

# 2025 World Climate Industry EXPO

**August 27(Wed.) - 29(Fri.), 2025**  
**BEXCO, Busan, Republic of Korea**

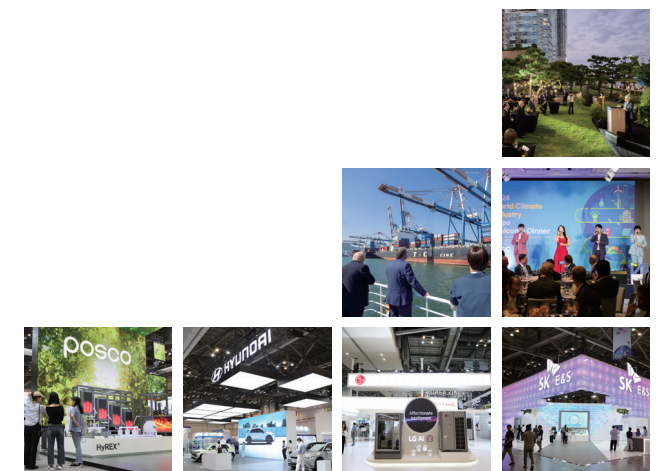
\*The 2025 World Climate Industry EXPO will be held in parallel with  
**15<sup>th</sup> APEC Energy Ministerial Meeting,**  
**Clean Energy Ministerial 16 and Mission Innovation 10**





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# I. About the 2025 World Climate Industry EXPO

## Invitation

The World Climate Industry EXPO (WCE) is Korea’s premier event in the climate and energy sectors, showcasing cutting-edge technologies and innovative policy solutions to address the global climate crisis. Co-hosted by the Government of the Republic of Korea and the International Energy Agency (IEA), WCE serves as a leading international platform for discussing today’s most pressing challenges in these fields.

From August 27 to 29, 2025, BEXCO in Busan will host the WCE under the theme “Energy for Artificial Intelligence (AI) & AI for Energy.” The event will highlight AI’s critical role in building a sustainable, secure, and efficient global energy system. It will explore how to meet the growing energy demands driven by AI and how AI can revolutionize energy production, consumption, and distribution.

The program includes three major summits-the Global Leadership Summit, the Energy & AI Summit, and the Climate Summit-alongside twelve specialized conferences featuring senior government officials and distinguished leaders from international organizations. The exhibition will showcase approximately 560 leading companies across sectors such as clean power, energy & AI, mobility, environment, marine, and meteorology, held in Halls 1 and 2 of BEXCO.

The 2025 WCE will also be held in conjunction with three key energy ministerial meetings: the 15<sup>th</sup> APEC Energy Ministerial Meeting, the 16<sup>th</sup> Clean Energy Ministerial (CEM16), and the 10<sup>th</sup> Mission Innovation Ministerial (MI10). This convergence offers a unique opportunity for global policymakers and industry leaders to collaborate, generate synergy, and engage in meaningful, action-oriented dialogue.

We warmly invite you to join us at the 2025 World Climate Industry EXPO.



## Overview

Theme	Energy for AI & AI for Energy
Date	August 27(Wed.) - 29(Fri.), 2025
Venue	BEXCO, Busan, Republic of KOREA
Host	KOREA, IEA
Program	<ul style="list-style-type: none"><li>• Opening ceremony</li><li>• Conference (12 sessions)</li><li>• Exhibition (560 Companies)</li><li>• Joint Welcome Dinner (To be held in conjunction with three ministerial meetings)</li></ul>



## Collaboration with International Organization

Co-Host	Joint Conference		
			
			

I. About the 2025 World Climate Industry EXPO

Program

Time	Aug. 26 (Tue.)	Aug. 27 (Wed.)			Aug. 28 (Thu.)	Aug. 29 (Fri.)	
		Convention Hall		Exhibition Hall		Convention Hall	
Morning		Clean Energy Ministerial 16 and Mission Innovation 10 (CEM/MI)  09:00-10:30 (1F, Room 101-108)			CFE Technology & AI (CFA)  09:30-11:30 3F, Room 314-317	KEA-ADB Clean Energy Dialogue (KEA/ADB)  09:30-12:30 2F, Room 205	
Afternoon		2025 WCE Opening Ceremony 12:00-13:00 (3F, Grand Ballroom)					
		Global Energy Roundtable *Invitation Only (KCCI) 13:00-14:00 (2F, Room 205)					
		Meteorological and Climate Technology (KMA)  14:00-16:30 2F, Room 201-204	Korea-IEA Forum (MOTIE/IEA) 14:20-16:15 3F, Grand Ballroom	Wildfire and Carbon (KFS)  13:30-15:30 3F, Room 311-313	International Clean Hydrogen Forum (MOTIE)  13:30-15:30 3F, Room 314-317	Global Climate Technology Future Strategy (MSIT)  13:30-15:30 2F, Room 205	
		Climate Technology & AI (2050 CNC)  15:00-17:00 1F, Room 101-103	Korea-WB Global Forum (KEA/WB) 16:30-18:00 2F, Room 205	Clean Energy (CEMMI) 13:00-17:00 2F, Room 211-212	AI and Energy Transition  14:30-16:30 (Busan Metropolitan City) 2F, Room 214-216		
Evening	Joint Welcome Dinner  *Invitation Only 19:00-21:00 Busan Cinema Center						
All Day		- Exhibition 10:00-17:00 (Exhibition Hall) - Domestic Purchase Consultation & Overseas Export Consultation 10:00-17:00 (Exhibition Hall)					
						Job Fair 10:00-17:00 3F, Grand Ballroom	

