

# **WORLD HYDROGEN EXPO 2025 BROCHURE**

**Dec 4(Thu) - Dec 7(Sun), 2025 | Kintex, S. Korea**

# Hydrogen Pioneers: Innovate, Unite, and Accelerate



Korea is committed to leading the hydrogen industry. Through innovation and global cooperation, we will drive clean energy growth and support a sustainable future.

**Jaehong Kim, President & CEO**  
**Korea Hydrogen Alliance(H2KOREA)**





# WHY WORLD HYDROGEN EXPO 2025 ?

The Largest Global Hydrogen Industry Event International Conference & Exhibition

**The WORLD HYDROGEN EXPO 2025** combines a high-level global conference with Korea's largest hydrogen exhibition. Over four days, international policy-makers, industry leaders, and technical experts will share strategies in plenary sessions, while the exhibition floor showcases national pavilions, breakthrough technologies, and live demonstrations—linking strategic dialogue with practical, on-site solutions.

In 2025, **H<sub>2</sub> MEET** will be significantly expanded under the global title **The WORLD HYDROGEN EXPO 2025**, held alongside the **Hydrogen Council CEO Summit 2025**, to become the world's largest integrated hydrogen industry event.

In particular, collaboration with **Hydrogen Council CEO Summit 2025**, the Expo will offer CEOs unique opportunities to gain deeper insight into industry trends, and growth potential while fostering productive business dialogue.

#WORLD HYDROGEN EXPO 2025

#WHE 2025

#H<sub>2</sub> MEET

#Hydrogen Council CEO Summit 2025

# Unlock the Value of WHE 2025

Connect, grow, and read —real opportunities in the global hydrogen economy



**40K+**

Visitors



**350+**

Exhibitors



**25+**

Countries



**160+**

Speakers



**150+**

Sessions



## Opportunities to increase brand awareness

World Hydrogen Expo is visited by 40,000+ attendees from 25+ countries, and key global decisionmakers will visit your booth.



## Create new networks, enhance existing ones

Take advantage of opportunities to develop lucrative relationships and partnerships.



## Showcasing the latest advancements

Explore an environment of cutting edge technologies, and peek into the future of hydrogen.

# Program Overview of WHE 2025

■ Opening Ceremony
 ■ Conference
 ■ Partners Program
 ■ Exhibition

Time	12.4.(Thu)	12.5.(Fri)				12.6.(Sat)	12.7.(Sun)
10:00-11:00	Opening Ceremony	Hydrogen Deep Dive Topic 1. Supply Chain	Hydrogen Deep Dive Topic 3. Standard				
11:00-12:00	Exhibition Tour						
12:00-13:00					Luncheon		
13:00-14:00	Leadership Address	Hydrogen Deep Dive Topic 2. Technique Commercialization	Hydrogen Deep Dive Topic 3. Standard	Hydrogen Deep Dive Topic 4. Ammonia			
15:00-16:00							
16:00-17:00							
17:00-18:00							
18:00-20:00	Gala Dinner						
All day	Hydrogen Industry Global Partnership Meeting, Country Day, Hydrogen Frontiers Congress, H2 Innovation Award						
	Exhibition(formerly H <sub>2</sub> MEET)						

Opening Ceremony



Leadership Address



Hydrogen Deep Dive



Exhibition Hall

H<sub>2</sub> Innovation

Co-Creation Series



# Program Overview of Hydrogen Council CEO Summit 2025

Time	2 <sup>nd</sup> Dec	3 <sup>rd</sup> Dec (main Day)			4 <sup>th</sup> Dec
7:30	Travel & Arrivals	Networking breakfast		CEO Board breakfast	Networking breakfast
8:00					Move to Kintex – max. 1 hr
9:00					<ul style="list-style-type: none"> <li>World Hydrogen Expo Exhibit Tour</li> <li><b>Policy dialogue with Gov't officials</b> <ul style="list-style-type: none"> <li>Expo opening ceremony</li> <li>Closing Plenary</li> </ul> </li> </ul>
9:30		Opening Plenary			
10:00					
10:30		Ecosystem roundtables			
11:00					
11:30		Members Lunch		Strategic Committee	Lunch (@Hyundai Motor Studio)
12:00					End of the program
12:30					
13:00		Parallel session Different stream levels	Parallel session Different stream levels	Parallel session Different stream levels	
13:30					
14:00					
14:30					
15:00					
15:30	Networking / Free time	<ul style="list-style-type: none"> <li><b>Policy dialogue with Gov't officials</b> <ul style="list-style-type: none"> <li>B2B Meetings</li> <li>Day Close Plenary</li> </ul> </li> </ul>			
16:00					
16:30	Welcome Dinner	Reception			
17:00					
17:30					
18:00					
18:30					
19:00		Gala Dinner			
19:30					
20:00					
20:30					
21:00					





# Conference

## Everything related to Hydrogen

### Leadership Address

#### High-Level Dialogue on National Hydrogen Strategies

Opening the conference, the Leadership Address convenes high-level government representatives from key hydrogen demand and supply countries to share policy directions, national roadmaps, and collaborative ambitions.

