



May 20, 2026

Organo's continuous AGS system "AGSOR" achieves official certification from the Tokyo Metropolitan Government

Organo, the leading company in Japan and across Asia, US in water and wastewater treatment services, announced that **Tokyo Metropolitan Government, the Bureau of Sewage, certified Organo's continuous aerobic granular sludge system, AGSOR[®], as the "practical technology" in March 2026.**

1. Background

Conventional activated sludge process has long been widely used as a cost-effective method for biological wastewater treatment. However, it has faced some issues such as unstable treatment performance and requirement for increased footprint due to its lower settleability in the clarifiers and difficulty in maintaining high sludge concentrations.

To address these issues, **the Tokyo Metropolitan Government and Organo conducted joint research aimed at the practical implementation of continuous aerobic granular sludge system** to the existing wastewater treatment facility.

2. System performance

Aerobic granular sludge consists of high-density aggregation of microorganisms over 200µm. This innovative process "AGSOR" can offer superior sludge settling and higher biomass content in the reactors, therefore **1.5 to 2 times higher treatment capacity and biological nutrient removal** can be achieved at the same time without adding any chemicals or media by just installing a small side-tank GFT (Granule Forming Tank). **AGSOR[®] can also reduce facility renewal and maintenance costs significantly** by allowing for smaller biological reactors and clarifiers.

[AGSOR[®] | Organo Organo Corporation](#)

3. Joint research with the Tokyo Metropolitan Government

Since 2020, **8MGD full scale demo** has been conducted in collaboration with the Tokyo Metropolitan Government at the Sunamachi Water Reclamation Center (Koto, Tokyo), where granular sludge was introduced into existing reactors directly. After 4+ years continuous operation, the following research objectives were consistently achieved, leading to the technology being officially certified as the "practical technology" by the Tokyo Metropolitan Government in March 2026:

1. Treatment capacity increased by 1.5 times or more than that of the conventional system
2. Power consumption required for the granular sludge system equal to or lower than that of the conventional system
3. Advanced-level nitrogen removal performance at a treatment capacity equivalent to that of the conventional activated sludge process (HRT of 6 hours or longer)



Full scale GFT at Tokyo 8MGD demo

4. Expansion in Japan and North America

Following the success in Tokyo, Organo has received many inquiries from other major municipalities across Japan. In addition, **1MGD full-scale demo has been conducted currently in Kansas, USA**, and has also received strong interests and inquiries from municipalities in North America.



Full scale GFT at Kansas 1MGD demo

5. Contact

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