

01

What is the Sludge X System?

- Disintegration and atomizes by destroying sludge and damaging cells using shock waves produced in the process of destroying cavitation created by fluid flow that has been induced by force
- Continuous cell destruction and solid pulverizing effects (Min. particle 0.1mm)

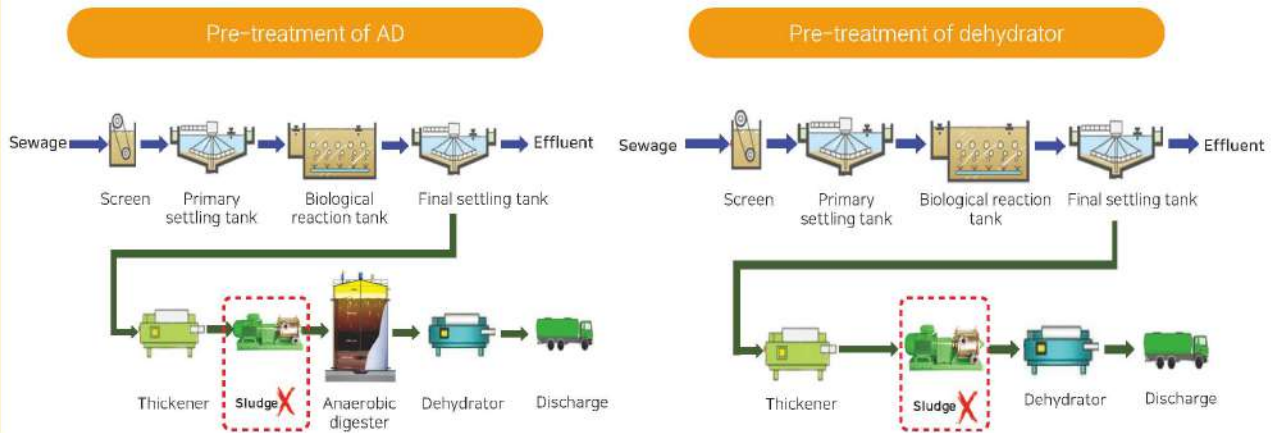
Effects of Sludge X

- Increases solubilization of organic solids
- Increases treatment capacity of anaerobic digester
- Increases biogas production
- Increases homogenization
- Reduces HRT (digestion period)
- Increases efficiency of dehydrator (Reduces moisture content by more than 10%)



02

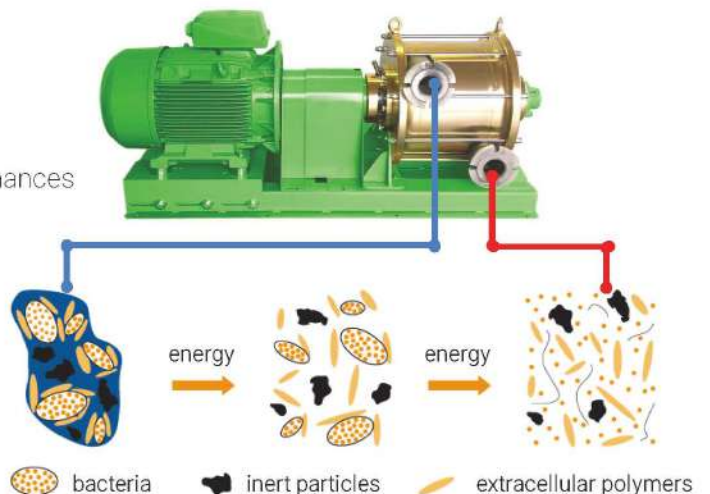
Application example **Sludge X System**



03

Principle of the **Sludge X System**

Sludge X is an innovative, effective, and efficient cavitator that delivers 100% energy to fluid; the cavitation disintegrates incoming biomass, solubilization it, and enhances the digestive efficiency and biogas of the anaerobic digester.



04

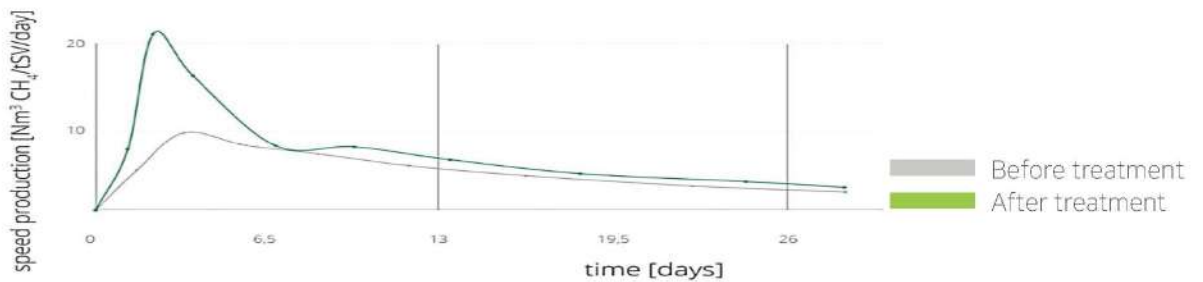
Comparison between before and after *SludgeX System* (1)



05

Comparison between before and after *SludgeX System* (2)

Comparison of Digestion period (HRT)



Comparison of Biogas production

