



News Release

May 17, 2023
Electric Power Development Co., Ltd.

J-POWER Invests in Kyoto Fusioneering Ltd.



UNITY / Test facility for fusion power generation system

Electric Power Development Co., Ltd. (J-POWER, headquartered in Chuo-ku, Tokyo; President: Toshifumi Watanabe) has invested in Kyoto Fusioneering Ltd. (Kyoto Fusioneering, Tokyo Office in Chiyoda-ku, Tokyo; President: Taka Nagao).

Kyoto Fusioneering is a startup company that was spun off from Kyoto University, and is responsible for researching and developing the equipment and systems for fusion reactors and plants in the field of plant engineering. Kyoto Fusioneering is building UNITY (unique integrated testing facility) for testing and developing world-leading technology in the cutting-edge field of fusion engineering, including a plasma heating system, heat extraction blankets, high-performance heat exchangers, and hydrogen isotope pumps. UNITY will be used for the integrated development and testing of the world's first series of specialized equipment for heat extraction and power generation from a fusion reactor under conditions closely approaching those of a real fusion power plant.

J-POWER will support Kyoto Fusioneering through this investment. Kyoto Fusioneering's initiatives will help to resolve social issues, such as climate change and energy security. The resulting technological advancements are expected to bring new value to J-POWER's power generation and hydrogen production businesses. With this investment, Kyoto Fusioneering's fusion engineering technologies will be combined with J-POWER's technological expertise and knowhow—cultivated from power generation—to contribute to society by accelerating the realization of fusion energy.



Gyrotron for heating plasma

Company Outline

Company name Kyoto Fusionering Ltd.

Website <https://kyotofusionering.com/en/>

Established October 1, 2019

Business Researching and developing equipment and systems for fusion reactors and plants in the field of plant engineering