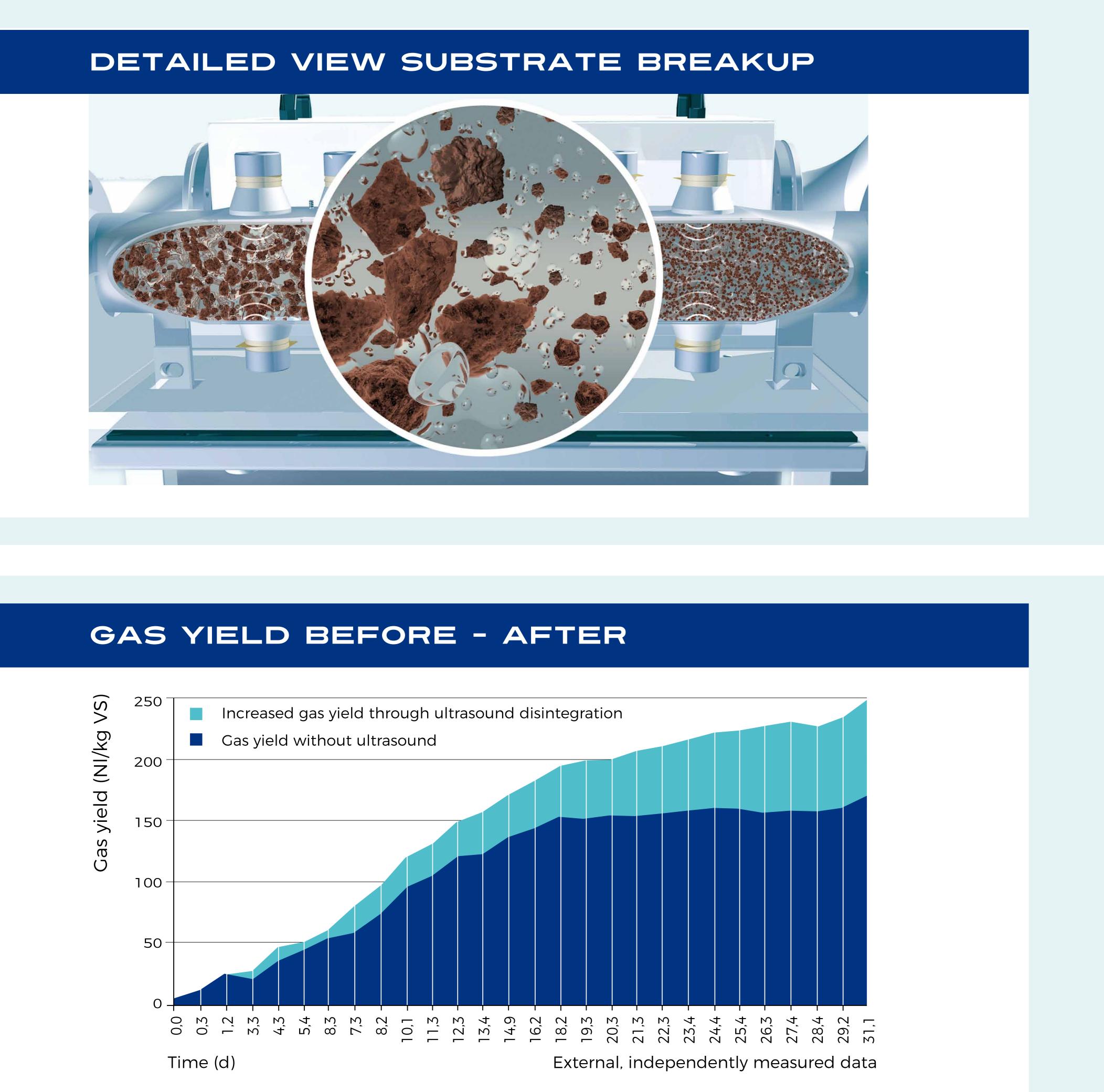
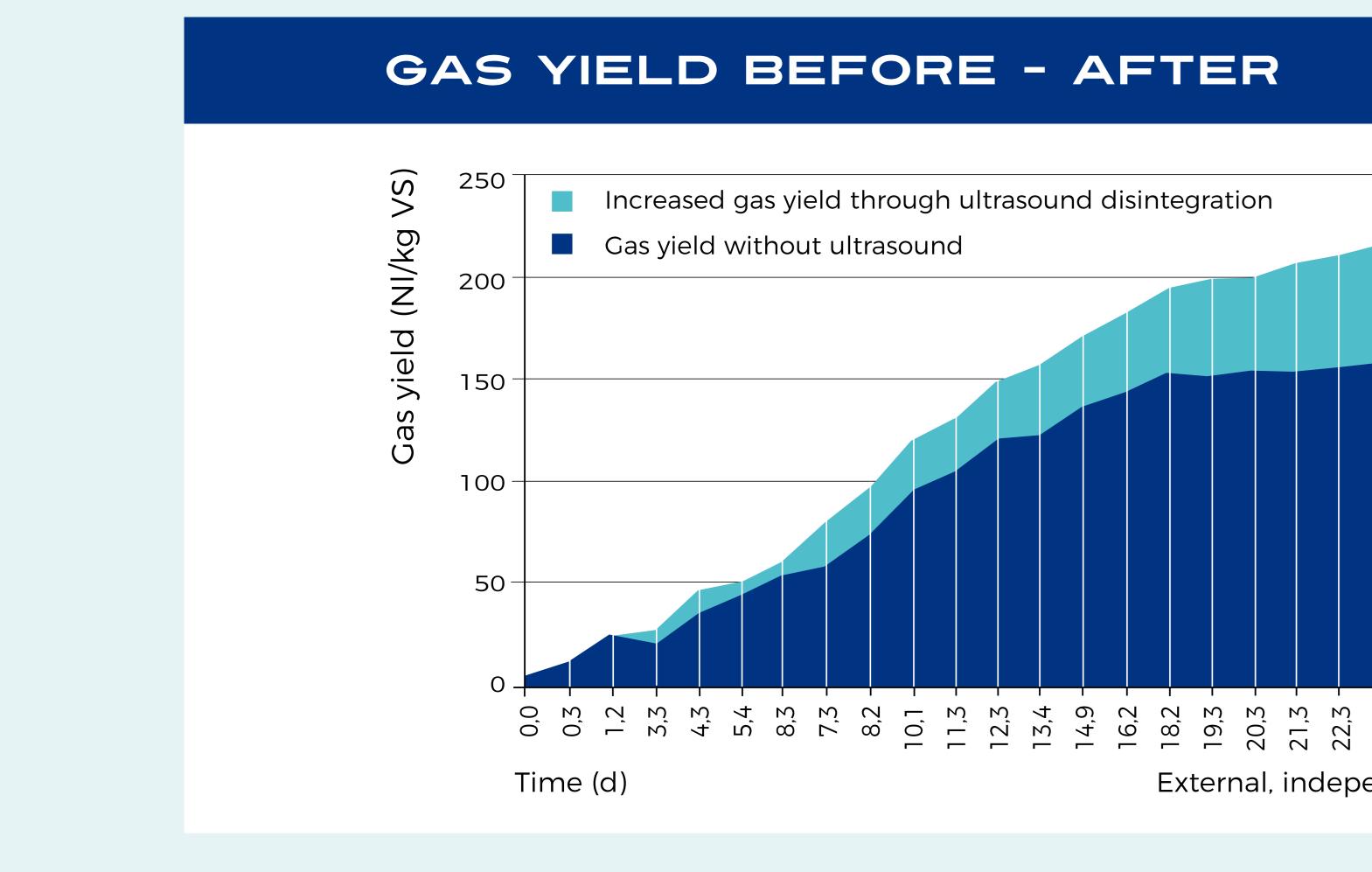
