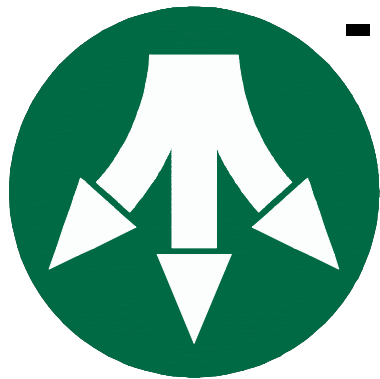


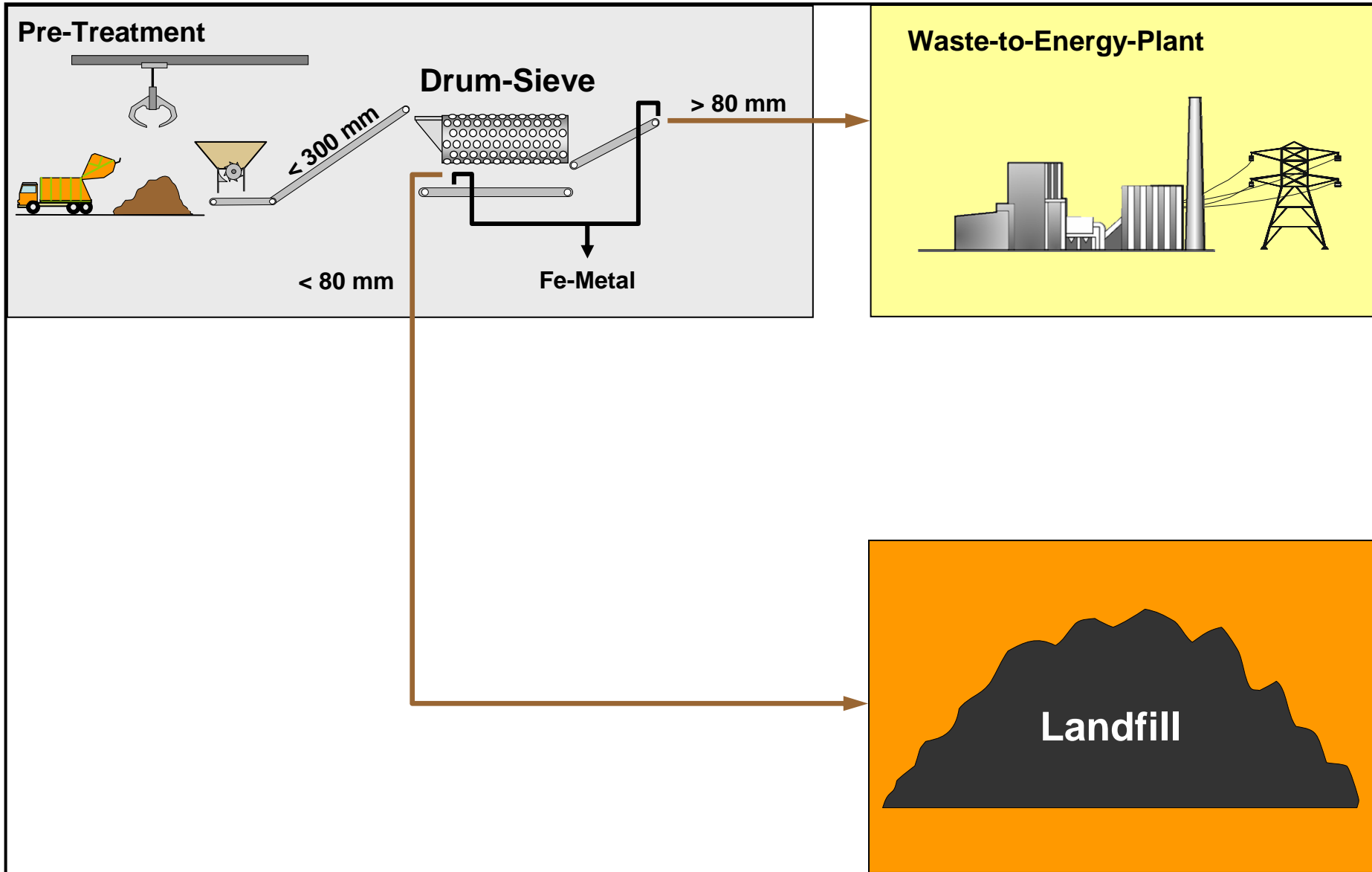
Sustainable MBA-Concepts - Vision 2020 -



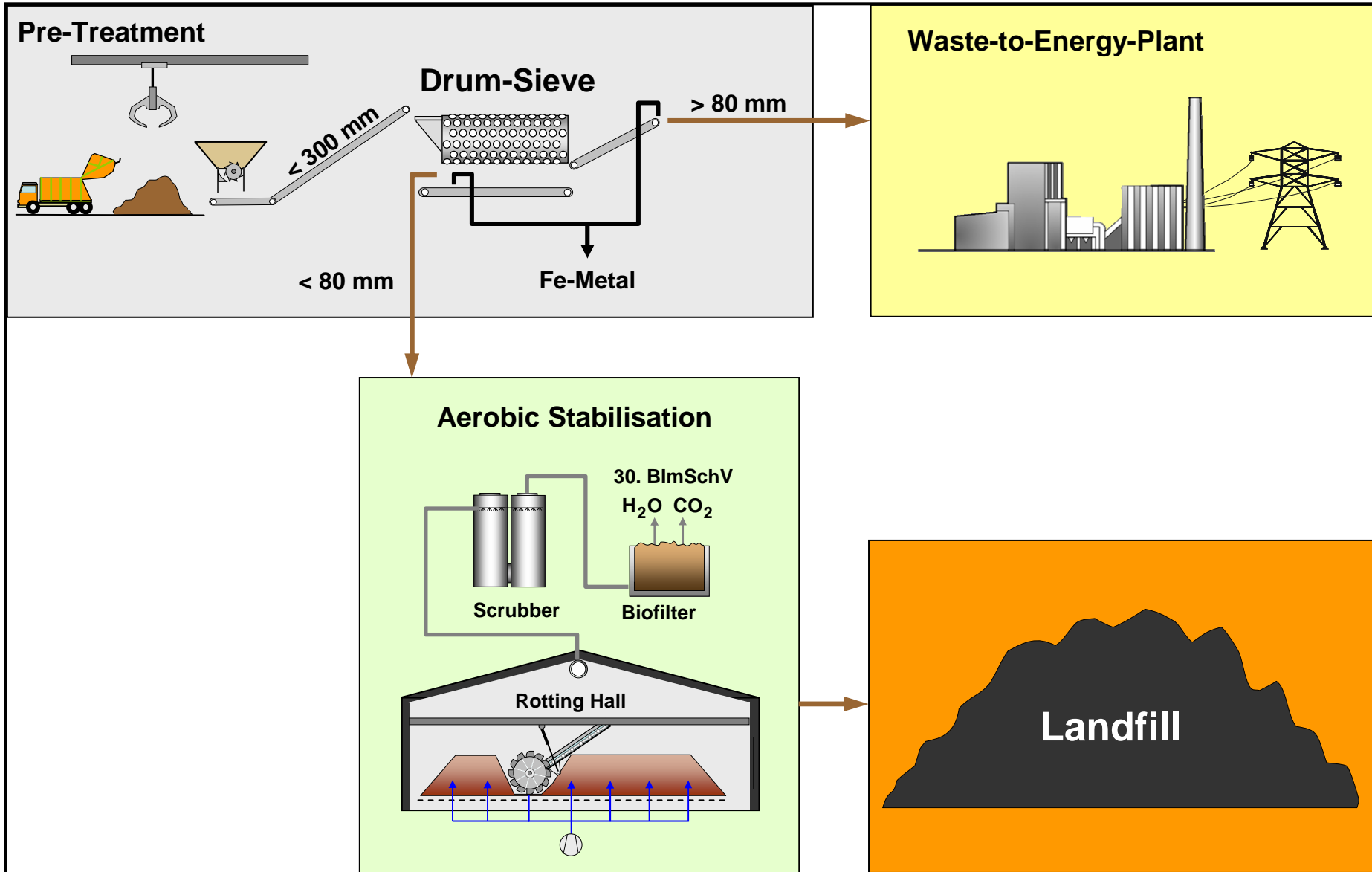
Dipl.-Ing. Reinhard Schu
EcoEnergy Gesellschaft für
Energie- und Umwelttechnik mbH
Walkenried

