



Plant for organic waste

Aurora, Australia

Project data

Commissioning: December 2016
 Input materials: Leftovers from cafeterias and restaurants, fats and oils, brewery and dairy leftovers, fruit and vegetable waste and sludge

Technical data

Entry system: 2x 35m³ dosing feeder
 Shredder
MULTIMix
 Pre-storage tank: 5 tanks made of stainless steel with a total capacity of 700m³
 Digester: 2x 3,573m³ (Ø 26.87m, H 6.30m)
 Storage tank: 1x 4,531m³ (Ø 29.94m, H 6.30m)
 CHP: 2x 530kW_{el}
 Miscellaneous: Pasteurisation
 LoMOS control system

Characteristics

The AD plant of Yarra Valley Water, one of Australia's largest enterprises providing water supply and sewerage services, is one of the first of its kind Down Under. Through the biogas production, Yarra Valley Water will become energy self-sufficient at the plant location close to Melbourne and surplus electricity can even be fed into the public grid. Except for the loading of the input systems, the process is fully automated. The size of the pre-storage tanks was designed in such a way that no loading and thus no manpower will be required at the weekend and at night.



The digesters are continuously supplied with substrates from five prestorage tanks.



Organic energy worldwide