Biogas Plant SYDEME

METHAVALOR

Company/organisation
SYDEME - Syndicat Mixte de Transport et de Traitement des Déchets Ménagers de Moselle-Est

Brief description
SYDEME is responsible for the transport and the treatment of the municipal solid waste in the East-Moselle area. In order to manage this task under efficiency and ecological aspects, SYDEME decided to implement a whole new waste collection system involving color coded bags (orange for recyclables, green for organic waste, blue for residuals). The three bag colors are collected simultaneously in one and the same bin. The three material flows are then separated in an innovative optical sorting pant, where a camera recognizes the bag colors and redirects them to the appropriate valorization path. The green fraction is conveyed into the biogas plant "Metahvalor", based on a dry fermentation process, producing electricity, heat, biofuel and/or natural gas (grid injection).

Start date
Building started back in July 2009
The plant will be brought into service shortly (at the end of summer 2011)

Capacity
42,000 t/a organic waste from households

Innovative aspect
Implementation of decentralized "bagtronic" sorting plants (optical bag sorting system).
Multiple biogas valorization through CHP, and/or biofuel, and/or purification/injection in the natural gas grid.

Weblink
http://www.sydeme.fr/site/index.php