This distinguished session offers an invaluable opportunity to hear directly from senior officials about plans to accelerate clean hydrogen uptake, strengthen infrastructure, and expand secure international supply chains. By setting the policy context and sharing national strategies, the session lays the groundwork for meaningful international collaboration.



### Hydrogen Deep Dive

#### Scaling Hydrogen through Industrial Innovation and Technical Excellence

Hydrogen Deep Dive provides a dedicated forum for in-depth discussion on the innovations shaping hydrogen's industrial future. It convenes experts from around the world to address implementation realities, share breakthroughs, and assess what is needed to unlock the full potential of hydrogen in the decades ahead.

The conference creates space for candid, cross-sector dialogue—bridging technical insight with strategy, and fostering collaboration across the global hydrogen community.

#### TOPICS

Supply Chain

Technology Commercialization

Standards

Clean Ammonia

# Conference

## Country Day

### Global Hydrogen Dynamics: Industry Status, Policies, Standards, Projects, and Key Players

Country Day offers a unique opportunity to explore the evolving hydrogen landscape across countries. This session brings together policy directions, certification embassies and trade agencies to highlight each nation's hydrogen industry progress, efforts, and major projects. Attendees will also gain insights into export, investment support, and key hydrogen players operating around the world.

#### TOPICS

Industry Status by Country

Major Projects & Partnerships

National Policies & Standards

Trade & Investment



## Country Day - Global Hydrogen Dynamics

Planned production volume in tonnes

Number of projects	Year	Planned production (tonnes)		
		Total	Renewable	Low-carbon
5		14 300	10 500	3 800
30		1 300 000	1 070 000	230 000
35		2 500 000	1 300 000	1 200 000
40		4 785 000	1 300 000	3 485 000



## Co-Creation Series

### Connecting Institutions, Accelerating Hydrogen

The Co-Creation Series serves as a collaborative track for institutions, associations, and R&D bodies to discuss systemic enablers of the hydrogen economy.

This track emphasizes joint efforts in regulation, standardization, certification, and international cooperation. With a focus on knowledge exchange and ecosystem integration, Co-Creation Series aims to align stakeholders across policy, research, and infrastructure development.

#### TOPICS

Policy & Institutional Dialogue

Standards & Certification

Infrastructure & Safety

R&D & Data Collaboration



# H<sub>2</sub> Global Award: For Hydrogen Innovation

Open to SMBs, large enterprises, and startups.

The H<sub>2</sub> Global Award is a comprehensive hydrogen tech event that includes presentations and an awards ceremony, and is open to participation by SMBs, large enterprises, and startups.

It is an official independent award ceremony designed to promote exchanges within the hydrogen industry in specific areas including hydrogen production, storage/transportation, utilization (mobility, etc.), automotive parts, IT, and services.



