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*Solar Drying of  
Sewage Sludge*



**Wendewolf®**

# Handling Sewage Sludge is a Problem

Any Sewage Water Work throughout the world will produce sludge, a form of biomass growing in the basins. When mechanically dehydrated to 20 - 25 % dry matter, most of it is still water, on average 750 to 800 kg per ton of filter cake.

This remaining water can only be extracted with thermal methods.

## The sun is our option!

In southern areas open air drying beds or sludge lagoons are widely used but have shown some well known serious problems such as:

- Bad odours
- Polluting the ground water
- General hygiene for the people handling the sludge
- Breeding ground for insects and germs
- Difficulties in emptying or refurbishing when filled up
- Difficult to use the final product as a fertilizer in agriculture

## Wendewolf® the Heart of the Drying Plant

**Wendewolf®** runs on two parallel walls 12m apart, 0.85m high and up to 120m in length. The central part is a drum on which different combs and paddles are fixed which cut the sludge's surface and aerate the lower parts. The drum can be lowered from a free height of 50 cm to the ground.

**Wendewolf®** can move and rotate in both directions and is controlled by frequency driven motors.

**The sludge is transported automatically through from the hall's entrance to its exit!**

# Wendewolf®



Kläranlage Albstadt (DE)



ARA Aeuli, Sargans (CH)



ARA Vils (AT)