2nd International Symposium MBT 2007
22 – 24 May 2007, Hanover, Germany

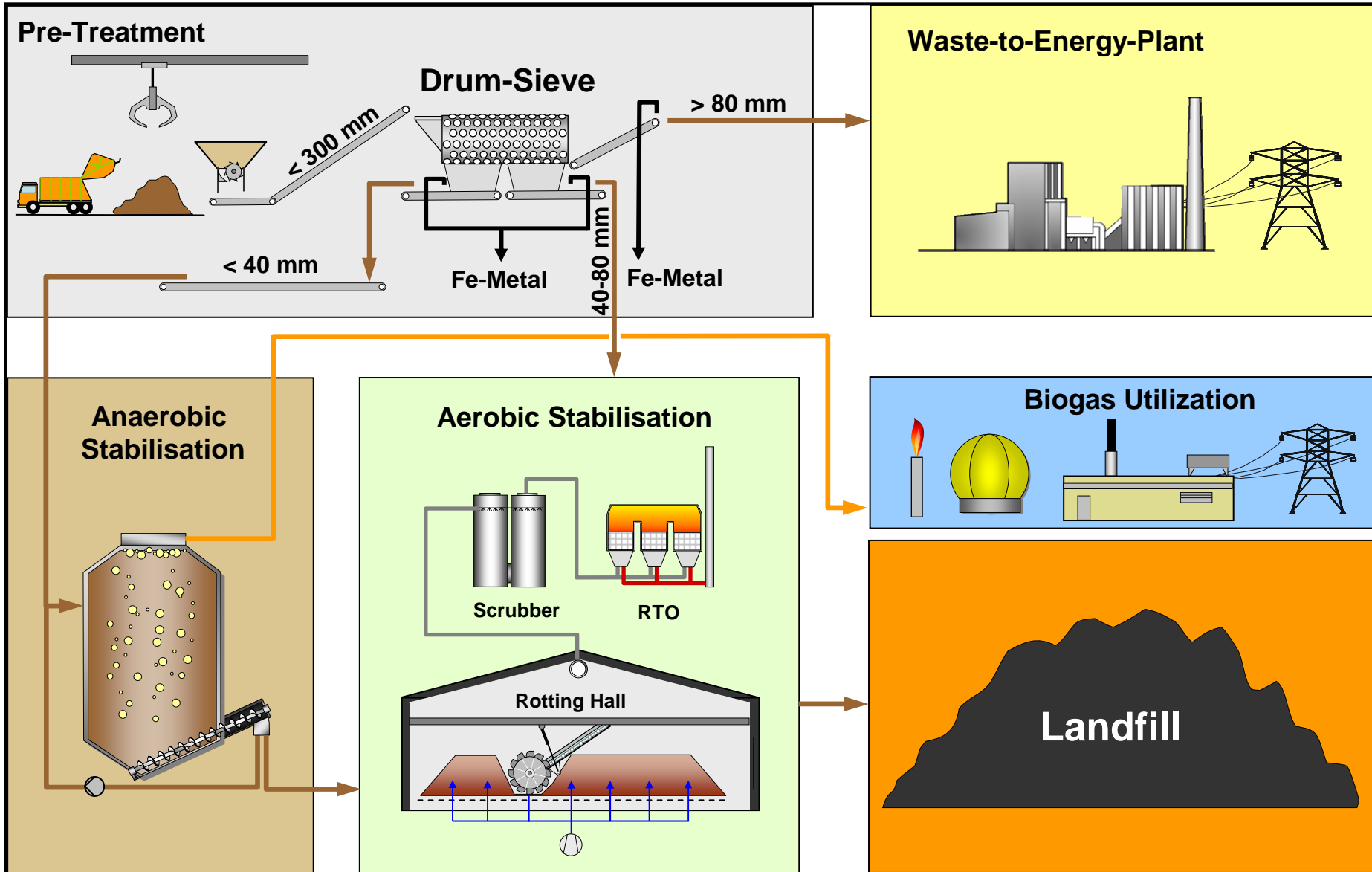
Simple Mechanical Pre-Treatment for Landfill until 2005



