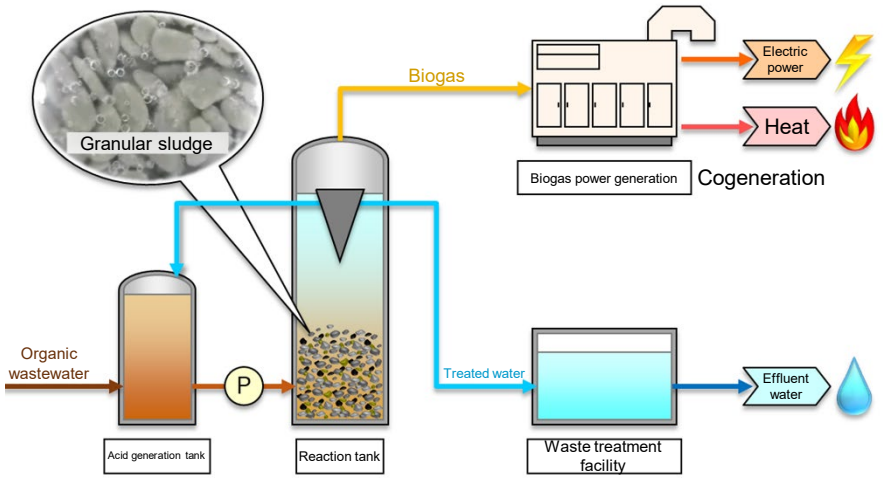
Biogas Gas Generation from Organic Wastewater and the Utilization

R&D | FS/Demo | **Product/ Service**

Sumitomo Heavy Industries Environment Co., Ltd.

- This system captures biogas from organic wastewater generated in the production process of food-processing factories and the like. The biogas captured will be used as a fuel for power generation, and the electric energy will be recovered for utilization. **This system offers opportunities for energy creation, reduced environmental impacts, and reduced waste disposal costs.**
- The anaerobic wastewater treatment (methane fermentation) system that does not require oxygen treats organic substances in wastewater. Unlike aerobic treatment, this treatment does not require power for aeration, **contributing to energy saving and CO_2 emission reduction**.
- **This system significantly reduces the amount of sludge generated and decreases the volume of waste materials to be treated.**
- **This system will contribute to a sustainable society by preserving the water environment through water purification and using biogas as a fuel.**



Carbon Neutral Contribution points

✓ Generating biogas from organic wastewater. **The consumption of fossil fuel at a factory can be reduced by using biogas as a fuel.**

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