

A photograph of a tea plantation with rows of tea bushes. Above the bushes, there is a complex metal structure supporting solar panels. The scene is captured during the day with some clouds in the sky. The text is overlaid on the upper half of the image.

[Management philosophy]
Sustainable farm management
to assure safety from tea fields
to the dining table

Ryutsu Service

Outline of Ryutsu Service Co., Ltd.

- As the fourth-generation owner of a tea wholesale store established in 1905, President Hattori founded Ryutsu Service in September 1989.
- Soon after its foundation, the company began to grow and produce tea in tea fields and became a certified agricultural corporation.
- In 2007, President Hattori was engaged in the establishment of the Tencha production plant, Tenryu Agri Farm, to increase the production of Matcha. He became an executive of the plant.
- In 2013, Ryutsu Service became the first tea producer in Japan to gain permission to install solar panels over tea fields, and installed 50kw or less panel systems at three locations. Five low-voltage and two high-voltage panels were installed under the feed-in-tariff (FIT) program.
- In 2023, an 80kw solar panel system was installed over the tea fields behind the company for personal consumption, and double-tier racks were installed, an essential item to produce high-quality Matcha. (A patent was obtained in September 2024.)

Views from under and outside the solar panels

Protection against drought and the sun in scorching weather

The temperature under the solar panels is controlled to be 3 to 5° lower than the temperature outside.



Tencha in a shading period

Keep out external light in stages



Under the solar panels

Tencha in a shading period

Keep out external light gradually in two stages



Differences in frost damage between tea fields under the solar panels and normal ones



No frost observed under the solar panels



Frost observed on normal fields





A ONCE-IN-A-CENTURY
PERIOD OF TRANSFORMATION

IN TODAY'S
WORLD...

Today's world is witnessing a steady increase in Matcha products and cafes.



The Shizuoka model agrisolar power plant

