



# Plant for organic waste

## Vire, France

### Project data

Commissioning: September 2020  
 Input materials: approx. 80,000t Input material

- 65% Manure and slurry
- 20% Whey, sewage sludge & Slaughterhouse waste
- 15% renewable crops

### Technical data

Entry system: 2 Pushing floor dosing feeder (140 & 98m<sup>3</sup>)  
 1 vertical dosing feeder (30m<sup>3</sup>)  
 2 MULTIMix

Pre-storage tanks: 7x different sizes  
 Digester: 3x 4,436m<sup>3</sup> (Ø 29.94m, H: 6.3m)  
 Storage tanks: 2 Existing tanks  
 Production of raw biogas: 500Nm<sup>3</sup>/h  
 Processed CH<sub>4</sub>: 270Nm<sup>3</sup>/h  
 Methane content (CH<sub>4</sub>): >99%  
 Biogas upgrading: Membrane technology  
 Miscellaneous: Pasteurisation (3x 15m<sup>3</sup>)  
 Separation  
 Heat pump (24x 50kW)

### Characteristics

By using residual materials that come from an average distance of 7-8km, the climate balance of the plant is particularly positive. Around 5,300 tons of CO<sub>2eq</sub> are saved per year.

The amount of biomethane produced is sufficient to circle the equator 890 times a year by car.



24 heat pumps process the hot water from a neighboring animal feed factory for pasteurisation.



Organic energy worldwide