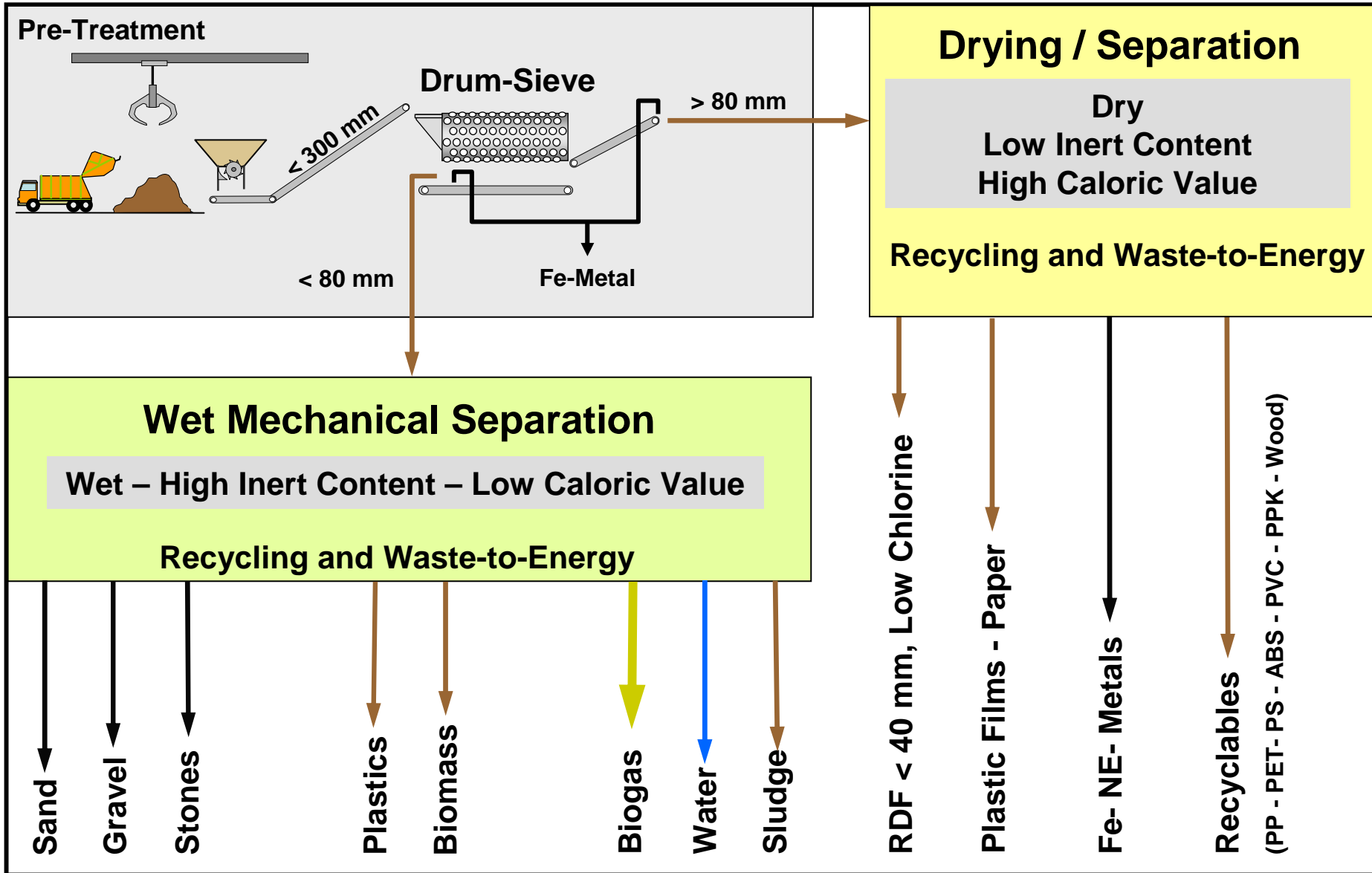
MBT until 2005 – Demonstration Projects as Base for Equivalence



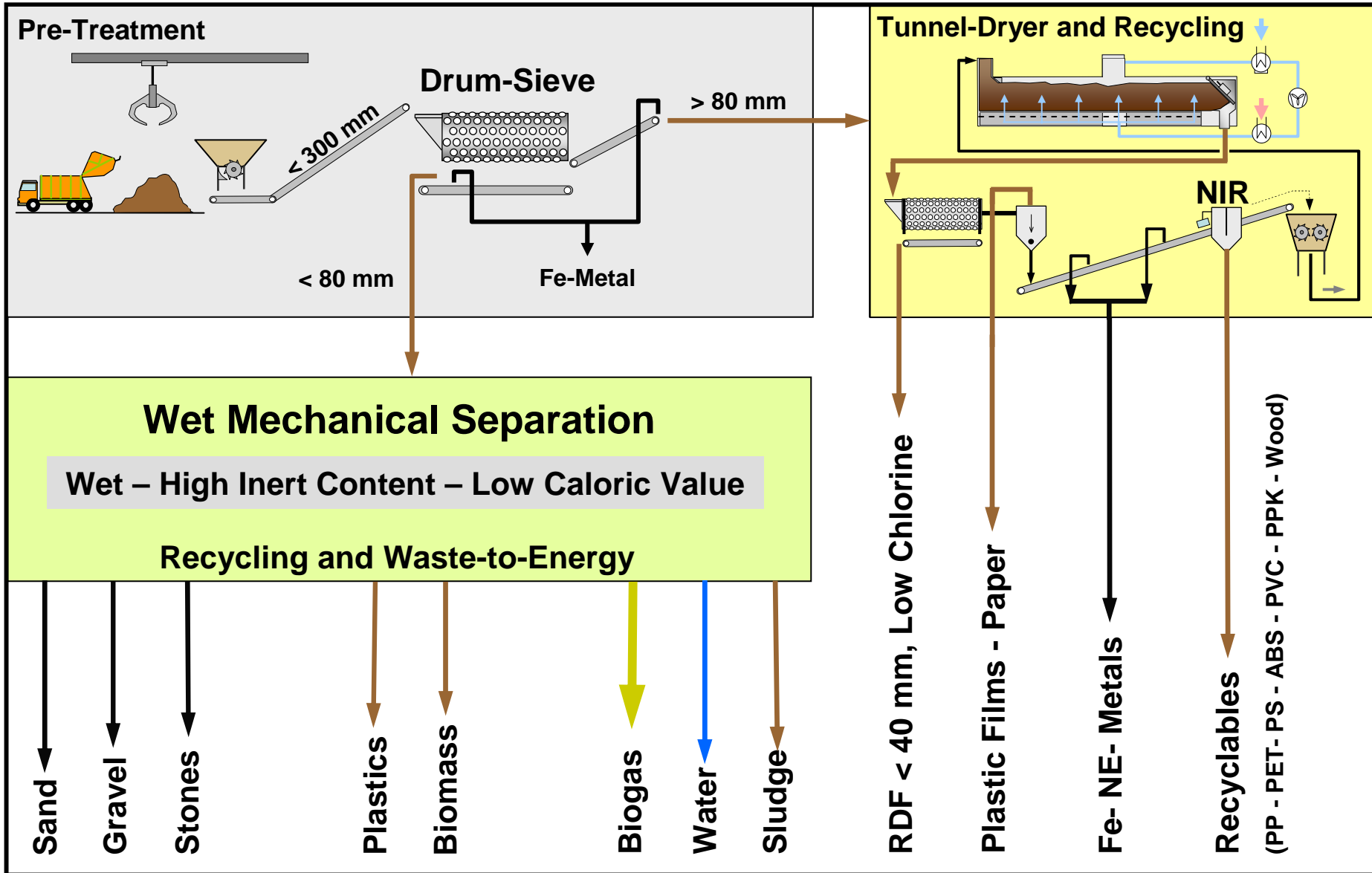
MBT 2005 to 2020 – German Concept for Mechanical-Biological Treatment