The 2025 World Climate Industry EXPO will be held in parallel with APEC Energy, CEM16, and MI-10 Ministerial Meetings and take place on August 2025 in Busan.

15<sup>th</sup> APEC Energy Ministerial Meeting

The APEC (Asia-Pacific Economic Cooperation) Energy Ministerial Meeting is a high-level event that brings together energy ministers and officials from APEC’s 21 member economies. The meeting serves as a platform to discuss energy challenges, policies, aiming to foster cooperation and collaboration in energy security, sustainability, and efficiency in Asia-Pacific region.

**APEC's 21 Members**  
Australia, Brunei Darussalam, Canada, Chile, Chinese Taipei, Hong Kong-China, Indonesia, Japan, Malaysia, Mexico, New Zealand, Papua New Guinea, People's Republic of China, Peru, Republic of Korea, Russia, Singapore, Thailand, The Philippines, The United States, and Viet Nam

Clean Energy Ministerial 16 and Mission Innovation 10




The Clean Energy Ministerial (CEM) is a high-level global forum to promote policies and programmes that advance clean energy technology, to share lessons learned and best practices, and to encourage the transition to a global clean energy economy. Mission Innovation is a global initiative catalysing a decade of action and investment in research, development and demonstration to make clean energy affordable, attractive and accessible for all. This will accelerate progress towards the Paris Agreement goals and pathways to net zero.

**CEM and MI Members**  
Australia, Austria, Brazil, Canada, Chile, People's Republic of China, Denmark, European Commission, Finland, France, Germany, India, Indonesia, Italy, Japan, Mexico, Morocco, Netherlands, New Zealand, Norway, Poland, Portugal, Republic of Korea, Russia, Saudi Arabia, South Africa, Spain, Sweden, United Arab Emirates, United Kingdom, and The United States

I. About the 2025 World Climate Industry EXPO

Conference

The conference consists of three summits and 12 sessions. It will be held for two days from August 27 to 28 in Convention Hall & Exhibition Hall.

		
Global Leadership Summit	Energy & AI Summit	Global Climate Summit
Global Energy Roundtable "The Role of Business for a Sustainable Future" (KCCI)	International Clean Hydrogen Forum "Advancing Net Zero by 2050 : The Strategic Role of Clean Power and Hydrogen" (MOTIE)	Global Climate Technology Future Strategy "Innovative Strategies for Key Climate Technologies in Response to the Climate Change" (MSIT)
Korea-IEA Forum "AI for Energy, Energy for AI" (MOTIE/IEA)	Climate Technology & AI "Sustainable AI and Climate Tech Development Strategies" (2050 CNC)	Meteorological and Climate Technology "The Future of Industry through Meteorological and Climate Technology" (KMA)
Korea-WB Global Forum "Smart and Resilient Energy Systems for a Net-Zero Future" (KEA/WB)	AI and Energy Transition "Innovation for Sustainable Cities" (Busan Metropolitan City)	Wildfire and Carbon "Science and Technology-based Wildfire Disaster Response Strategies" (KFS)
KEA-ADB Clean Energy Dialogue "Innovative Solutions for a Sustainable and Low-Carbon Future" (KEA/ADB)	CFE Technology & AI "Enhancing the Sustainability of Energy Systems through the Integration of CFE Technologies and AI" (CFA)	
Clean Energy "Clean Energy Innovation and Deployment" (CEM/MI)		

Exhibition

The exhibition consists of 5 halls related to climate energy and carbon neutrality, including AI & Energy, Renewable Energy, Power Grid, Robots, and Mobility, and approximately 560 companies are expected to participate (August 27-29, BEXCO 1 and 2 exhibition halls)

## Exhibition Hall 1

### Future Energy Hall (Korea Energy Show)

AI, Robots, Mobility, High-efficiency equipment, and other technologies and products related to energy solutions.

### Clean Power Hall (Korea Energy Show)

Renewable energy(Solar, Wind, etc), Power grid, Nuclear Power, and other power-related technologies and products.

