

October 20
Meidensha Corporation

Meiden installs power feeding equipment for substations in recently opened section of Nishi Kyushu Shinkansen

Meidensha Corporation (Meiden) has installed power T&D equipment that are used in providing power to Shinkansen trains on the Nishi Kyushu Shinkansen line's Takeo Onsen-Nagasaki section, which opened on September 23.

In 2017, Meiden received an order to install equipment for substations for Nishi Kyushu Shinkansen from the Japan Railway Construction, Transport and Technology Agency.

The Takeo Onsen-Nagasaki section on the Shinkansen line features wider tracks used for Shinkansen trains, as opposed to the regular tracks normally used by conventional trains. Nishi Kyushu Shinkansen is part of Japan's project to extend Shinkansen lines. At the Takeo Onsen Station, Shinkansen passengers can transfer to a conventional train line across the same platform.

Meiden has installed a wide range of eco-friendly equipment to ensure safe operation of the Shinkansen line: all eight substation posts in the opened section (Shin-Isahaya Substation, Omura Rail Yard Substation, four auxiliary substations and two transformer posts). They include roof-delta connection transformers that are used for an extra high-voltage grid, Ecotank Vacuum Circuit Breakers (VCB) that do not use any greenhouse gases, and changeover switches that withstand extra high voltage.

Meiden is committed to using its experience and technologies to help build and develop highly reliable railway infrastructure.



Shin-Isahaya Substation