H<sub>2</sub> Innovation Award



Best Product Media Award



Global Media Pick

## Timeline

Oct. 2025



Invitation/  
Registration

Nov. 2025



Presentation

Nov. 2025



Announcement of  
Preliminary Results

Dec 4-5, 2025



Ceremony



# Notable Past Participants



 Alleima	 Andromeda	 apave	 argus	 ARI	 Bronkhorst KOREA	 bsi.	 Burckhardt Compression	 CELLIMPACT	 Cell/Mo	 CIMC ENRIC 中集安瑞科	 CIC	 Cryo H&I	 Daelimyle Bay	 DEMACO	 DOOSAN
 Dräger	 elcogen	 elecseed	 EMERSON	 Endress + Hauser E+H		 ENERGYN	 epm	 FEM	 FESTO	 fives	 FLUKE	 Philos	 GREENLIGHT INNOVATION		
 GSR	 HALLETT GROUP	 Hanwha		 HD HYUNDAI INFRACORE		 HEF GROUPE	 HEXAGON	 HUNGER Hydroaline Korea	 HYDROGEN	 HYOSUNG	 HYUNDAI	 HYUNDAI MOBIS	 HYUNDAI Rotem	 HYUNDAI STEEL	 IDTechEx
 IMI	 IMPACT COATINGS	 IMPISA	 InCapture	 INFICON Empowering the unknown. Pioneering the possibilities.		 Intelligent Energy		 INMAP	 ITM	 KOLON UltraShell A Steel Group Company	 KOHYGEN	 KOLON	 KOREA ZINC	 KRAFT POWERCON	
 LATTICE TECHNOLOGY	 Lhyfe	 R	 Magma	 McKinsey & Company	 MOMENTUM MATERIALS SOLUTIONS		 M M MOTT MACDONALD	 Mt.H CAPITAL PART CO., LTD.	 NANO HYDROGEN	 NK	 NOVA SWISS	 PANASIA	 PFEIFFER VACUUM		 Pilot Energy
 posco	 powall	 Powertech	 PROCOLOMBIA	 PVA TePla	 RWE	 Rystad Energy	 S&AH	 seitz valve	 上海央米 ZGYMZN	 SK innovation E&S	 SoluForce	 Strohm	 TECHCROSS	 TESTNET	
 JKF	 TKI NIEUW GAS	 TUV Rheinland	 UTILITY	 Valmax	 Vogt	 VYTAS	 WIKAL	 WILDFIRE ENERGY	 WindSCS	 Wood Mackenzie	 world energy	 YH INTERNATIONAL		 Y-TEC	 YUNATECH
 ALBERTA'S INDUSTRIAL HEARTLAND	 Ministry of Energy, Mines and Forestry	 Ministry of Energy, Mines and Forestry	 Ministry of Energy, Mines and Forestry	 Canada	 H <sub>2</sub>	 IAHE International Association of Hydrogen Engineers	 kotra Korea Trade Investment Promotion Agency	 Ministry of Energy, Mines and Forestry	 Investment NSW	 NSW GOVERNMENT	 PORT OF NEWCASTLE	 Norway	 TRADE INVESTMENT AUSTRALIA	 SOUTH	 GOVERNMENT OF WESTERN AUSTRALIA







# Overview of Hydrogen Council



## History of the Hydrogen Council

### Founding Story

- (Background) Launched in '17 at the World Economic Forum in Davos, as an initiative led by 13 CEOs with a united vision and ambition for hydrogen, recognizing the need for collective actions at the global-level.
- (Founding members) Hyundai Motor Company, Air Liquide, Alstom, Anglo American plc, BMW, Daimler AG, ENGIE, Honda, Kawasaki Heavy Industries, Shell, Linde, Total Energies, Toyota Motor Corporation
- (Hyundai's participation) Founding member & Served as Co-Charing company ('18 ~ '20)  
: Laying a groundwork for the Hydrogen Council and raising an awareness for hydrogen as a key enabler in the energy transition.

### Current Status

- (Scale-up) Growing multinational body of over 140 members representing whole hydrogen value chain  
\* US\$ 9 trillion in market capitalization, US\$ 6.4 trillion in revenues, and 6.8 million jobs
- (Role) Serving as a platform to bring together like-minded stakeholders and call for concerted actions in unlocking the potential of hydrogen as a key enabler in the energy transition.



## Composition of membership

### Co-Charing Member

Legal representative



**Vice Chair Jaehoon Chang**  
(Term '24.6 ~ '26.12)

**CEO Sanjiv Lamba**  
(Term '23.06 ~ '25.12)

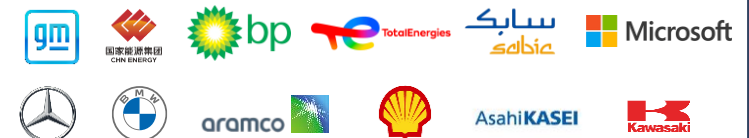
### Board Member

Strategy/Operation

(15 companies) **Hyundai Motor Company**, Air Liquide, Anglo American, Cummins, ENGIE, Johnson Matthey, Linde, Masdar, Sasol, Siemens Energy, Sinopec, Kawasaki Heavy Industries, Toyota, Topsoe, Yara Clean Ammonia

### Steering Member

53 companies



### Supporting Member

79 companies



### Investor Member

10 companies



# Please contact



**For Conference,  
Sponsor**

[global@h2korea.or.kr](mailto:global@h2korea.or.kr)



**For Exhibitions,  
Sponsor**

[h2meet@h2meet.com](mailto:h2meet@h2meet.com)



**For Award**

[award@h2meet.com](mailto:award@h2meet.com)



**Speaker Application  
Period**

1st Until July 11, 2025  
2nd Until August 30, 2025