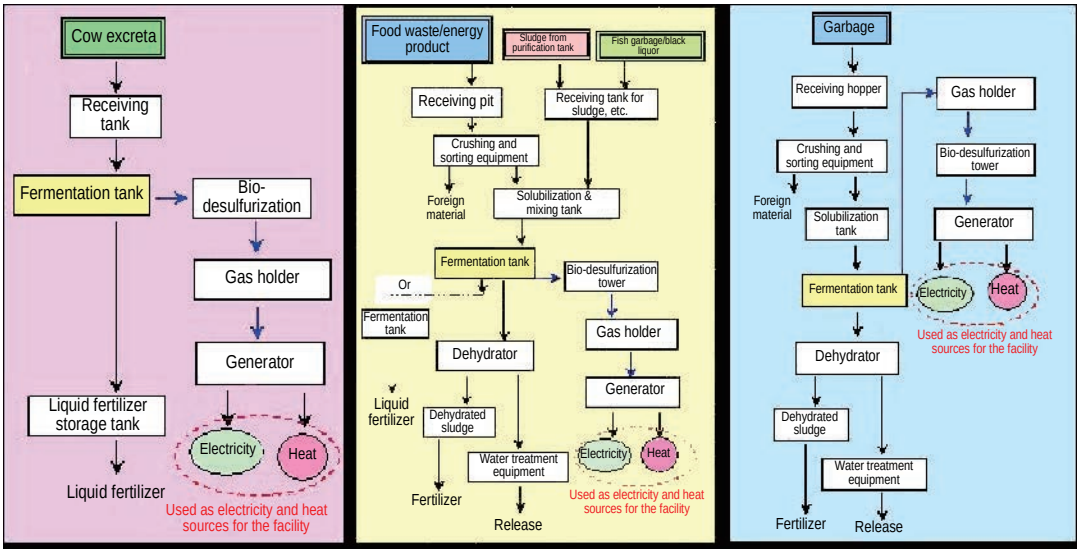
Technical Information Sheet

1. Name of technology	Bio gas utilization technology
2. Type of technology	This technology uses unused biomass (garbage, sludge, livestock excreta, etc.) to recover energy by methane fermentation. This technology is used to acquire energy such as purified gas, heat, and electric power using bio gas.
3. Description of technology	
Objective, application, characteristics, delivery record, and price of technology	**[Objective and application of the technology]** This technology is used to acquire regenerated energy from unused biomass. **[Characteristics of the technology]** (1) Prevention of river pollution, groundwater pollution, air pollution, soil pollution, and other pollution and reduction of global warming gas emissions (shift from fossil fuel to biomass fuel) (2) Various system flows available according to the type of biomass (3) Utilization of fertilizer with fermentation liquor as well as acquisition of energy (4) Generation of electricity and city gas through gas purification **[Delivery record]** Domestic: 13 facilities Overseas: 3 facilities  **[Price and other inquiries]** Please contact the office and person in charge below.
4. Classification of technology	
(1) Applicable fields	Municipal solid waste treatment, Industrial waste treatment
(2) Target waste	Food waste/raw garbage, Other
(3) Services provided	Plant construction
5. Countries to which this technology can be provided	Korea, China, Southeast Asia
6. Keywords	Methane fermentation, biomass raw material, gas power generation, bio-desulfurization, liquid fertilizer utilization
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