



Press Release

August 01, 2024

Electric Power Development Co., Ltd.

SiRC Co., Ltd.

J-POWER and SiRC Form Capital Alliance and Begin Joint Exploration for the Development of Individual Device Measurement Meters

Electric Power Development Co., Ltd. (headquartered in Chuo-ku, Tokyo; president: Hitoshi Kanno; "J-POWER") and SiRC Co., Ltd. (headquartered in Chuo-ku, Osaka; CEO: Mariko Takahashi; "SiRC") have signed a memorandum of understanding for J-POWER to acquire shares through a third-party allocation of recently issued SiRC shares. The two companies will also jointly explore the development of individual device measurement meters.

SiRC produces advanced, ultra-compact, multifunctional SiRC Device sensor technology that measures electric power, current, angle, and frequency conversion in real time. The goal is to provide digital transformation (DX) solutions for the manufacturing industry. By combining sensors (that can be retrofitted in previously difficult locations) with their cloud services, SiRC's meters can be used for DX decarbonization solutions. These meters precisely predict and control electric power demand, provide analog DX solutions for maintenance inspections and production efficiency improvements of analog machinery as well as infrastructure DX solutions for maintenance and anomaly detection in aging infrastructure. In this way, SiRC is addressing societal challenges with unique sensing technology.

J-POWER anticipates that this capital alliance with SiRC will facilitate technical collaborations on energy solutions as well as water environment projects.

To achieve carbon neutrality by 2050, demand response (DR) will become more and more crucial, in addition to ever-increasing renewable energy sources, because DR helps balance the output fluctuations of power sources. In this context, J-POWER and SiRC will jointly examine the development of individual device measurement meters, which could expand the potential for DR in Japan. The two companies aim to contribute to realizing a decarbonized society by combining SiRC's IoT sensing technology with J-POWER's technology and expertise in power generation.

J-POWER has set "accelerating the implementation of innovation" as a goal, under [the medium-term management plan](#) and as one way to take on challenges in new areas. This alliance is J-POWER's thirteenth investment in a startup. Guided by [J-POWER BLUE MISSION 2050](#), announced in February 2021, J-POWER will accelerate the social implementation of carbon

neutrality and distributed societal solutions by combining assets and knowhow with the technologies and ideas of startups and other companies.

Reference

■ Demand response (DR)

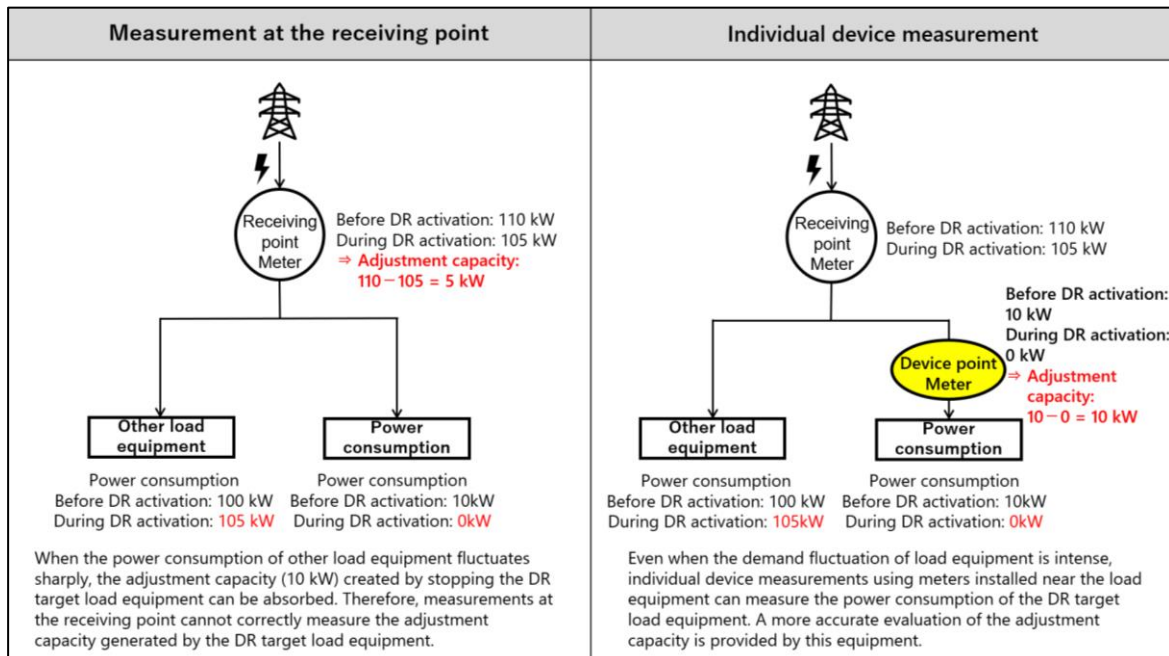
The adjustment of energy consumption patterns by end-use customers in response to power supply conditions.

■ DR through Individual Device Measurement




The measurement of power consumption using meters installed near load equipment rather than at the receiving point.

DR adjustment capacity is currently determined based on measurements at the receiving point. However, when the DR adjustment capacity is relatively small compared with overall demand, it might not be effectively measured due to the large impact of demand fluctuations. DR is becoming increasingly important as the adoption of renewable energy grows, so discussions are now focusing on adjusting capacity assessments through individual device measurements, starting in fiscal 2026.

Image of individual device measurement



SIRC's Main Products and Services

IoT Angle Sensor Unit Enables IoT conversion by retrofitting to existing analog meters.	IoT Power Sensor Unit Measures effective power for each device without any installation; attaches in 15 seconds.	SIRC Cloud Features automatic graphing of measured data, automatic recording of CO ₂ emissions, and notifications based on threshold settings.
		

Company Information

Name	Electric Power Development Co., Ltd.
URL	https://www.jpowers.co.jp/english/
Established	September 16, 1952
Business	Electric Power Business

Name	SIRC Co., Ltd.
URL	https://sirc.co.jp/
Established	February 18, 2015
Business	Product development and sales using SIRC Devices, energy-saving solutions, and R&D projects employing multiplier devices