



The biogas plant in Rohan (France)

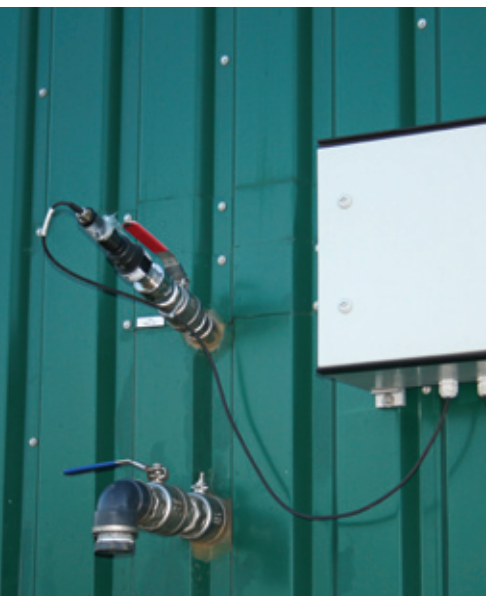
Planning

Construction

Start-up

Operation

Service



← Feedcontrol process

→ Reception-storage of fat flottation



Fact sheet

Location:
Capacity:
In operation since:
Input materials:
Features:

Rohan / France
526 kW_{el}
09/2010
Manure, flotate fat, maize and vegetable wastes
Usage or renewable heat for drying digestat before transferring it outside Brittany, in order to respect the French regulation regarding nitrates releases

The biogs plant in Rohan (France)

The construction of the biogas plant of the company SARL BLOWATT is the result of the partnership between EnviTec Biogas and a farmer: M. Jean-Paul LE CROM. Since 2007 an active cooperation formed the basis for constructing the plant: characterisation of the input materials, design of the methanisation process, digestate treatment unit, subsidies, permits, procedure for electrical connection and feed in tariff agreement.

The following units are part of the facility: fat reception and storage unit, digester sizing 2570 m³, building of 700 m² with a walking floor, cellar for mixing unit, a switching room, a cogeneration room, a heat distribution room, a drying unit, a dry digestate room. At the end the liquid digestate is stored into a lagoon.

The plant is using the proprietary "EnviTec Feedcontrol" system. The software-based system enables

biogas plant operators to use their input materials more efficiently and thus helps to save resources. In a 500 kW biogas plant such as Le Crom, "EnviTec Feedcontrol" can help to cut costs by up to EUR 20,000 per year.

The electricity production has started in September 2010, with a capacity of 526 kW_{el}. The heat power is 553 kW_{th}. All the renewable electricity is sold to EDF and the renewable heat is used for heating the digester, heating the fat storages and drying part of the digestate.

The plant is powered by input materials such as liquid pig manure, fats from local agricultural industries, and vegetable wastes. It is operated in long-term cooperation with agricultural and industrial partners from the region.