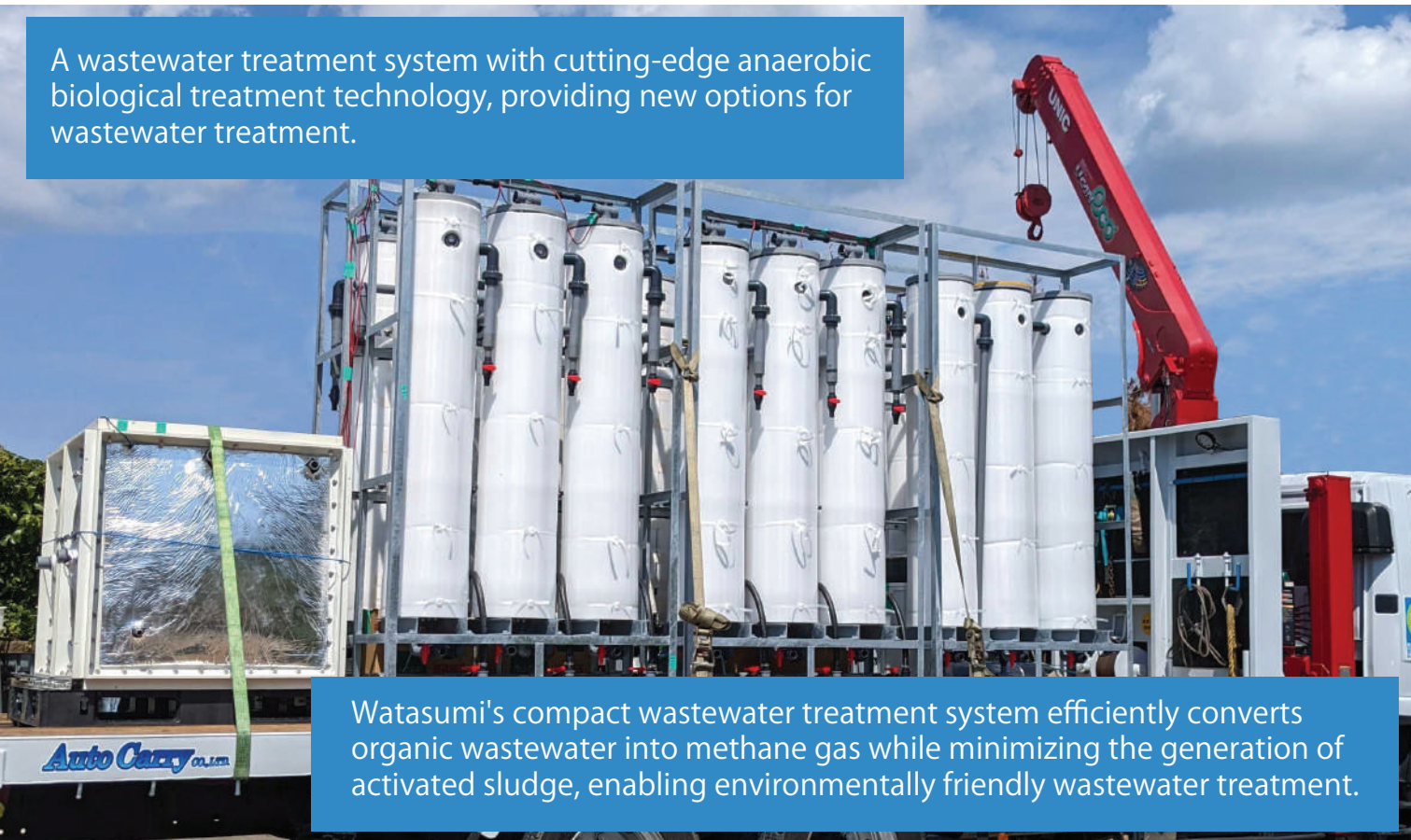


Low cost, small footprint, and significant reduction of CO2 emissions

## New Wastewater Treatment System for the Beverage and Food Industry

A wastewater treatment system with cutting-edge anaerobic biological treatment technology, providing new options for wastewater treatment.



Watasumi's compact wastewater treatment system efficiently converts organic wastewater into methane gas while minimizing the generation of activated sludge, enabling environmentally friendly wastewater treatment.