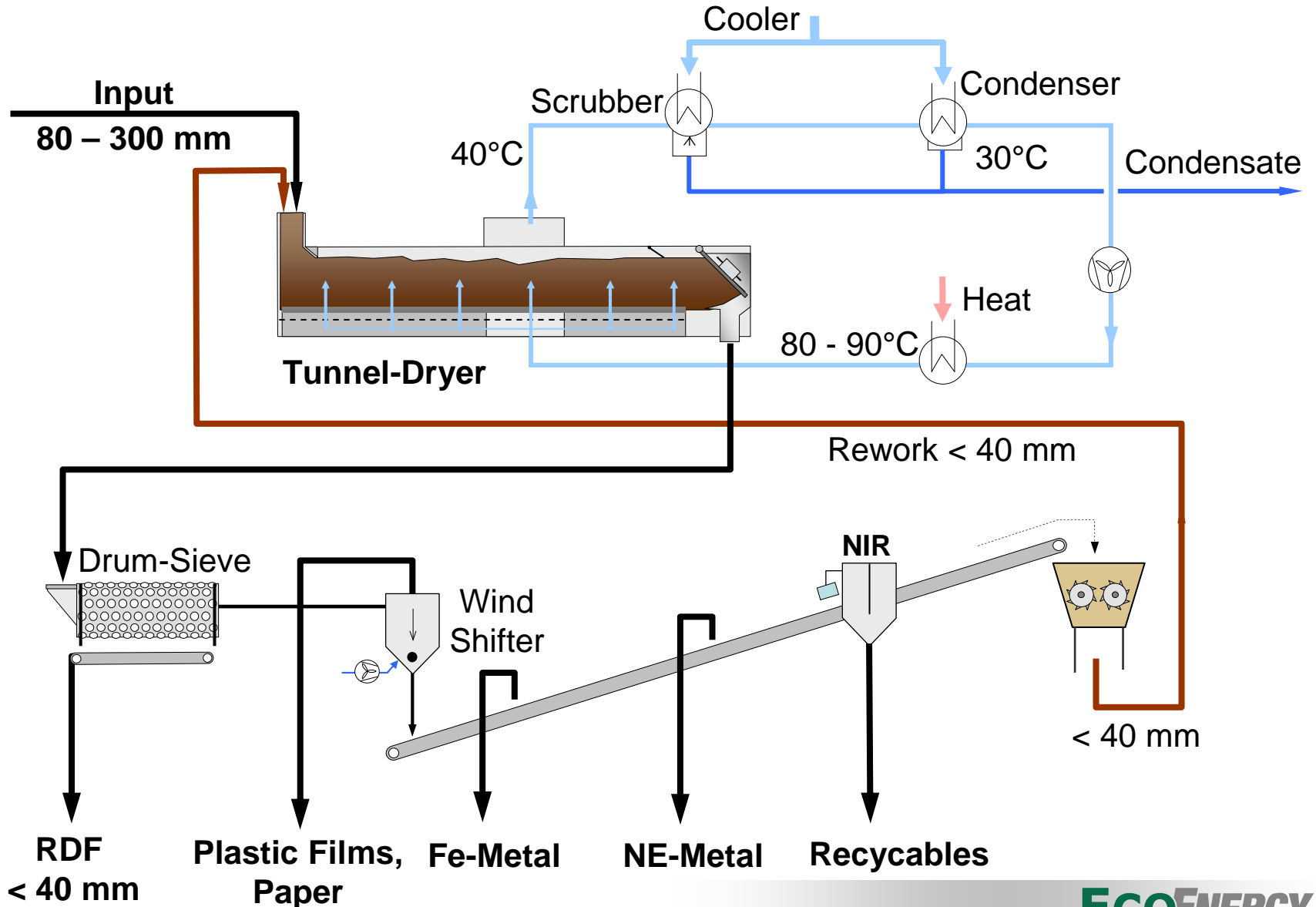
Selective Shredding and 1. Step for Mass Splitting



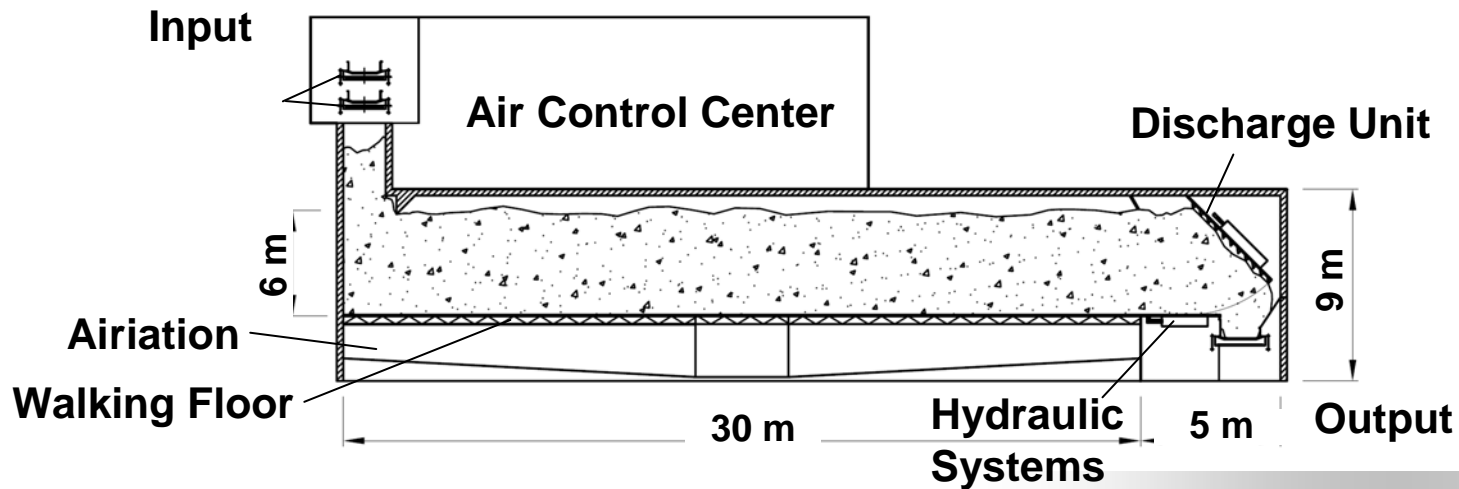
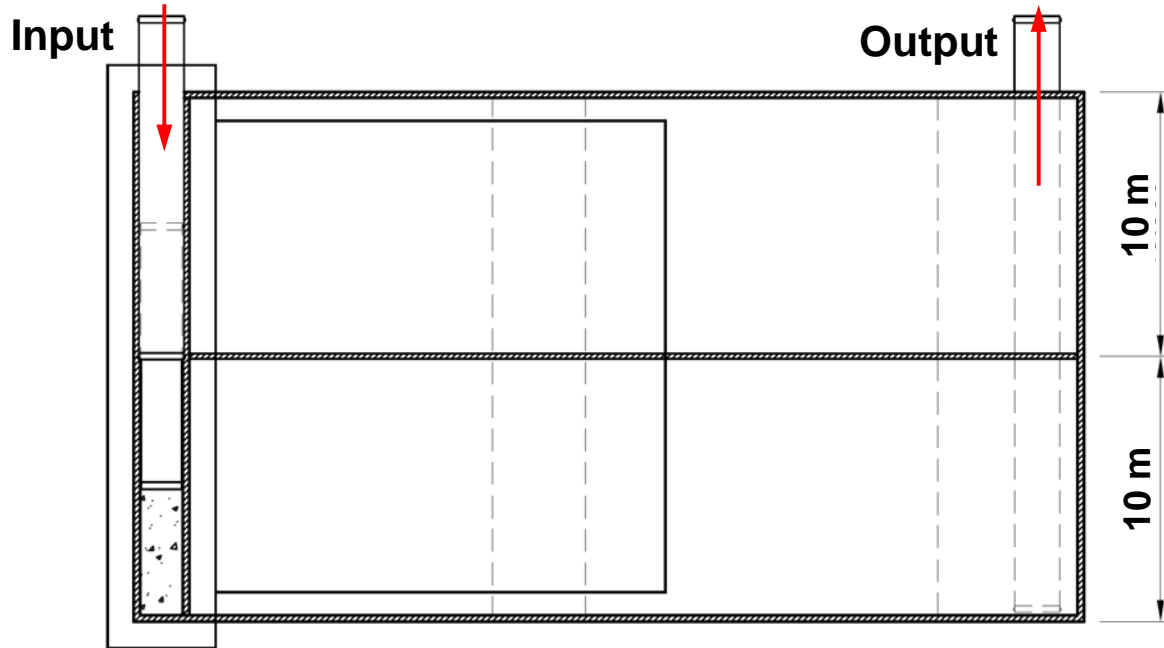
Selective Shredding and 1. Step for Mass Splitting



