

New Business

Under the keywords of “decarbonization,” “sustainability,” and “healthy and comfortable lives,” we develop new businesses based on our research achievements and extensive experience. We continue to take on challenges toward realizing an eco-friendly future. We are currently focusing on hydrogen, algae, and wood biomass power generation. We will offer new technologies.

HHOG™

High-purity
Hydrogen Oxygen
Generator



Generate CO₂-free hydrogen using renewable energy

The High-purity Hydrogen Oxygen Generator (HHOG™) directly electrolyzes deionized water and generates high-purity hydrogen gas on-site without using any toxic chemicals. We have a supply track record of more than 200 HHOG™ units globally, as utility generation equipment used in various factories.



Algae

(Golden Euglena)



Developing proprietary functional compounds for healthy and comfortable lives

Our original strain has been patented in more than 10 countries around the world. Consumption of paramylon EOD-1 (Golden Euglena) is expected to affect the immune, nervous, and endocrine systems via the intestines and help maintain and improve homeostasis, which is the foundation of health.



Golden Euglena (EOD-1 strain)

Paramylon-rich Euglena EOD-1 supports healthy lives as a health food. Our track record of blending it in foods and supplements continues to expand.

Wood biomass power generation



Contributing to preserving the global environment through renewable energy

Wood biomass power generation is carbon neutral, contributing to CO₂ reductions and curbing global warming. By using thinned wood as fuel, we contribute to the development and maintenance of forests as a whole.



Iitate Mirai Power Plant

Currently under construction in the Warabidaira ward of Iitate Village, Soma, Fukushima Prefecture. Operations are expected to begin around spring 2024.