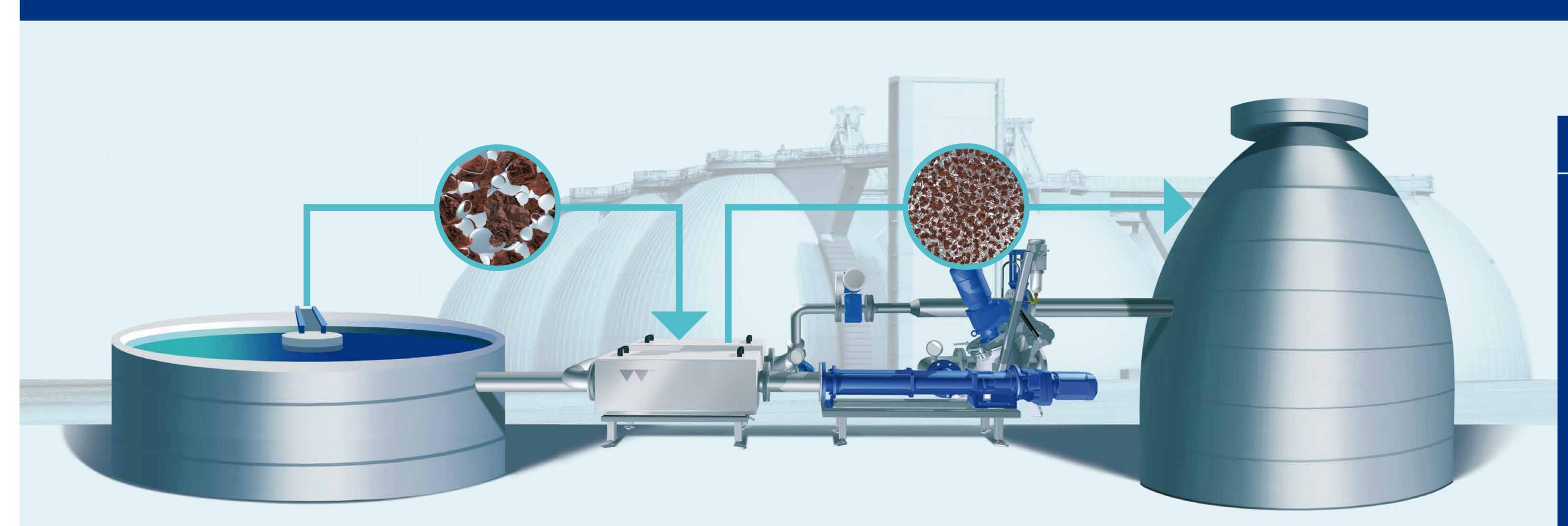
# ULTRASOUND DISINTEGRATION

