

"Finding the Answer to Industrial Complex RE100 Transition in Gwangju" GIST hosts energy innovation conference: Gwangju Energy Innovation Conference in conjunction with BIXPO 2025

- On Thursday, the 6th, at the Kim Dae-jung Convention Center, a discussion was held on the RE100 transition strategy for industrial complexes and the establishment of a sustainable energy ecosystem... Approximately 100 participants from industry, academia, research, and government, including Gwangju Metropolitan City and GIST, attended and presented a roadmap for cooperation
- Through multifaceted discussions on transition strategies and implementation tasks from legal, institutional, and technological perspectives, a practical momentum was secured for the decarbonization of local industries and the establishment of an energy innovation ecosystem... This was the first official forum for discussions on the establishment of a Gwangju-type RE100 industrial complex



▲ Key speakers and officials pose for a commemorative photo at the "RE100 Industrial Complex Activation - BIXPO 2025 Gwangju Energy Innovation Conference," held at the Kim Dae-jung Convention Center on Thursday, November 6.

The Gwangju Institute of Science and Technology (GIST, President Kichul Lim) announced the successful hosting of the "RE100 Industrial Complex Activation - BIXPO 2025 Gwangju Energy Innovation Conference" at the Kim Dae-jung Convention Center on Thursday, November 6.

"RE100" is an international campaign encouraging companies to transition their electricity usage to 100% renewable energy. With major companies from around the world participating, it is gaining attention as a key implementation strategy for achieving carbon neutrality.

This conference, themed "RE100 Transition Strategies for Industrial Complexes and Establishment of a Sustainable Energy Ecosystem," was organized to explore specific implementation strategies for strengthening the competitiveness of local industries and achieving carbon neutrality.

The event, held on the second day of the opening of the Bitgaram International Power Technology Expo 2025 (BIXPO 2025), was co-hosted by Gwangju Metropolitan City, GIST, GIST Energy Valley Institute of Technology, GIST Research Institute for Solar and Sustainable Energies, and Gwangju Technopark.

Approximately 100 participants from industry, academia, research institutes, and government agencies, including energy-related companies, research institutes, and policymakers, attended the conference and broadly discussed policy and technological cooperation measures for the establishment and revitalization of the Gwangju RE100 Industrial Complex.

First, Hyo-jin Lee, Director General of the Gwangju Free Economic Zone Investment Promotion Department, introduced the investment environment and support strategies based on an industrial foundation centered on AI convergence and smart energy. He also presented a vision for cooperation between companies and research institutes to realize the RE100 Industrial Complex.



▲ Official promotional poster for the "RE100 Industrial Complex Revitalization – BIXPO 2025 Gwangju Energy Innovation Conference."

The following expert presentation sessions included a variety of topics, including: ▲ "Overview of the RE100 Industrial Complex Special Act" (Yu-chang Kim, Director, KEI Consulting); ▲ "Analysis of Heat Consumption Characteristics in Industrial Complexes and Utilization of Unused Heat for Activation of RE100 Industrial Complexes" (Sang-gyu Park, Associate Research Fellow, Energy Survey and Statistics Research Lab, Korea Energy Economics Institute); ▲ "Implementation Plan for RE100 Industrial Complexes through Super-Wide-

Area Cooperation" (Byeong-cheon Yoo, CEO of Replus Co., Ltd.); and ▲ "Support Activities for the Transition to RE100 Industrial Complexes in the Honam Region" (Seung-chan Jang, Head of the Gwangju/Jeonnam Regional Headquarters, Korea Energy Agency).

Through these presentations, attendees exchanged in-depth opinions on establishing the legal and institutional foundation for the RE100 transition of industrial complexes, technological feasibility, and the need for regional cooperation systems.



▲ On Thursday, November 6th, the "RE100 Industrial Complex Activation – BIXPO 2025 Gwangju Energy Innovation Conference" was held at the Kim Dae-jung Convention Center.

This conference, focusing on Gwangju, explored the direction and implementation strategies for the RE100 industrial complex transition. It is significant in that it serves as a focal point for public-private cooperation to accelerate the decarbonization of local industries and establish a sustainable energy ecosystem.

In his welcoming address, GIST Energy Valley Institute of Technology Director Kwanghee Lee stated, "Gwangju is a city with both energy and industrial complex infrastructure, making it the optimal location for RE100 implementation. I hope this conference will strengthen cooperation among industry, academia, research, and government, and serve as a driving force for the creation of a Gwangju-style RE100 industrial complex."



▲ GIST Energy Valley Institute of Technology Director Kwanghee Lee delivers a welcoming address at the "RE100 Industrial Complex Activation - BIXPO 2025 Gwangju Energy Innovation Conference," held at the Kim Dae-jung Convention Center on Thursday, November 6.

Meanwhile, "BIXPO 2025" will be held at the Kim Dae-jung Convention Center for three days from Wednesday, November 5 to Friday, November 7, with approximately 200 domestic and international companies participating. The event features a diverse program, including approximately 30 conference sessions, a new technology exhibition, and the Korea Electric Power Corporation (KEPCO) Invention and Innovation Fair, attracting attention as a venue for sharing the latest technological trends and business collaboration opportunities in the future power and energy industries.