### Significant Cost Reductions

There is no need to build expensive aeration tanks, minimizing electricity costs and the generation of activated sludge, which can be problematic. The system is virtually maintenance-free and stable, with significantly reduced labor costs for operation.

### Environmental Regulation Compliance

Wastewater with COD levels of tens of thousands of ppm or higher can be treated to a level suitable for discharge into rivers through the Watasumi System.

### CO2 Emissions Reduced by over 90%

Organic matter contained in the wastewater is converted to methane gas with high efficiency. By utilizing the generated methane gas, CO2 emissions are reduced by more than 90% compared to conventional methods.

### Small-Scale Installation Possible

The adoption of a compact 100L module allows for flexible configuration, ranging from small to large scale, based on wastewater volume, concentration, budget, and available installation space.

An environmentally friendly and cost-effective new wastewater treatment solution:  
**WATASUMI SYSTEM**



Questions, comments?  
We would love to hear from you!  
[contact@watasumi.com](mailto:contact@watasumi.com)

SDG Goals  
achievable  
with this product



## Products & Services

### Wastewater Treatment

- Sell/lease the system and charge a monthly fee
- Installation of equipment according to the site
  1. Install the utility as an add-on in existing facilities
  2. Install full system at sites without treatment facilities
- Optional maintenance contract available
- Sold/leased with subsidies from governments



**Watasumi**

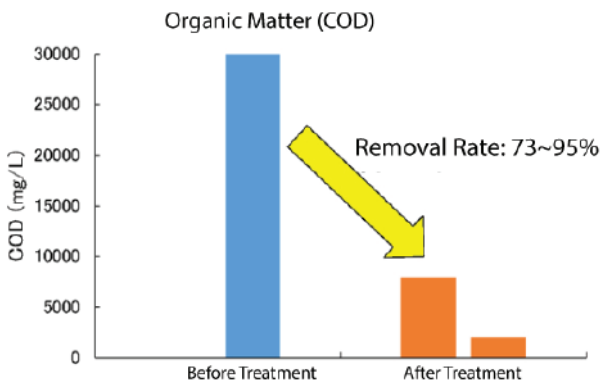
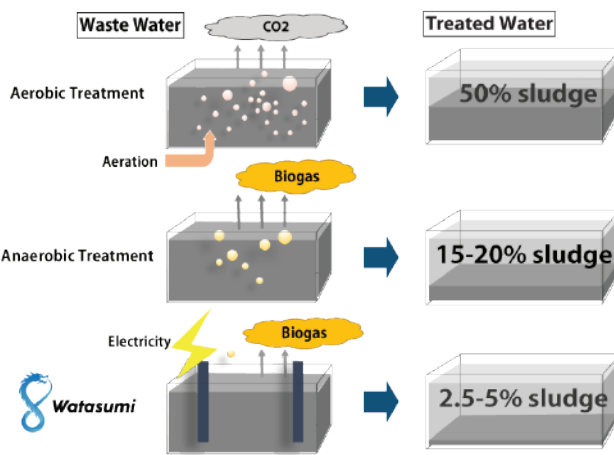
Selling/Leasing  
Watasumi System



Purchase/  
Leasing Fee  
(Option:  
Maint. Fee)



Small & Medium  
Distilleries



## Why **Watasumi** ?

### Reduction of Running Cost and CO<sub>2</sub>

- System can be scaled for SMEs
- No on-site operator needed to manage the system
- The treatment rate is equivalent to or higher than general method, while energy consumption is reduced by 80% or more.
- Reduces CO<sub>2</sub> emissions by 90% or more compared to conventional methods

	Aerobic (Active Sludge)	Anaerobic Digestion (UASB)	Advanced Aerobic with Membrane (MBR)	<b>Watasumi</b>
Running Cost	✗	△	△~○	○
Capital Cost	△	✗	△	△
Ease of Operation	△	✗	△	○
Treats High Organics	✗	○	✗	○
Small Footprint	✗	△	○	○
Easily Expandable System	✗	✗	△	○

## About **Watasumi**

### Startup established in 2021

With over 10 years of experience in wastewater treatment, David Simpson has successfully executed multiple proof of concept projects around the world.

- Highly scalable, reliable, and versatile treatment technology, validated with diverse wastewater types in real factory settings
- Exclusive license holder for a patent with OIST (JPNO. 7228898)