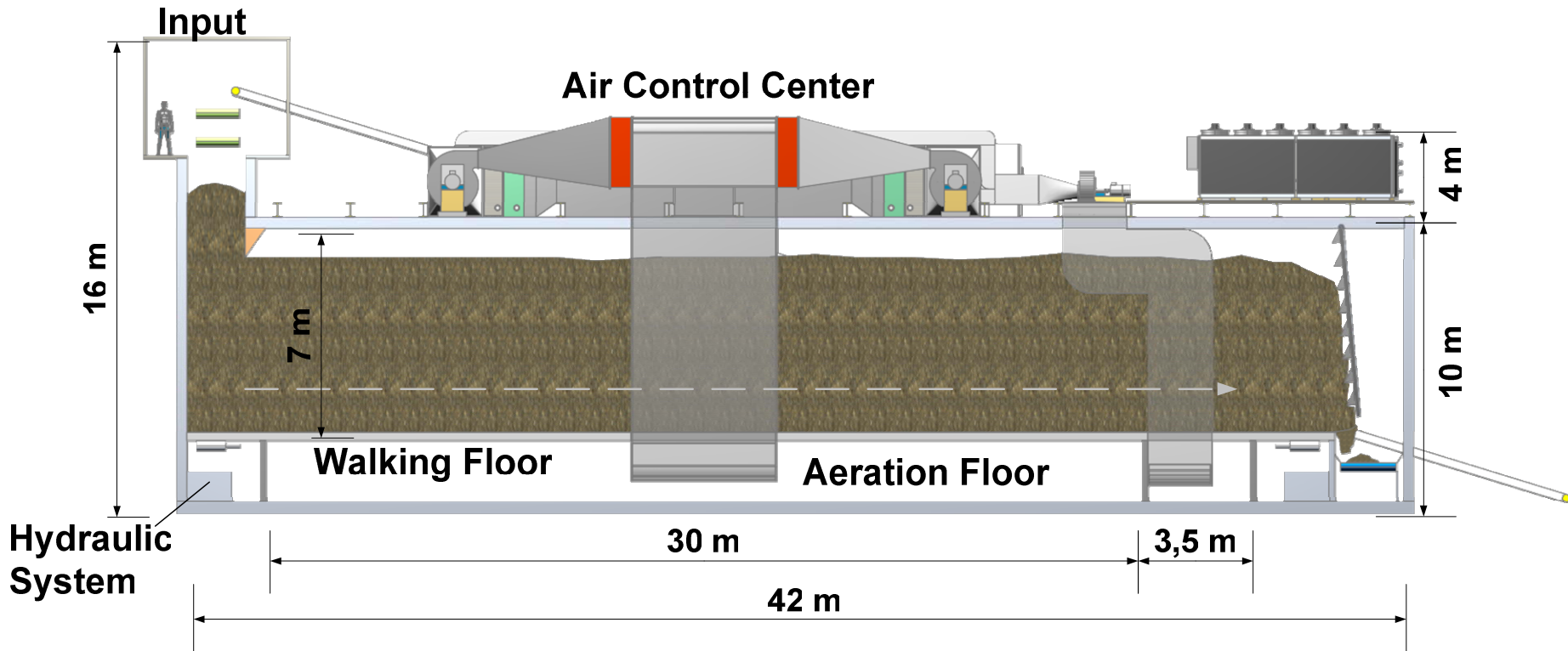
Tunnel-Dryer for Industrial Waste Recycling



