



# Plant for organic waste

## Loughgall, Northern Ireland (GBR)

### Project data

Commissioning: October 2015  
Extension: March 2017  
Input materials: Vegetable waste from processing factory and packaging unit  
Cattle slurry  
Vegetable wash water  
Small amounts of whole crop rye, maize and grass silage

### Technical data

Input technology: 80m<sup>3</sup> dosing feeder  
**MULTIMix**  
Pre-storage: Underground liquid waste reception tanks  
Digester: 2x 2,625m<sup>3</sup> (Ø 23.03m, H 6.30m)  
Storage tank: 5,908m<sup>3</sup> (Ø 34.55m, H 6.30m)  
CHP: 2x 500kW<sub>el</sub>

### Characteristics

The plant belongs to a long-established vegetable growing, packaging and distribution company. Vegetable waste from the sorting, washing and packaging will be topped up to 500kW<sub>el</sub> with cattle slurry and small tonnages of whole crop rye, maize and grass silage. Electricity will be used towards a cold store that will be built on site, and excess heat is used in the washing/packing facility. The WELTEC **MULTIMix** ensures the optimal maceration of vegetables and fibrous silage, and will enhance digestion and reduce wear and tear as well as energy use within the digester.



The double-propeller-agitator in the digester provides good mixing.



Organic energy worldwide