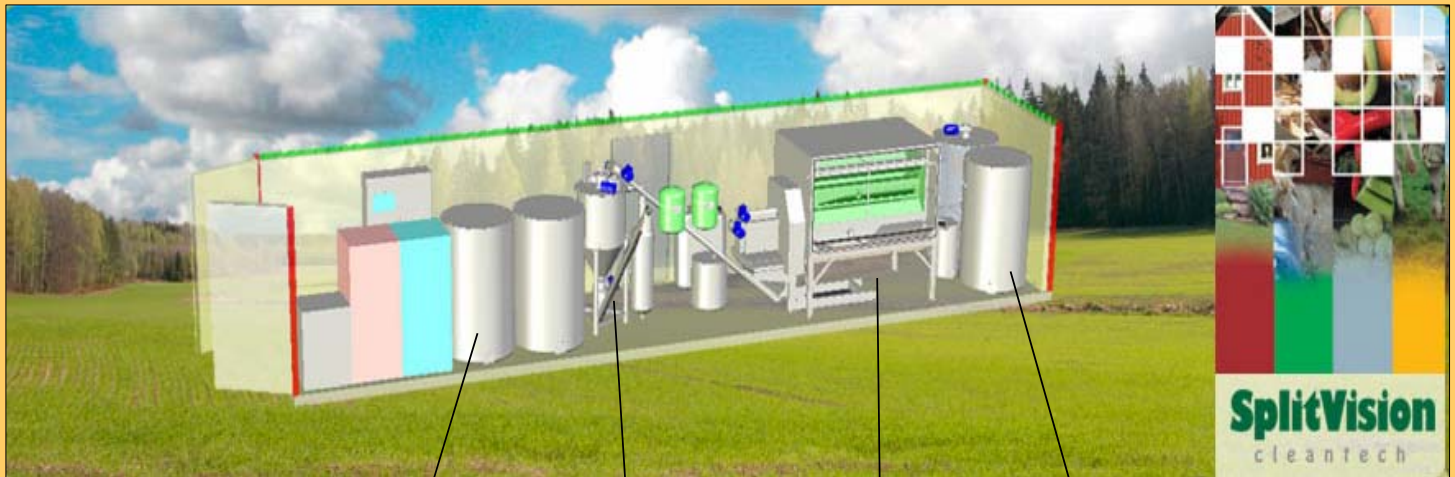


SplitBox-Agri for manure processing

Pilot plant installed in May 2009 and under testing, Skottorp, Sweden

Zsófia Ganrot and Jan Broberg

For more information: www.splitvision.se or phone: +46 431 139 80



Zeolite loading units
with regeneration

Struvite
precipitation
unit

De-watering

Holding tanks



The SplitBox technique adapted to process animal manure
(in this pilot project manure from ca. 500 cows)

Expected results (verified in laboratory tests):

- **90-95 % COD reduction** (the organic solids with the DM content of 60% or more can be reused as organic fertilizer or nutrient source for biogas or just simply in energy production).
- **95-98 % reduction and reuse of P** (as phosphate-P) in the struvite precipitation step.
- **80-95 % reduction and reuse of N** (as ammonium-N and nitrate-N) partly in the struvite step, but mostly in the zeolite loading-regenerating units.