogen Observation



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2-Frontier



北极星氢能网
Q.N.B.S.K.COM.CN



华夏能源网



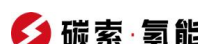
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碳索·氢能



车讯网
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OFweek
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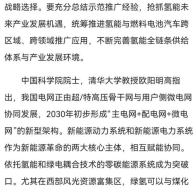
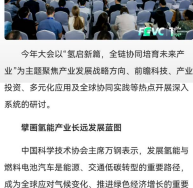


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05.Marketing and Media-CCTV News and Mainstream Media Reports





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FCVC Wechat



FCVC Mini Program



FCVC Channel