

# Anaerobic technology reduces sludge production

Up-flow Anaerobic Sludge Blanket (AqUASB®) technology increases biodegradability, removes COD and volatile organic compounds (VOC), and degrades halogenated organic compounds, according to Austep, a supplier of anaerobic technology.

AqUASB plants are compact and modular, and operate with high organic loads in either concrete basin or stainless steel reactors. The three-phase separator retains biomass in the reactor, collecting the biogas and segregating the clarified effluent. In general, further sedimentation of the effluent is not necessary.

Advantages of the process include:

- Low sludge production;
- Low energy consumption;
- Methane byproduct;
- Low volume and space demands;
- Rapid capital recovery and;
- High efficiency treatment.

**Austep S.r.l.**

*Milan, Italy*

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