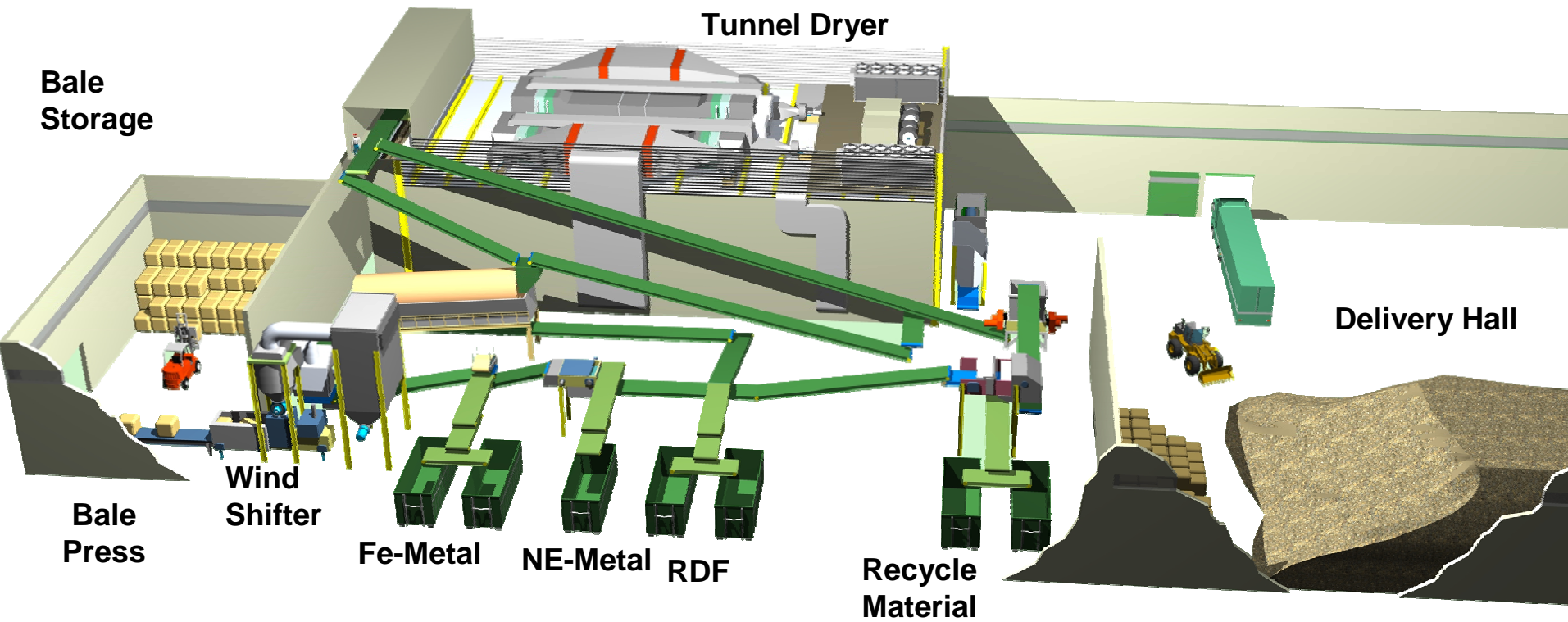
Tunnel-Dryer



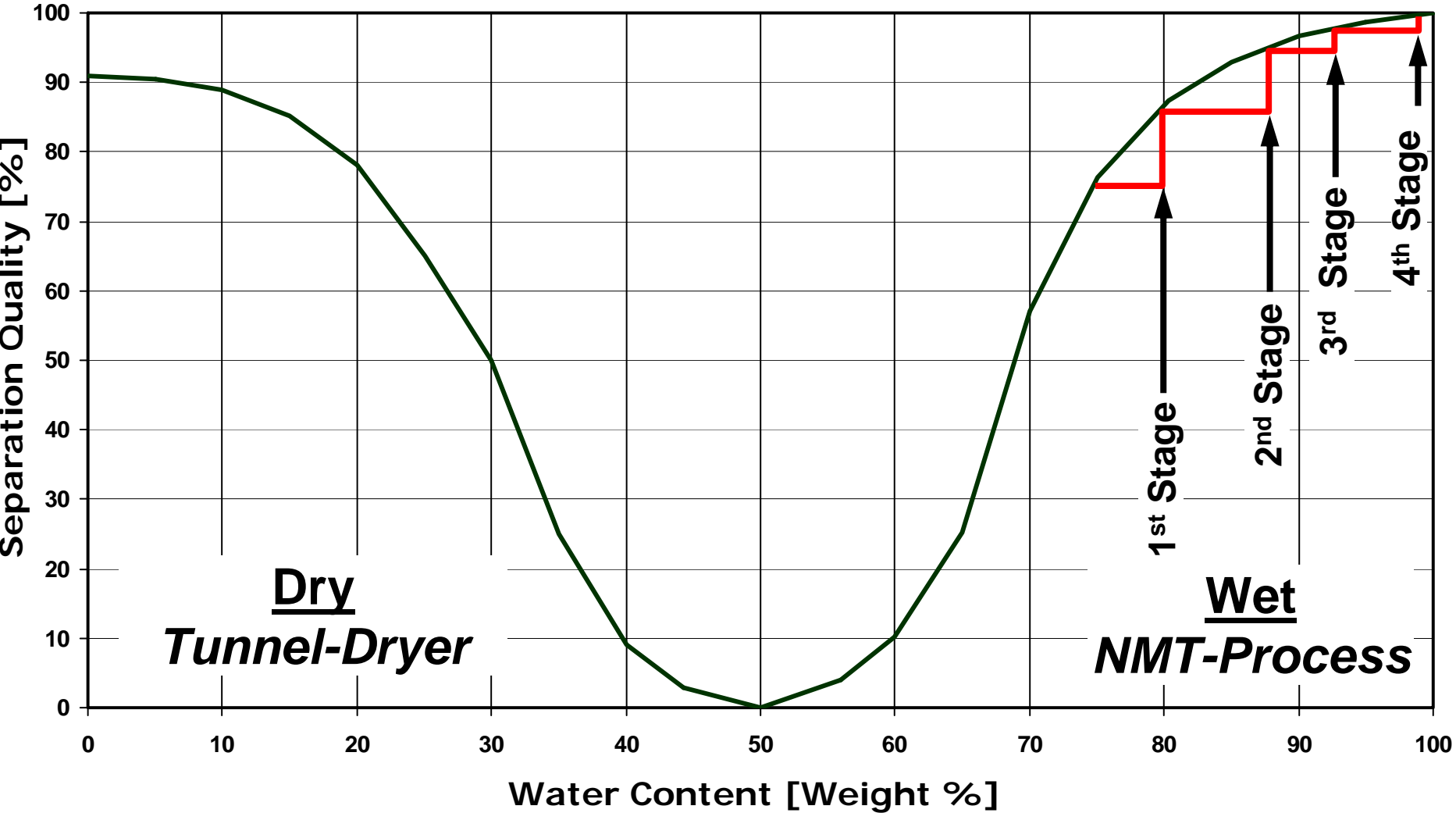
Research Waste Drying: Tunnel-Dryer for Industrial Waste Recycling



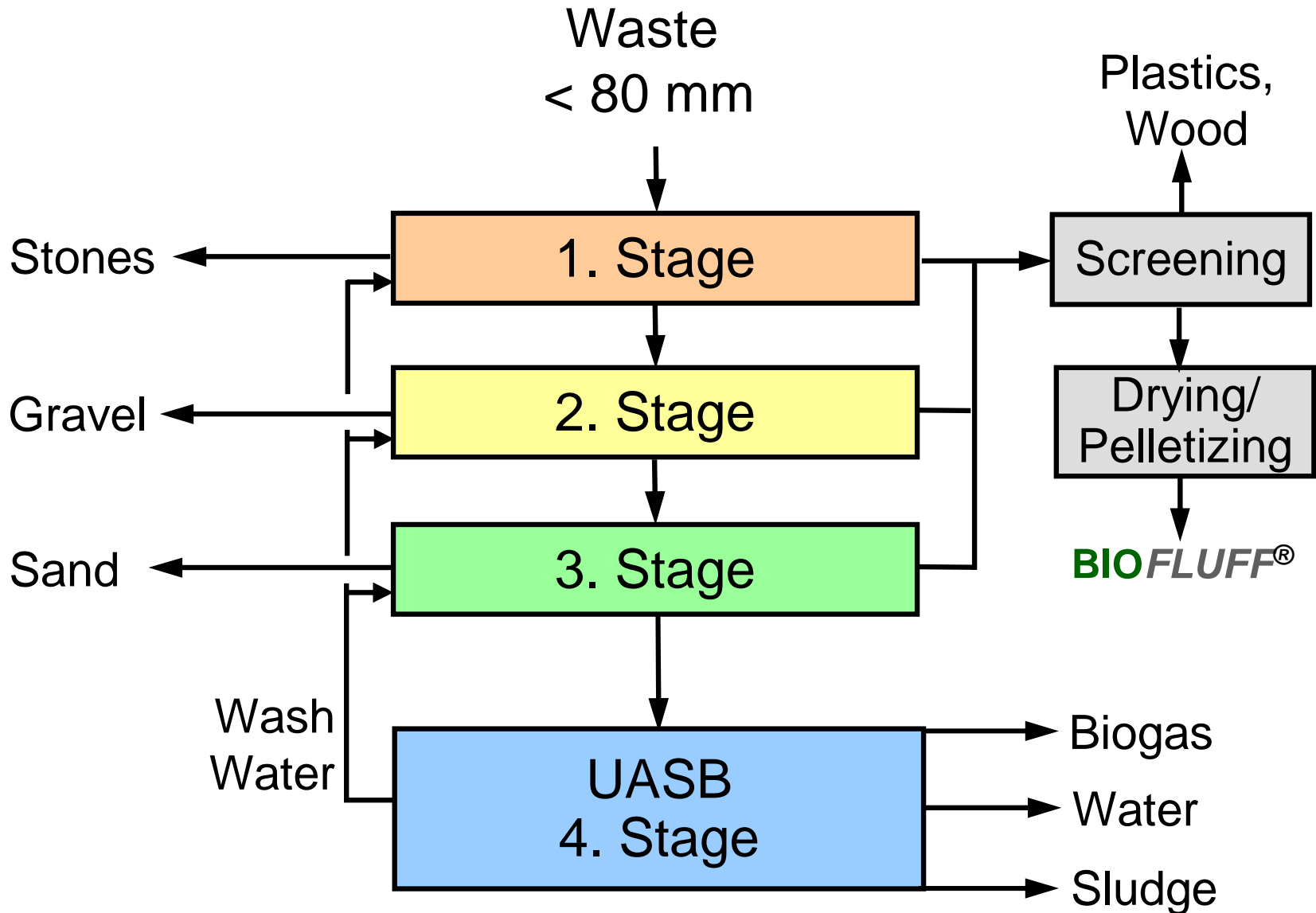
Research Waste Drying: Tunnel-Dryer for Industrial Waste Recycling



