

Nissin Electric to Build New Production Shop for GIS at the Maebashi Works — Holding a safety prayer ceremony toward completion in March 2022 —

Nissin Electric Co., Ltd. has decided to build a new production shop for gas insulated switchgear (GIS) for substation equipment on the premises of the Maebashi Works (Maebashi City, Gunma Prefecture) and held a safety prayer ceremony on February 13 toward completion at the end of March 2022.

Nissin Electric has offered substation equipment for more than 50 years since the opening of the Maebashi Works in 1963 to meet electricity demand during Japan's high economic growth period. There will be growing demand for new GIS in line with the acceleration and expansion of the use of renewable energy and for replacement of substation equipment delivered during the high economic growth period. Against this backdrop, there has been a growing need for a new shop capable of coping with a further production increase. The current shop will be completely upgraded, and a new innovative and smart shop will be built on the premises of the Maebashi Works. Nissin Electric will invest about 3.8 billion yen in this project.

The overall production capacity will be increased by about 1.5 times by constructing the new shop, introducing new equipment, improving transport efficiency within the shop, and building an optimal, streamlined production line capable of seamless product production.

The following goals will be achieved by actively introducing AI and IoT to achieve high productivity and reduce the lead time.

- Visualizing the product manufacturing status and production equipment operation status
- Further promoting 3D design, linking the 3D CAD data with the information of sales, procurement, manufacturing, inspection, shipment, and on-site installation, and using the data efficiently
- Introducing the latest production technologies and automation systems, such as automation of inspection and automatic output of forms

Based on the above, Nissin Electric will build a system that can flexibly cope with changes in demand attributed to the market changes and ensure high customer satisfaction throughout the value chain from sales to on-site installation and adjustment.

[Profile of the new shop]

Location: 2121 Soja, Soja-machi, Maebashi City, Gunma Prefecture

Completion schedule: March 2022

Overview of the building: Steel-frame construction/Two stories above ground

Total floor area: about 9,800 square meters



Image of the GIS New Shop