

WASTE TO ENERGY

RECYCLABLES AND ENERGY FROM WASTE

REC&EN TECHNOLOGY
WASTE TO ENERGY



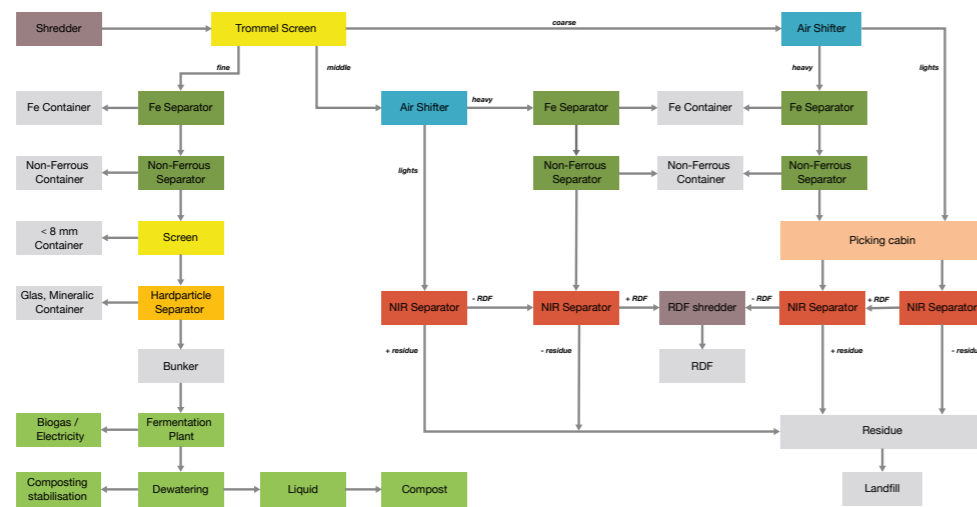
WASTE TO ENERGY

Since 1985 the Sutco RecyclingTechnik have committed themselves to the protection of the environment and recycling and can also refer to worldwide successful reference projects in the area of energy recovery and disposal of waste.

As far as the organic fraction of household waste is concerned, Sutco can significantly reduce the volumes and masses as well as minimise harmful substances incl. the stabilisation of material. In case of organic waste from a separated collection, marketable compost can be produced according to the respective requirements. Using technical composting processes such as a BIOFIX row composting, the

WENDELIN windrow composting process and the static tunnel composting process, Sutco Recycling-Technik can efficiently recycle the organic fractions. Using its efficient fermentation technology, the plant engineering company can produce new energies such as biogas which considerably contributes to the preservation of resources as worldwide aimed at and required.

As a part of the LM-GROUP, a group of companies who implements global concepts for plant solutions within the area of disposal, the group employs more than 550 staff members at twelve sites. The LM-GROUP systems are used worldwide.



“Household waste is rich in organic ingredients and recyclable materials. They can be separated from the waste, and the organic fraction can be converted to profitable energy by fermentation.”

THE MAJOR PARTS OF OUR EQUIPMENT ARE:

MECHANICAL TREATMENT

- Recovery of recyclables
- Substitute fuels (SRF/RDF)



BIOLOGICAL TREATMENT (COMPOSTING/STABILIZATION)

SUTCO® BIOFIX - ROW COMPOSTING

Automatic, dynamic process. Estimated throughputs > 35,000 - 80,000 Mg/a



SUTCO® WENDELIN “THE NEW GENERATION”

Dynamic windrow process of large volumes. Estimated throughputs > 80,000 Mg/a



SUTCO® TUNNEL COMPOSTING

Static process, composting and/or drying of the input material.



FERMENTATION (ENERGY)

SUTCO® BioPV

This is an alternative fermentation process which significantly improves the energy balance and the processing capacity of composting plants.



OTHER TREATMENT STEPS

- Slag preparation
- Baling units/bypass revision WIP
- Gasification
- Post-treatment



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THE RECYCLABLE AND ENERGY FROM WASTE (REC&EN TECHNOLOGY) DELIVERY PROGRAM PROVIDED AS AN INTEGRATED RECYCLING AND ENERGY RECOVERY FACILITY FOR MUNICIPAL SOLID WASTE (MSW) HAS A LOT OF ADVANTAGES, ALLOWING THE COLLECTION OF EXTENSIVELY SORTED RECYCLABLE MATERIAL FOR MARKETING AND PRODUCING NOT ONLY ENERGY SELF - SUFFICIENT, ALSO MAXIMIZING ADDITIONAL ELECTRICITY AND ENERGY OUTPUT FOR SALE.



If you wish more details of the WASTE TO ENERGY and their various systems, do not hesitate to contact us for customized solutions.



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RECYCLING IS ADDED VALUE