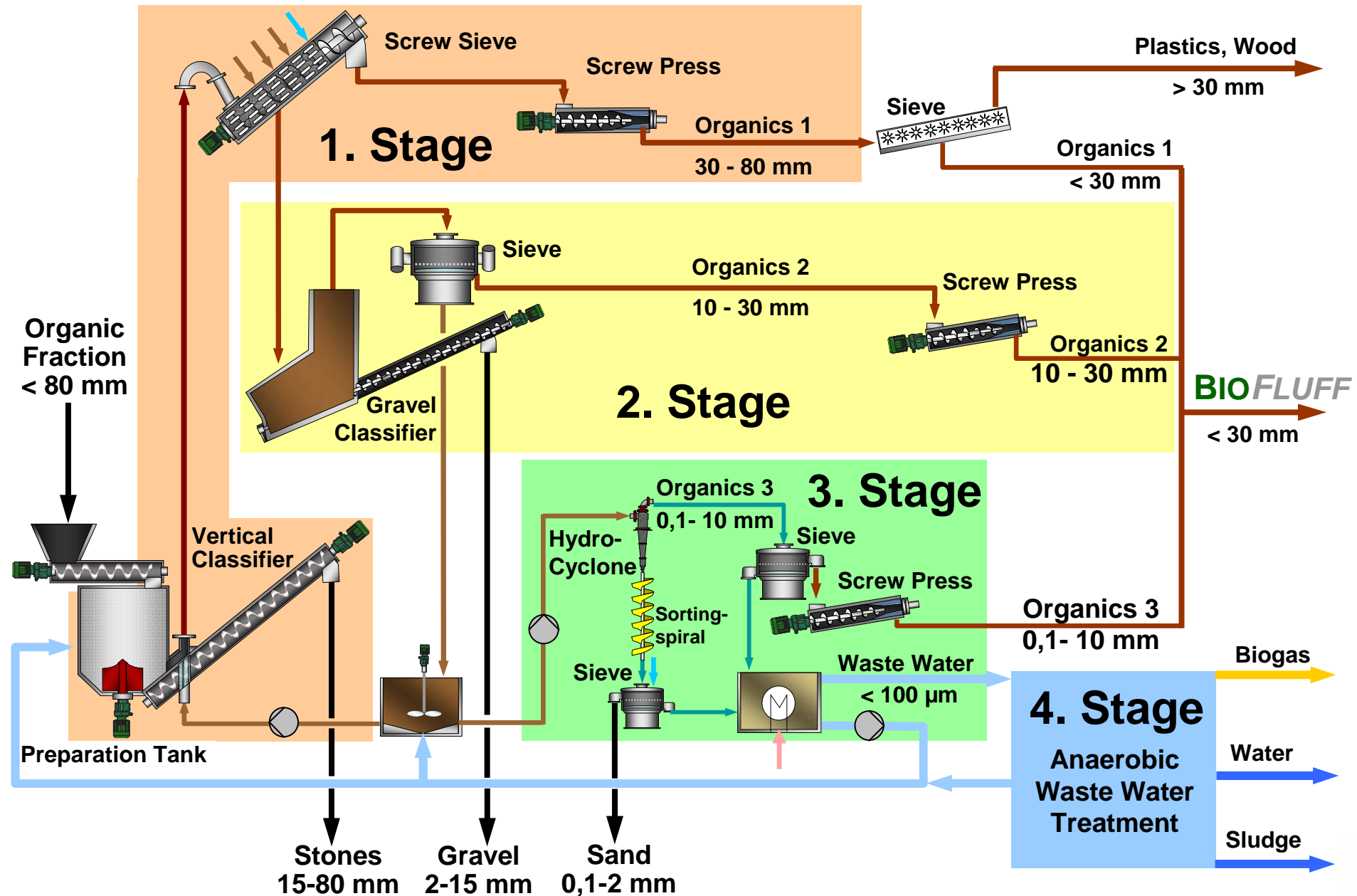
Separation of Contraries – Wet or Dry



Innovation of EcoEnergy: NMT-Process – „4-Stage-Separation“



Innovation of EcoEnergy: Pilot Plant NMT-Process, Modern Waste Treatment



Innovation of EcoEnergy: Pilot Plant NMT-Process, Modern Waste Treatment

BIOFLUFF®

Input
< 80 mm

