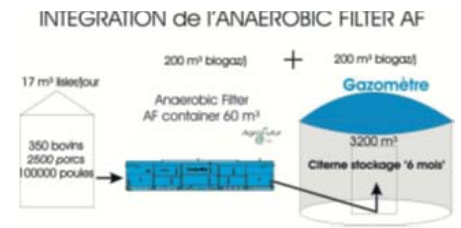




Anaerobic filter

Research Center / Laboratory : **CTA - Centre des Technologies Agronomiques de Strée**
 University College : **Haute Ecole Charlemagne**
 Field : **Environment - Biomethanisation**



KEYWORDS | Biomathanisation;
 Anaerobic filter ;
 agro-industrial effluent;
 bacterial support

Description :

The Centre has an area of 55 hectares with crops and animals (120 cattle, 50 sheep red Ardennes, poultry) but also a hall of audience including agricultural engineering and classrooms to serve the demonstration of new agricultural technologies, and environmental renewable energy

The present technology refers to biomethanisation with an anaerobic filter that hosts a bacterial synthetic support for treatment of agricultural and industrial effluents with MS 3 to 10 % in only 3-6 days.

CTA provides expertise in the field of biogas and gives advice to farmers who want to install biogas digesters. It has a laboratory and instruments to provide scientific expertise in the field of biomethanation.

Benefits / Advantages :

- The advantages of the anaerobic filter compared to the traditional biomethanisation:
- Shorter digestion period
- Smaller digester volume
- Lower energy losses
- Lower storage time
- No clogging thanks to the canvases/filters set at an optimal distance on metal frames

Application Sectors | Ready to use anaerobic digesters for farmers or industrials

Intellectual Properties	TRL	Type of Partnership Sought
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