

August 28, 2023

Meidensha Corporation

To members of the media

## **Meiden installs power feeding equipment and other equipment for Haga Utsunomiya LRT**

**Contributing to sustainable community development through a new transit system**

Meidensha Corporation (Meiden) has installed power feeding equipment used for supplying electricity to carriages on the Haga Utsunomiya Light Rail Transit (LRT) system, which made its debut on August 26, 2023.

The LRT, a next-generation streetcar system, connects a 14.6-kilometer section between the East Exit of JR Utsunomiya Station and Haga Takanezawa Industrial Park, both in Tochigi Prefecture. This is the first time a new streetcar system has been introduced in Japan in 75 years.

The city of Utsunomiya is actively working toward becoming a city that can offer a cutting-edge public transportation system in order to improve public mobility and attract more visitors to revive the local economy. Addressing this challenge is particularly critical as Utsunomiya deals with an aging population, a chronically low birthrate and a significant decline in the use of public transportation due to the public's heavy reliance on automobiles.

As a symbol of the city's efforts, the LRT uses electricity as its power source. That means the system is environmentally friendly. In addition, all stations are fully accessible, with barrier-free features. These features help create a sustainable and comfortable living environment for everyone in the community.

In 2019, Meiden received an order for transformers and other equipment from the two local governments that launched the LRT project: Utsunomiya city and the town of Haga. The company installed many pieces of equipment in three of the four new substations: Imaizumi, Hiraide and Kiyohara. The equipment includes Vacuum Circuit Breakers (VR series); heat-pipe-cooled Silicon Rectifier that use eco-friendly pure

water as a coolant; ML Type DC High Speed Circuit Breaker with excellent safety features; and a power management system that can remotely control all four substations. Meiden has thus contributed to developing a sustainable community by installing electrical equipment that is eco-friendly and indispensable for ensuring safe operations for the LRT in a way that gives users peace of mind.

Meiden will contribute to realizing carbon neutrality by building and developing highly reliable railway infrastructure and providing products and services based on the technologies and expertise it has nurtured.



Monitoring and Diagnostic System for Power Receiving



Silicon Rectifier and transformer for the rectifier