### Carbon Neutral Hall (Net Zero EXPO)

Leading companies, and other innovative technologies and products related to carbon neutrality.

### Climate Meteorological Industry Hall (KCMIE)

Weather observation, weather information solutions, and other weather technologies and products.

## Exhibition Hall 2

### Environmental Energy Hall (ENTECH)

Water quality management, environmental protection, waste disposal, and other eco-friendly technologies and products.



## II. Highlights from the 2024 World Climate Industry EXPO

**34,000**  
**attendees from**  
**50 countries**

21% increase compared to the previous event

**11 Conferences**

of CFE, Industry Technology, and Climate Summits

5 Exhibition Halls Featuring

**556 Domestic & Global Companies**

**56 Side Events**

Including the Clean Hydrogen International Forum  
and the CFE APEC Workshop

The 2024 World Climate Industry EXPO (WCE), the largest climate expo in East Asia, was held in Busan, Korea, from September 4th to 6th. The central theme was 'Ushering in a Carbon-Free Energy Era with Climate Technologies.' The 2024 WCE aimed to provide a platform for global discussions on responding to the climate crisis and ensuring energy security.



# Overview



## 2024 WCE

The Republic of Korea proposed the use of Carbon-Free Energy (CFE) as a realistic solution to achieving global carbon neutrality goals at the 78th United Nations (UN) General Assembly. CFE refers to all energy sources that do not emit carbon during the process of energy generation. This includes nuclear energy, carbon capture and clean hydrogen technologies, in addition to conventional renewable energy.

The Republic of Korea has also recently reached an agreement with the International Energy Agency (IEA) regarding the importance of utilizing CFE, which has facilitated its role as a co-host for the 2024 WCE. Additionally, the Republic of Korea is in discussions with the IEA to adopt a joint statement in support of using CFE.

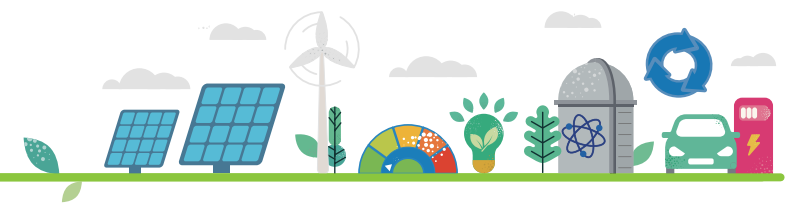
A keynote speech by IEA Executive Director Fatih Birol was along with presentations on IEA's analysis of key energy technologies critical to achieving global climate goals. From this year on, the 2024 WCE was set to become a truly international event, with active participation and practical advice from the IEA.



By creating an eco-friendly venue and promoting Climate Action initiatives, the 2024 WCE ensured that all attendees can understand and experience Carbon-Free Energy.



# Opening Ceremony



## Opening Remarks

**Han Duck-Soo**

Prime Minister of the Republic of Korea

## Welcome Remarks



**Chey Tae-Won**

Chairman of the Korea Chamber of Commerce and Industry



**Park Heong-Joon**

Mayor of Busan Metropolitan City

## Keynote Speech

**Maintaining Energy Security  
in the Transition to Clean Energy**



**Fatih Birol**

Executive Director of the International Energy Agency (IEA)

**Trade Rules for  
the Green Energy Transition**



**James Bacchus**

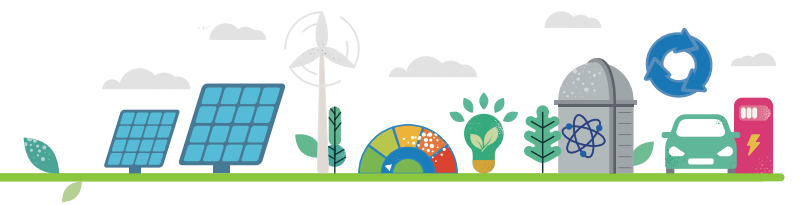
Distinguished University Professor of Global Affairs,  
University of Central Florida



# CFE Summit

The Summit consisted of the Korea-IEA Forum, the CFE Initiative Conference, and the CFE Leaders Roundtable.

High-level officials from organizations such as the IEA, Green Climate Fund (GCF), World Bank, and Asian Development Bank (ADB) participating as speakers and panelists. Senior executives from major companies such as Samsung Electronics, Hyundai Motor Company, and LG Electronics took part in discussions related to CFE.



## Korea-IEA Forum

Pathway to Net Zero with Carbon-Free Energy – Exploring challenges and opportunities



## CFE Initiative Conference

Rethinking Climate Solutions: What really works?



## CFE Leaders Roundtable

Creating a Sustainable Future through Net Zero





# Industry Technology Summit



The Summit was composed of the Forum on Carbon Neutrality and Green Growth, the Future Mobility Session, the Climate Technology Symposium, and the Energy AI Forum.

