

Taiwan Power Company Published the “Paving the Way to Net Zero Power Report” in Collaboration with the European Chamber of Commerce Taiwan

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In recent years, there has been a growing global concern about climate change, and all countries have recognized the significance of reducing carbon emissions to mitigate extreme climate events. Taiwan Power Research Institute (TPRI) of Taiwan Power Company (TPC) has established long-term partnerships with the European Chamber of Commerce Taiwan (ECCT) Low Carbon Initiative (LCI). Twenty organizations, including TPC, ECCT, and corporate members of the ECCT, have conducted several workshops. During the workshops, experiences from over ten countries, including Taiwan, France, Germany, the Netherlands, Japan, and the United States, were shared through brainstorming sessions. Between 2021 and 2022, a series of ten exchange workshops were conducted to discuss various green energy-related issues. These workshops covered a wide range of topics, including Green Energy & Circular Economy, Hydrogen Energy, Risk Management, Electric Vehicles, PV Panel and Turbine Blades

Recycling, Energy Storage, and so forth. The workshops drew on the experience of European companies operating overseas. Experiences and cases provide an understanding of the latest international technology and policy developments and demonstrate both parties' efforts to discuss the direction of the net-zero transition. In addition, the attendees of the workshops also propose policy perspectives and related solutions on the policy context, supply side, transmission side, and demand side, respectively. On December 5th, 2023, TPC President Yao-Ting, Wang and Chairman of ECCT Giuseppe Izzo presented the “Paving the Way to Net Zero Power Report” at a launch event held at the Grand Hyatt Hotel in Taipei to Wen-Sheng Tseng, Deputy Minister of Economic Affairs. In attendance to witness this significant moment were 50 European business representatives from the Bureau français de Taipei, the Finland Trade Center, and representatives from TPC and ECCT.



Giuseppe Izzo, Chairman, European Chamber of Commerce Taiwan (right) and Yao-Ting, Wang, President, Taiwan Power Company (left) jointly presented “Paving the Way to Net Zero Power Report” to Wen-Sheng, Tseng, Deputy Minister of Ministry of Economic Affairs (middle).



Nien-Mien, Chung, General Manager of TPRI (left), and Giuseppe Izzo, Chairman of ECCT (right), exchanged ideas on the report launch.

TPRI and LCI have planned to exchange ideas on a range of topics, including strategies for achieving carbon neutrality, the development of hydrogen energy and co-firing technology, and green energy issues such as electric vehicles, which not only presented preliminary research results from both parties in various fields, but also conducted to invite industry representatives, including Taiwan's TÜV Rheinland, Schneider Electric, and Ørsted, to propose innovative solutions. For instance, the Workshop on “Green Energy & Circular Economy,” held on April 22nd, 2021, covered a range of topics, including the development strategies of carbon reduction technology, renewable energy, hydrogen, ammonia, carbon capture and storage, energy efficiency, and business models. The workshops highlight the importance of enhancing international cooperation to expedite attaining carbon reduction objectives. On July 6th, 2021, the “Hydrogen Energy Technology Application” workshop explored the practical applications of hydrogen energy and discussed the real-world example and technical feasibility of hydrogen-ammonia co-firing

technology. Similarly, the workshop held on November 1st, 2022, titled “Risk Management,” provided a platform for discussing risk management topics, such as improving the reliability and resilience of the power grid and ensuring a stable power supply. The aforementioned topics are of great significance to Taiwan's energy transition, as they lay the foundation for future practical cooperation and cover important areas such as energy storage, risk management, problem-solving experience about power systems, challenges and solutions faced by power companies in response to the development of electric vehicles, turbine blade, and PV panel recycling practices and solutions.

In the face of the challenge of achieving net-zero carbon emissions in the future, TPRI of TPC will continue to exchange ideas with members of ECCT LCI on issues such as grid security, transmission and distribution technology, and intelligent asset management for achieving net-zero emissions in the power sector by 2050, by introducing the best decarbonization approaches from abroad.



TPC and ECCT have joined hands to publish the “Paving the Way to Net Zero Power Report,” Wen-Sheng, Tseng, Deputy Minister of Ministry of Economic Affairs (front-left 4), Giuseppe Izzo, Chairman of ECCT (front-right 4), Yao-Ting, Wang, President of TPC (front-left 3), and other distinguished guests gathered together to exchange views.