

Creating Sustainable Water Management System through PPP

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Swing Corporation
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Sustainable Water Management System



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Biomass Recycling Facility

Multiple Recycling System of Sewerage Sludge and Industrial Food Waste in Kurobe City, Japan



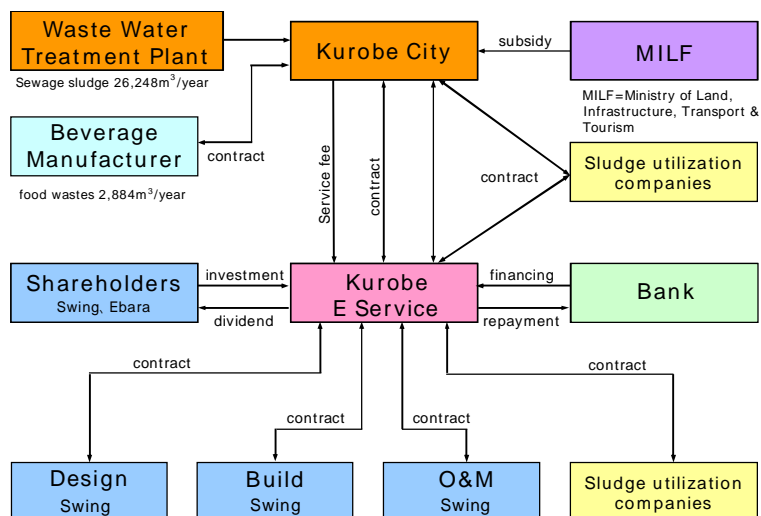
First biomass recycling plant in Japan using PFI method completed in 2011

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Business Scheme – a PFI Project



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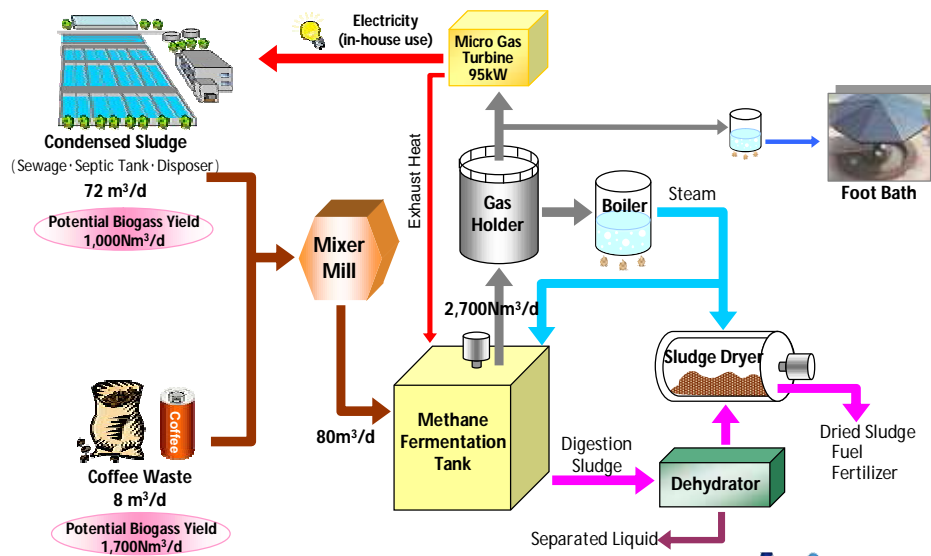
Overview of Methane Fermentation Plant



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System Configuration



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Benefits to Each Stake Holder

◆ Local Municipality

- Sludge discharge reduced by 60%
- Utilization of sludge as resources (alternative fuel, fertilizer)
- Reduction of fuel for sludge drying
- Supplements 10% of electricity supply for the waste water treatment plant

◆ Local Community

- Foot Bath Facility (Several hundred local residents visit every month)

◆ Local Industry

- Reduced waste disposal cost

◆ Biomass Power Plant

- Alternative source of fuel



Foot Bath

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KOBE Harvest Project

Harvesting rich resources from sewage; B-DASH, a PPP project supported by Ministry of Land, Infrastructure, Transport and Tourism



Recovered Phosphorus



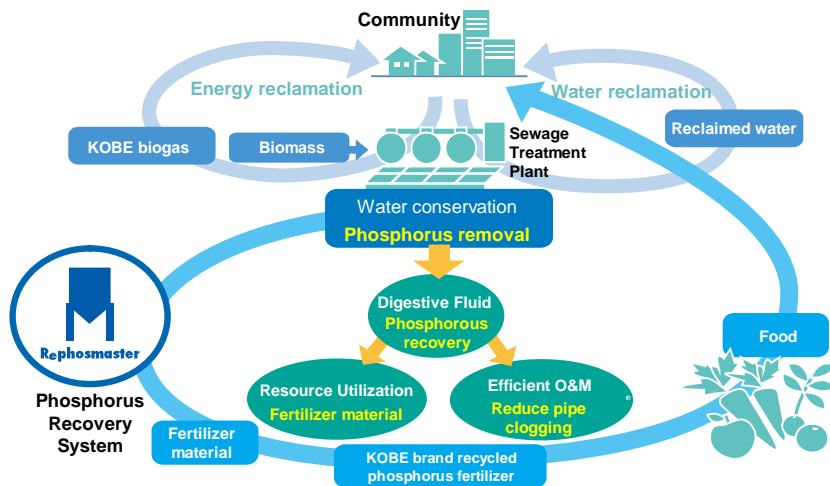
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Project Scheme

Protect environment by phosphorus recovery from sewage



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Industry – Government Collaboration

Establishing a resource recycling system through Industry-Government collaboration



3社の力で「資源再生の環」の構築とシステムの普及展開を実現します。

Establishing a resource recycling system and diffuse departure through industry-government collaboration.

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"Creating" "Managing" "Innovating"
Water System

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