

December 22, 2022

Meidensha Corporation

To members of the media

## **Meiden, subsidiary receive the 2022 Environment Minister's Commendation for Global Warming Prevention Activity**

Meidensha Corporation (Meiden) and one of its subsidiaries, MEIDEN KOHSAN CO.LTD., have received the 2022 Environment Minister's Commendation for Global Warming Prevention Activity. The minister's recognition was for introducing activity-based working<sup>\*1</sup> (ABW) and Meiden's multi-functional power conditioning system<sup>\*2</sup> (PCS) at MEIDEN KOHSAN's new head office building in Tokyo's Shinagawa Ward.

Meiden has also received the same commendation for developing and commercializing an Ecotank Type Vacuum Circuit Breaker (VCB) that does not use sulfur hexafluoride (SF<sub>6</sub>), a greenhouse gas – the first time in the world for this type of product.

The commendation given to Meiden and the subsidiary is in the category of "pioneering introduction and proactive implementation." The commendation given to Meiden alone is in the category of "product development and commercialization." Sponsored by the Environment Ministry, this commendation gives public recognition to individuals and entities that have made outstanding achievements in alleviating climate change and adapting to climate change.

The Meiden Group is the only corporate group to have received the 2022 commendation in these two categories.

<caption>

(Left): Isato Kunisada, Parliamentary Secretary of the Environment Ministry and a House of Representatives member

(Right): Takeshi Miida, Representative Director, President and Executive Officer

### **<1. Commended points for Meiden, subsidiary>**

- Pioneering introduction and proactive implementation category (Alleviation and adaptation field)

“Introduction of ABW and multi-functional PCS at MEIDEN KOHSAN’s new head office building”

- Outline of activities
  - The rebuilding of MEIDEN KOHSAN’s aged head office while introducing ABW  
Optimal allocation of windows to allow natural light into the office and use of LED light bulbs to drastically save energy
  - Introduction of multi-functional PCS developed by Meiden, which is used as a storage battery for power generated with solar panels; for charging and discharging power by EVs; and as a power source used at the new head office.
  - Certified as being the highest rank in the Building-Housing Energy-efficiency Labeling System (BELS), as well as ZEB Ready\*<sup>3</sup> as defined by the Ministry of Economy, Trade and Industry.
  - Use of carbon dioxide-free electricity generated by M Winds Co., Ltd., a Meiden group company, thereby emitting no CO<sub>2</sub> in Scope 1 and 2 and reducing annual CO<sub>2</sub> emissions by about 49 tons.

<Caption>

MEIDEN KOHSAN’s new head office building

## <2. Commended points for Meiden>

- Product development and commercialization category (Alleviation field)  
“Contributing to a decarbonized society: Ecotank Type Vacuum Circuit Breaker that uses no SF<sub>6</sub> gas, for the first time in the world for this kind of product”
- Outlines of activities
  - No use of SF<sub>6</sub> gas in order to make it smaller, lighter and economical. In 2020, Meiden says it developed and marketed 145kV Ecotype VCB for the first time in the world.
  - Reduction of greenhouse gas emissions by about 82 percent in the entire lifecycle of the product compared with those by gas circuit breakers, by replacing SF<sub>6</sub> gas with compressed dry air and using non-magnetic aluminum for the tank to drastically reduce conduction loss.



<caption>

145kV tank-type VCB

The Meiden Group aims to be a company that “works to build a new society through integrity to the Earth, society, and people, and through the power of co-creation,” and which pursues sustainable management.

\*1: Activity Based Working means a workstyle that allows employees to choose the time and place to work in a way that suits their type of job.

\*2: Power Conditioning System is a device to convert power generated by solar panels into power for the utility grid.

\*3: ZEB Ready is a certification given to buildings that have reduced primary energy consumption, excluding that of renewable energy, by 50 percent over standard primary energy consumption.