

What is RaiWay?

Nakamura Kiko / YN2-TECH has launched the **RaiWay** brand to promote **Green Transformation (GX)**.

Why do we promote GX under the RaiWay brand?

- **Rai** represents the source of food and natural resources.
- **Way** represents the technological pathway toward creating new sustainable value.

Under the RaiWay brand, we are building a **Technology Collaboration Ecosystem** that integrates agriculture, food processing technologies, and food waste upcycling technologies utilizing 3D printing.

As a hub for **Machine Coordination**, we connect Japanese technologies with customers, universities, and government organizations, working together to promote the principles of GX worldwide.



RAIWAY

A Circular System that Uses Japanese Technology to Process Food and Transform Food Waste into Valuable Resources

RaiWay is a solution developed in the field of **Green Transformation (GX)**. It utilizes advanced processing technologies to process food materials and convert food waste into reusable, value-added resources.

By integrating technologies such as **separation, extraction, concentration, drying, and upcycling**, RaiWay helps industries reduce waste, lower treatment and disposal costs, and promote a sustainable circular economy.

Solutions

Squeezing

Using screw press technology, food waste is separated into liquid and solid fractions, reducing waste volume and moisture content by approximately **50–70%**.

Vacuum Evaporation and Drying System

Through vacuum evaporation and spray drying technologies, valuable components and nutrients are preserved while being transformed into high-quality concentrates and powders.

Upcycling and Circular Economy

The recovered resources can be repurposed into:

- Animal feed
- Cosmetic ingredients
- Bioplastics
- Other environmentally friendly products

All processes can be monitored and managed through a dashboard, enabling efficient support for GX and ESG initiatives.

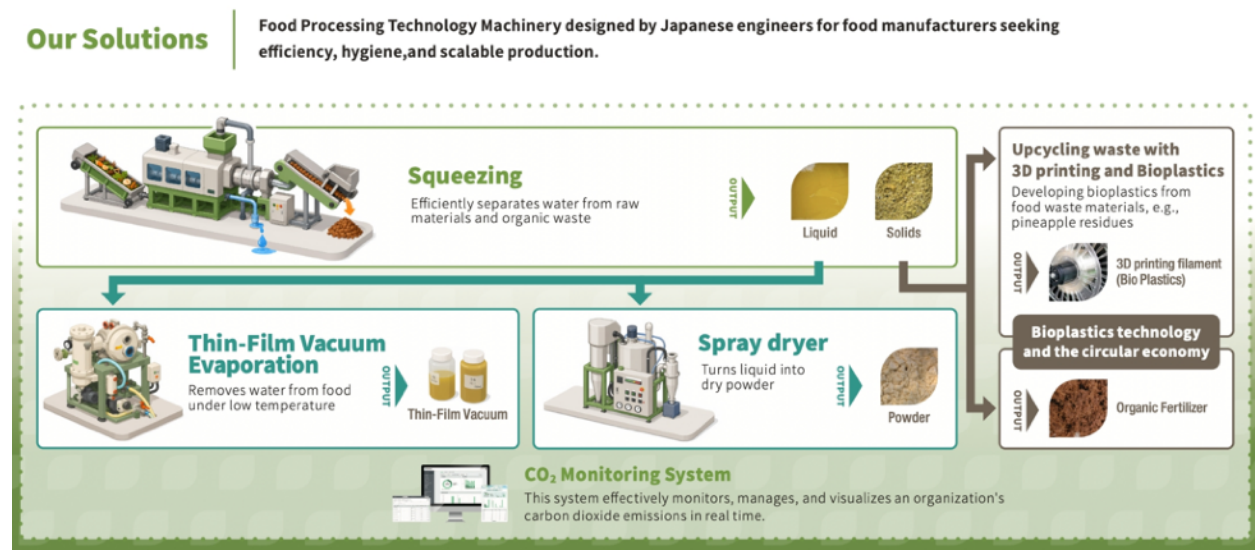
Expected Benefits

- Reduction of food waste and CO₂ emissions
- Lower transportation and disposal costs
- Improvement of odor and hygiene conditions
- Value creation from waste resources
- Creation of sustainable business opportunities

- Support for achieving ESG and circular economy goals

Collaboration for a Sustainable Future

RaiWay collaborates with companies, universities, research institutions, and government agencies to develop practical GX solutions for the industries of the future. Through these partnerships, RaiWay aims to accelerate the transition toward a more sustainable and resource-efficient society.



Join Us

Come aboard the **RaiWay** ship and embark on a new journey with us.

Join researchers, universities, and partners from around the world as we travel together toward a more sustainable future.

As a valued member of this journey, let's work together to create a future filled with sustainability, innovation, and new possibilities.



For more information, please visit: [RaiWay Project Official Website](#)