Representatives from BloombergNEF, Pacific Northwest National Laboratory (PNNL), Korea Hydro & Nuclear Power Co., Ltd., and universities (Technical University of Denmark [DTU] and Waseda) attended as speakers and panelists, offering diverse insights into the technologies and green industries that will lead to the CFE Era.



## Future Mobility Session

Promoting Eco-Friendly Vehicles for Net Zero: Strategies and challenges



## Climate Technology Symposium

Strengthening Competitiveness and Innovation in Core Technologies (hydrogen and CCU) to Respond to Global Climate Change and Lead Carbon-Free Energy



## Forum on Carbon Neutrality and Green Growth

Strategies for Activating the Circular Economy



## Energy AI Forum

The Future of Energy with Artificial Intelligence

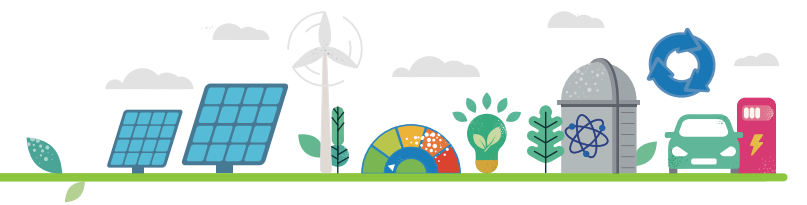




# Climate Summit

The Summit was composed of sessions on Weather and Climate Change, the GGHK Global Green Vision Forum, Global Maritime City for Climate Crisis Response, and the Forest and Carbon Session.

The Summit had high-level officials from the governments of Indonesia and Cambodia, as well as representatives from the Boston Consulting Group (BCG), and the Mayor of Esbjerg, Denmark, presenting various strategies and roles to overcome the current climate crisis.



## Global Green Hub Korea (GGHK) Global Green Vision Forum

Turning the Climate Crisis into an Opportunity, Innovation in Green Technology



## Global Maritime City for Climate Crisis Response



## Weather and Climate Change

Seeking the Role of the Meteorological Industry in Understanding Global Trend of Climate-Related Disclosures



## Forest and Carbon Session

Challenges and Opportunities of Forest Carbon for Industry's Carbon Neutrality





# Exhibition

556 global companies in the fields of Carbon-Free Energy, Future Energy, Future Mobility, Weather and Climate Industry, and Environmental Energy participated in the EXPO. They displayed a wide range of the latest and future technologies, products, and R&D achievements. The event also provided opportunities for business networking through various seminars and forums, as well as product consultation meetings.



**SAMSUNG**

 **LG Electronics**

 **Hanwha Qcells**

**DOOSAN**  
Enerbility

 **HD HYUNDAI**

 **SK E&S**

**posco**

 **HYUNDAI**

 **KOREA ZINC**

**Vestas**

**RWE**

**DELL**Technologies



**Volkswagen** 



 **KEPCO** KOREA ELECTRIC POWER CORPORATION

 **KOREA HYDRO & NUCLEAR POWER CO., LTD**

**KOGAS** KOREA GAS CORPORATION

 **KOREA GAS SAFETY CORPORATION**

**KEITI**





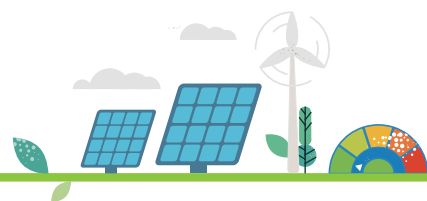


# WCE Exhibition





# Side Events



56 side events successfully attracted attendees' participation and engagement at the 2024 WCE.



# Networking



At the 2024 WCE, global figures gathered for a welcome reception, a welcome dinner, and a port tour to enhance future partnerships.





## Host



Ministry of Trade,  
Industry and Energy



Ministry of Agriculture,  
Food and Rural Affairs



Ministry of Science and ICT



Ministry of SMEs  
and Startups



Financial Services  
Commission



Ministry of Oceans  
and Fisheries



Korea Meteorological  
Administration



Korea Forest Service



Presidential Commission on  
Carbon Neutrality and Green Growth



Ministry of  
Foreign Affairs



BUSAN  
METROPOLITAN CITY



CARBON FREE  
ALLIANCE | 탄소프리



KCCI

## Co-Host



## Organizer



KOREA ENERGY AGENCY



KOREA  
INDUSTRY  
INTELLIGENTIZATION  
ASSOCIATION



Korea Energy Efficiency Institute



Korea  
Meteorological Institute



KOREAN INSTITUTE OF ENERGY RESEARCH



Korea Institute of Energy Technology  
Evaluation and Planning



KHNP  
KOREA HYDRO & NUCLEAR POWER CO., LTD.

We Welcome You to  
**the 2025 WCE,**  
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<https://wce.or.kr/Eng/Main.asp>



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