



Virtual Power Plant Construction and Operation Development Forum

Introduction and topics

With the proposal of new infrastructure and carbon neutrality concepts, the social economy is gradually moving towards green and high-quality development. At the same time as higher requirements are put forward for the power supply capacity, safety, and power quality of the power grid, the dual carbon goal further leads the thinking of green and efficient operation of the power system, which is bound to promote widespread and profound changes in the power system. In this context, the energy industry has undergone many innovations, among which the concept of "virtual power plants" has gradually emerged and attracted widespread attention.

At the national, ministerial, and local government levels, policies and plans related to virtual power plants have gradually been implemented. In the "Action Plan for Carbon Peak before 2030" released by the State Council, it is emphasized to guide virtual power plants to participate in system regulation and help build a strong smart grid; In the "14th Five Year Plan for Modern Energy System" issued by the National Development and Reform Commission and the National Energy Administration, it is explicitly proposed to use virtual power plants as a new model and business model for smart energy demonstration projects. At present, the virtual power plant industry in China is still in the pilot stage of invitation system. With the development of the spot electricity market and auxiliary service market, virtual power plants are expected to move towards market-oriented operation.

Panel Session Chairs



Yi Ding

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Yi Ding is currently a Distinguished Professor at Zhejiang University and the Vice President of the College of Electrical Engineering. His main research interests include load regulation in power systems, integrated energy planning and operation, risk analysis of complex engineering systems, and electricity markets. He is a recipient of the National Distinguished Young Scholar Fund, National Young Distinguished Expert, and Chinese Excellent Technological Worker Award in the field of electric power.



Lvbin Ma

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Lvbin Ma is currently the Deputy General Manager of Zhejiang Huayun Information Technology Co., Ltd. He was awarded the title of "Most Beautiful Employee of Zhejiang University of Technology - 2020-2021" and recognized as an Outstanding Individual by the Power Consumption Professional Committee of Zhejiang Electric Power Society in 2020. His research achievements were awarded the Second Prize of Zhejiang Provincial Science and Technology Progress Award in 2020.

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