

## SLUDGE TREATMENT



## EXELYS™

### Continuous thermal hydrolysis



#### SERVICE

- > Most energy-efficient hydrolysis process available
- > Wider range of disposal options

#### VALUE

- > 20-40 % more biogas
- > Increased solids destruction
- > Up to 50 % capacity increase

#### RESPONSIBILITY

- > Reduced carbon footprint
- > Heat recovery and recycling

#### Applications:

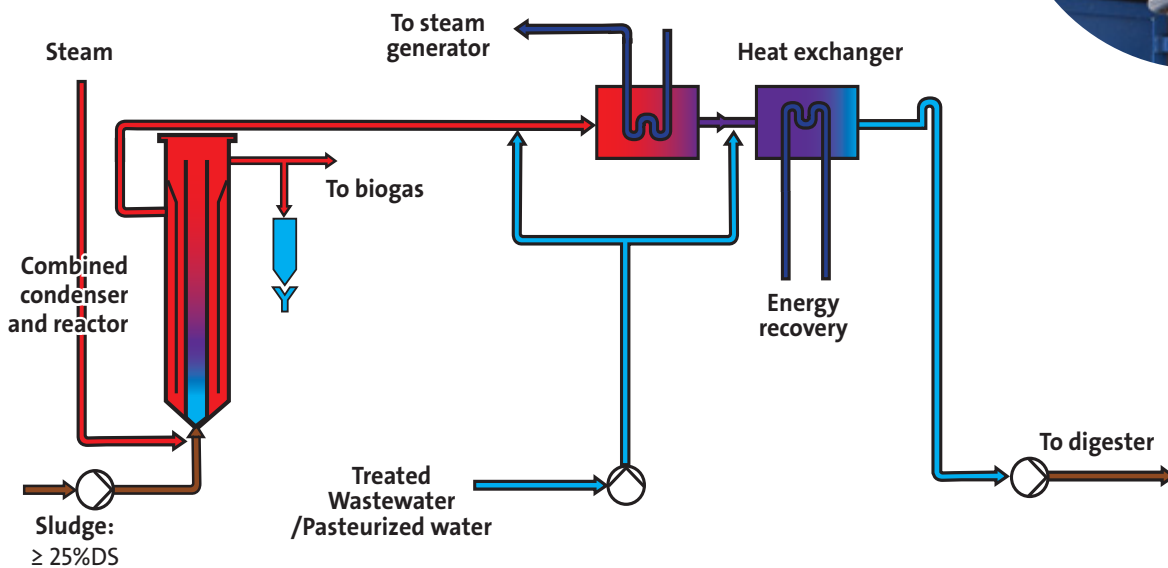
- ▶ New enhanced anaerobic digestion systems
  - > From 50,000 P.E. and up
- ▶ Full utilization of digester capacity
- ▶ Ideal for significantly increasing existing digester capacity
- ▶ Flexible operation – adaptable to systems of any size and requirements



**EXELYS™**

Continuous thermal hydrolysis

**More green energy + Less sludge =  
Increased income + Decreased costs**



## Exelys™ - The most energy-efficient thermal hydrolysis system available

Exelys™ is an innovative technology that represents the next generation of thermal sludge hydrolysis. Thermal sludge hydrolysis has been recognized as being one of the most effective ways to enhance biogas production and solids destruction in an anaerobic digestion system. Through its innovative design and continuous operational configuration, Exelys™ is the most energy-efficient technology available for thermal sludge hydrolysis. And due to the unique characteristics of the hydrolysed sludge product, the Exelys™ is the ideal solution for significant increase of the capacity of the existing digestion systems. Exelys™ - the key to achieving the full potential of your renewable sludge energy.

## Special features:

- ▶ Sludge with high DS content results in more efficient energy utilization
  - ▶ Heating solids not water
- ▶ Continuous automated operation allows for optimal performance at all times
  - ▶ Effective asset utilization
- ▶ Higher solids loading in the digester due to the hydrolysate's characteristics means that the capacity of the existing digesters can be increased by up to 50%
  - ▶ Cost-effective expansion of digester capacity
- ▶ Heat recovery and recycling further improves the energy-efficiency
- ▶ Simple and efficient maintenance and cleaning of all components
  - ▶ Reduced O&M costs
- ▶ Workplace health and safety is prioritized in the design
- ▶ Opportunity to import sludge and increase income

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