# SUBSTRATE BREAKUP WITH ULTRASOUND

The ultrasound system of Weber Entec effectively disintegrades substrate at cellular level and enlarges hereby the substrate surface. Consequence is an increased degradation acceleration, which leads to an increased biogas yield. Also the sludge viscosity will be decreased significantly as well as the dewatering capability of the sludge will be improved.

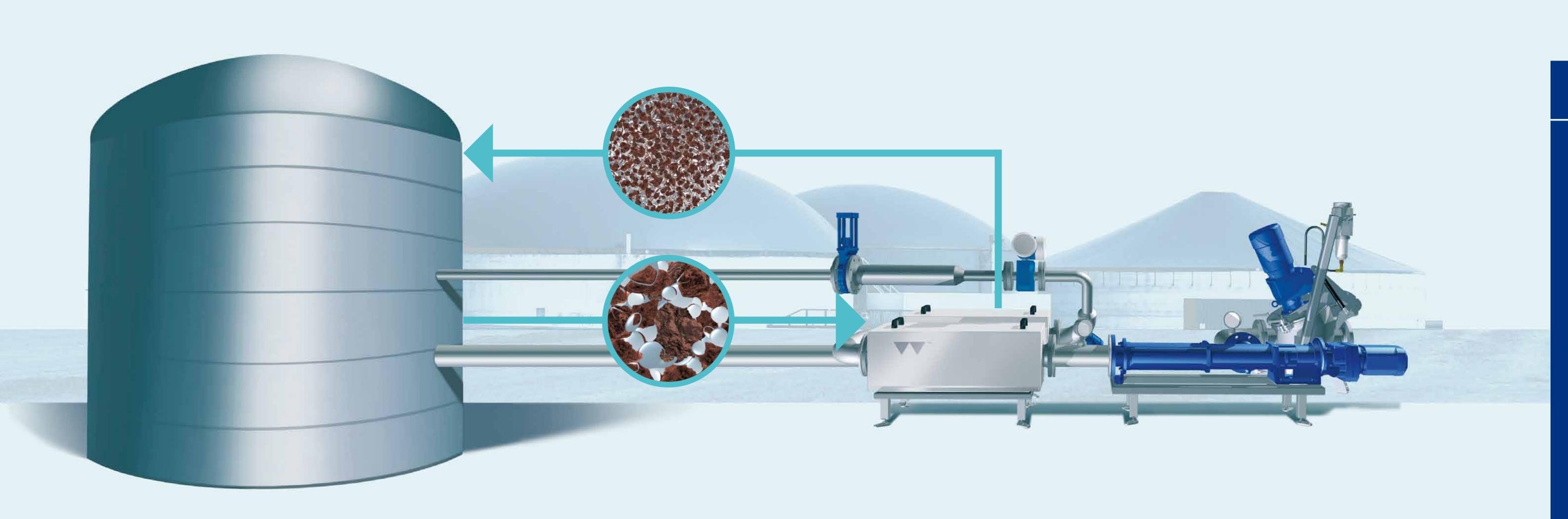






TWAS





Main digester

## POSSIBLE INTEGRATION AT WWTPs

Ultrasound unit

digester

# POSSIBLE INTEGRATION AT BIOGAS PLANTS

Ultrasound unit



## YOUR BENEFIT

### OPTIMISED PROFITABILITY

- Improve dewatering
- Reduce sludge
- Increase of electrical and thermic energy
- Avoidance of foam problems
- Improved CO<sub>2</sub> footprint

## YOUR BENEFIT

### OPTIMISED PROFITABILITY

- Increased gas yield / substrate savings
- Significantly increased degree of degradation
- Stabilisation of biology
- Improved flow properties
- Operational reliability of the biogas plant is increased