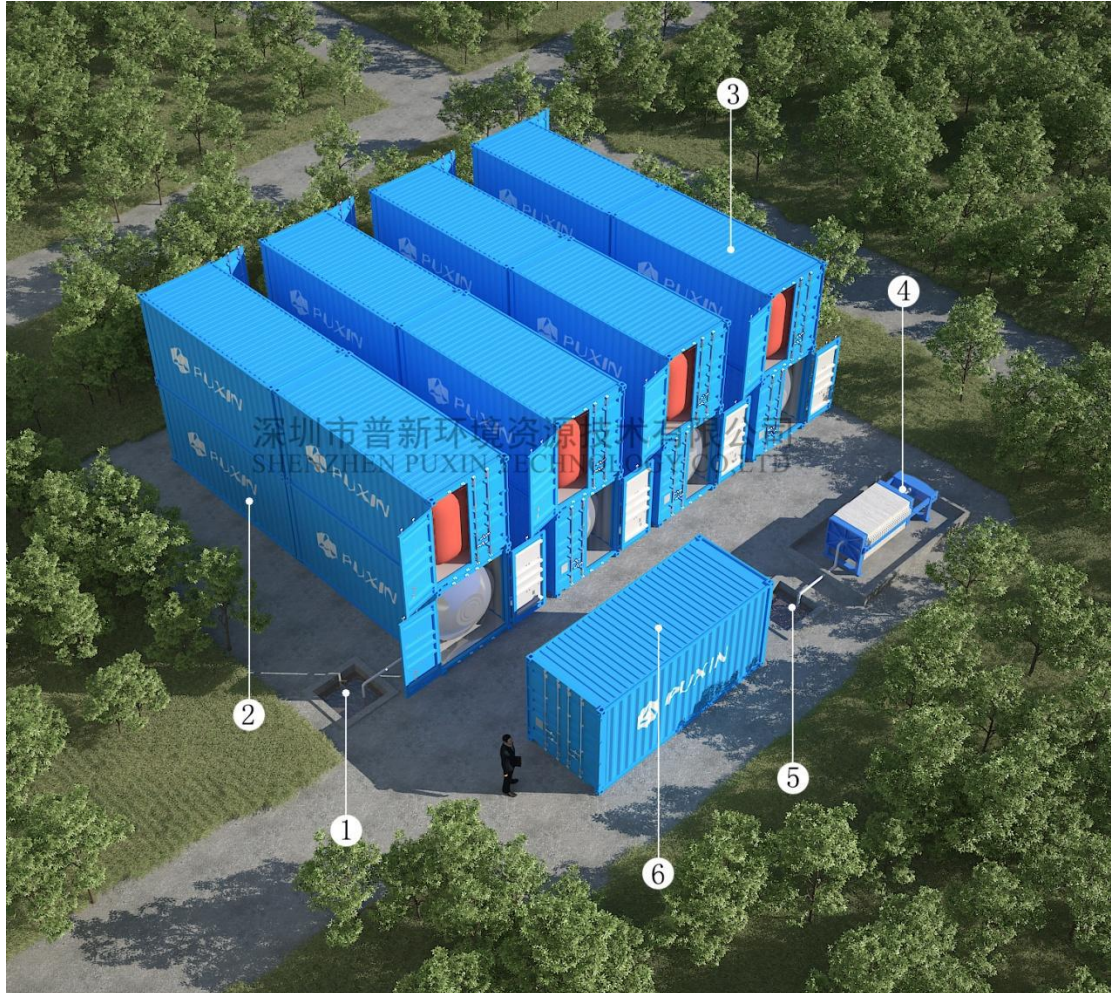


Automatic Sludge Resource Treatment System



1. Concentrated sludge tank, 2. Constant temperature anaerobic reaction tank,
3. Biogas storage device, 4. Digested sludge dewatering device,
5. Digested sludge pool, 6. Heating system and control room



Constant temperature anaerobic reaction tank

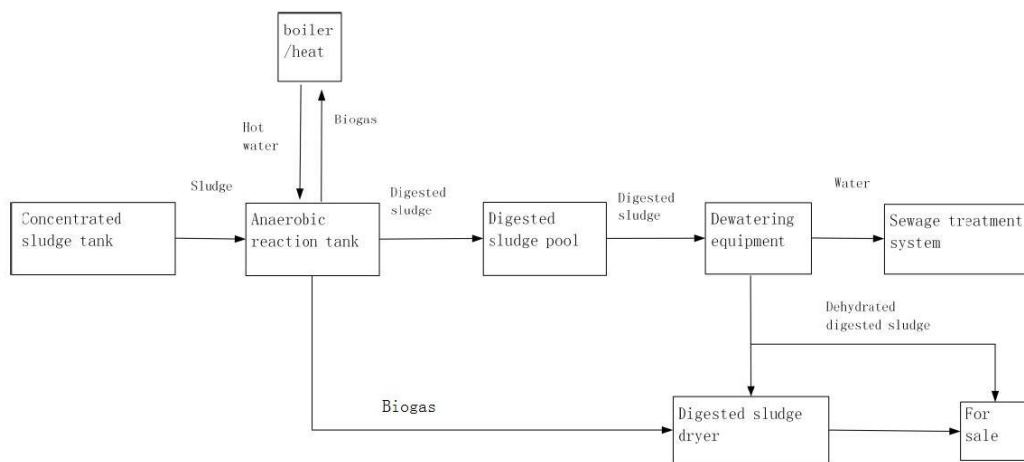
Technical introduction::

The automatic sludge resource treatment system is specially designed and developed for the resource-based and harmless onsite treatment of sewage sludge. The process used in this system is a medium temperature or high temperature constant temperature anaerobic reaction process. The anaerobic reaction process is carried out in a completely closed anaerobic reaction tank without odor leakage. The sludge treated by the anaerobic reaction of the system is a odorless and hygienic stable digested sludge (biogas residue). Digested sludge (biogas residue) is a high-quality organic fertilizer that can be directly extracted for greening or agriculture. The digested sludge (biogas residue) can also be transported for deforestation or dewatering and dried before being transported for

greening or agriculture.

The automatic sludge resource treatment system is mainly composed of stainless steel constant temperature anaerobic reaction tank, automatic control system, biogas system (including biogas collection, storage, purification and combustion equipment) and digested sludge dewatering equipment. According to the customer's needs, it can also increase the drying equipment for the dehydrated digested sludge.

Process flow:



The main advantage:

1, high return:

a. Converting the raw sludge that was originally a source of pollution into a harmless high-quality organic fertilizer not only saves sludge treatment and disposal costs but also benefits from the sale of organic fertilizer.

b. Can produce a lot of clean energy - biogas.

2. Environmentally friendly:

a. It can eliminate the secondary pollution of sludge to the environment.

Because the sludge is converted into a harmless and stable organic fertilizer, it eliminates the secondary pollution of the sludge (including the odor pollution of the sludge during dewatering, stacking and transportation; and the final disposal such as landfill or incineration for the environment Pollution)

b. Reduce greenhouse gas emissions; methane is a strong greenhouse gas.

The system collects methane (the main component of biogas), after biogas dehydration and desulfurization, and burns it as fuel.

3. Less land occupation. Because the system is very efficient, it occupies less space. The system has all the conditions needed for a fast anaerobic reaction, including optimal reaction temperature and optimum pH control, as well as fully automated agitation.

4. Fully automatic: The control of feeding, discharging, mixing, temperature control and PH value is set and controlled by computer program.

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