

ADAW Partners:

biogas fuel cell



EST

Electrochemical Sensor Technology



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Anaerobic Digestion for Animal Waste project is co-funded by the European Commission in the Seventh Framework Programme FP7 – for the benefit of SMEs.

Eight partners from different European Member States are involved in this 24-month project.

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Current Situation

European slaughterhouses produce large amounts of different wastes and wastewaters causing ecological problems when direct disposal into the sewerage system without pre-treatment.

The European Regulation led to a drastic limitation of their management options, and, consequently, an increase in total slaughtering industry costs. EU slaughterhouse holders need new solutions with improved cost-efficiency to treat wastes and accomplish EU regulations (Directive 1069/2009 and 142/2011).

Anaerobic Digestion for Animal Waste aims at...

Developing an optimised Anaerobic Digestion process for lipid rich material that will permit a more cost-effective solution to treat slaughterhouses wastes and also allow biogas plants operators to feed a high biomethanisation feedstock to their installations by:

- ✓ Introducing pre-treatments to treat slaughterhouse waste before Anaerobic Digestion.
- ✓ Selecting specific bacteria population.
- ✓ Incorporating an advanced control system for real time monitoring.



Slaughtering industry actors will take advantage from ADAW, especially...

1. **Slaughterhouse operators** (small and medium size) who will benefit from an alternative solution for waste by integrating a farm scale biogas plant in their facilities without a large investment.
2. **Commercial biogas holders** who will be able to use also slaughterhouse wastes as a potential energy source.

