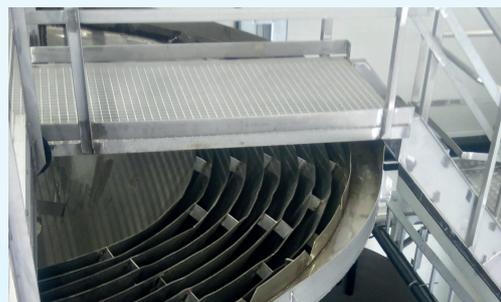
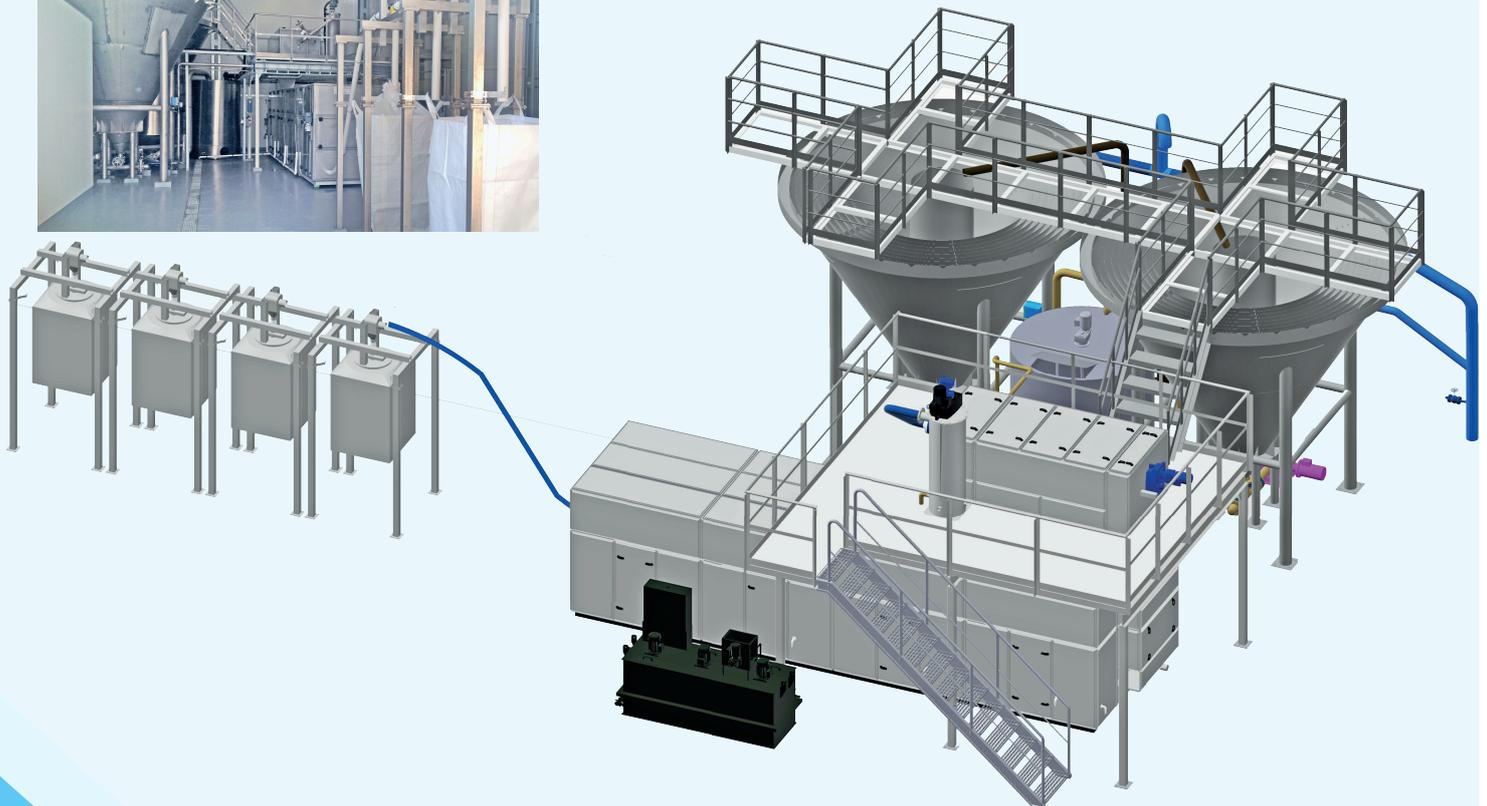


Sterner's fish SLUDGE TREATMENT



The sludge treatment (MDD-process) has been developed for dewatering and drying of the sludge fraction from effluent treatment in aquaculture. Gas production has been successfully adapted on the basis of sludge, directly from water effluent filtration.



The unique feature of the gas process is its compactness for being anaerobic, as methane-producing bacteria normally works very slowly.



The sludge treatment

The MDD-process has been developed for de-watering and drying of the sludge fraction from effluent treatment in aquaculture.

- Can handle variable loads (volume and concentration)
- Gives a stable dry matter content of 90 % on end product (storage stable)
- Has a low energy need and low running costs
- Has a low need for maintenance and inspection
- Easily can be expanded to larger effluent volumes

The gas production

Sterner's ABR-process produces biogas and removes suspended solids in effluent water from aquaculture. In this way effluent treatment is combined with energy production.

This is of special interest in larger plants, where traditional mechanical dewatering and drying becomes too large and energy demanding.

The sludge residue may be dewatered in the Sterner MDD process. The energy can be used in other processes and improve the energy balance.



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