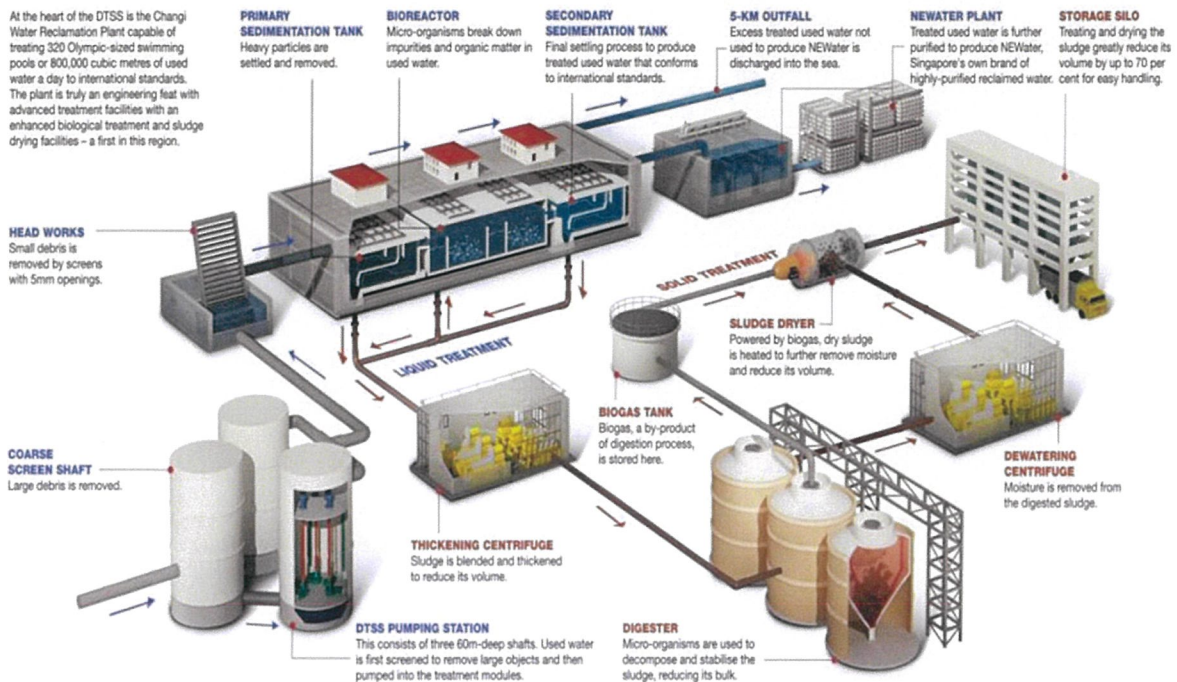




# VEGA<sup>®</sup> Anaerobic Digester Design with VEGA Technology



## Anaerobic Digester Design with VEGA Technology

Among the options in Anaerobic Digester design, is to reduce vector attraction, the one requiring a 38 percent reduction in volatile solids by anaerobic digestion is particularly applicable to the discussion of design principles.

The alternative process arrangements for anaerobic digestion include (1) suspended growth, (2) sludge blanket, and (3) attached growth.

Two temperature regimes are used in anaerobic digestion: mesophilic (30°C and 38 °C) and thermophilic (50°C to 57°C). Although the thermophilic range has the advantages of increased reaction rates that result in smaller digesters, increased solids destruction, and increased destruction of pathogens and better dewatering, they have not found wide application for municipal sludges. The reasons for lack of use include higher energy requirements, poorer quality supernatant, and less process stability.

In view of this, VEGA technology has been adopted by as part of the microorganisms responsible for hydrolysis and acid fermentation.

Talk to us today to find out more.

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