Organics 2
10 – 30 mm

Organics 1
30 – 80 mm

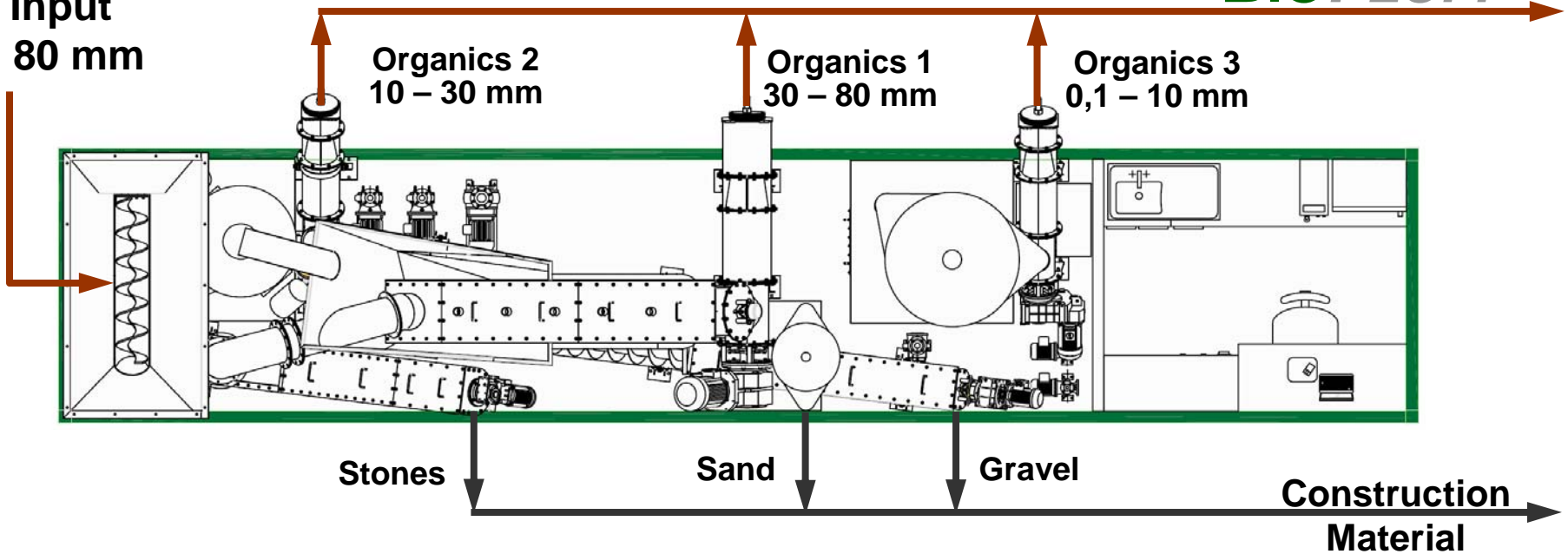
Organics 3
0,1 – 10 mm

Stones

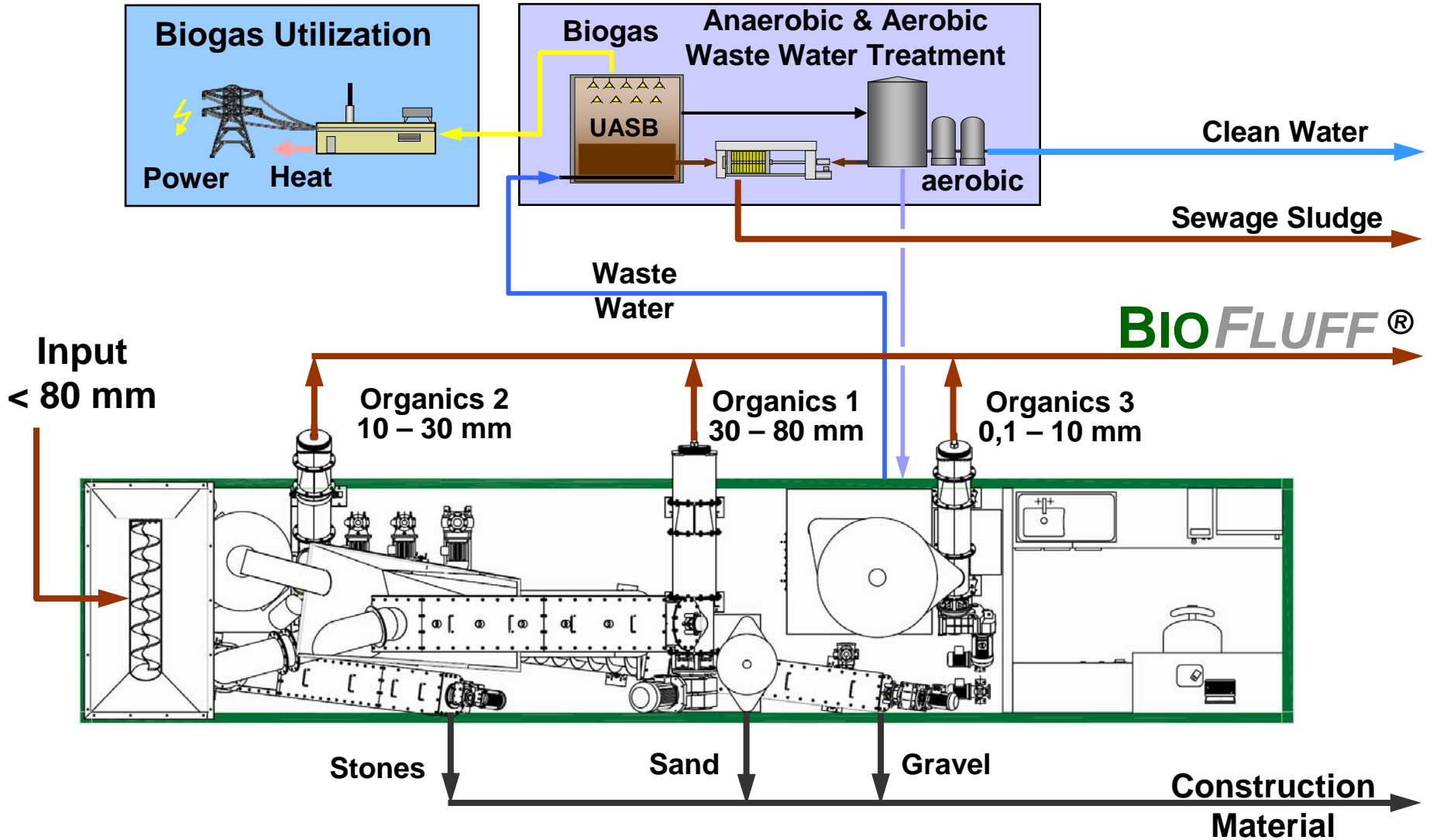
Sand

Gravel

Construction
Material



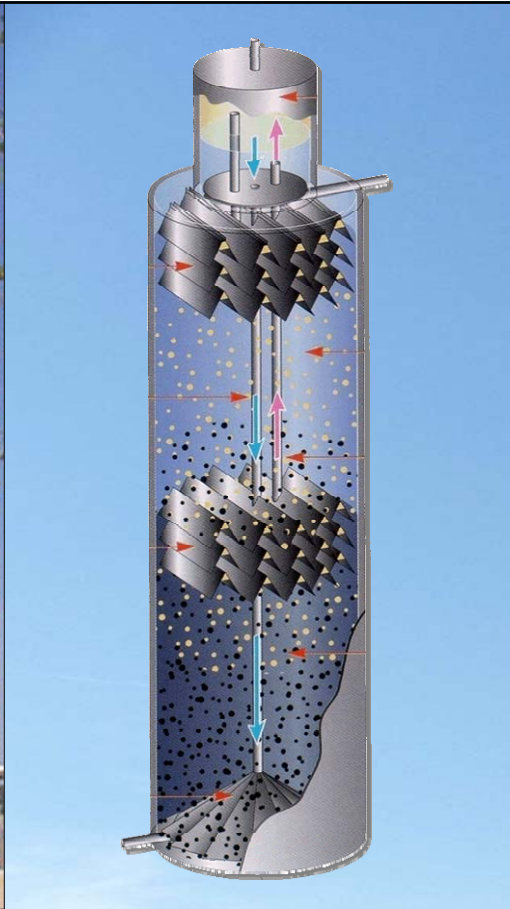
Innovation of EcoEnergy: Pilot Plant NMT-Process, Modern Waste Treatment



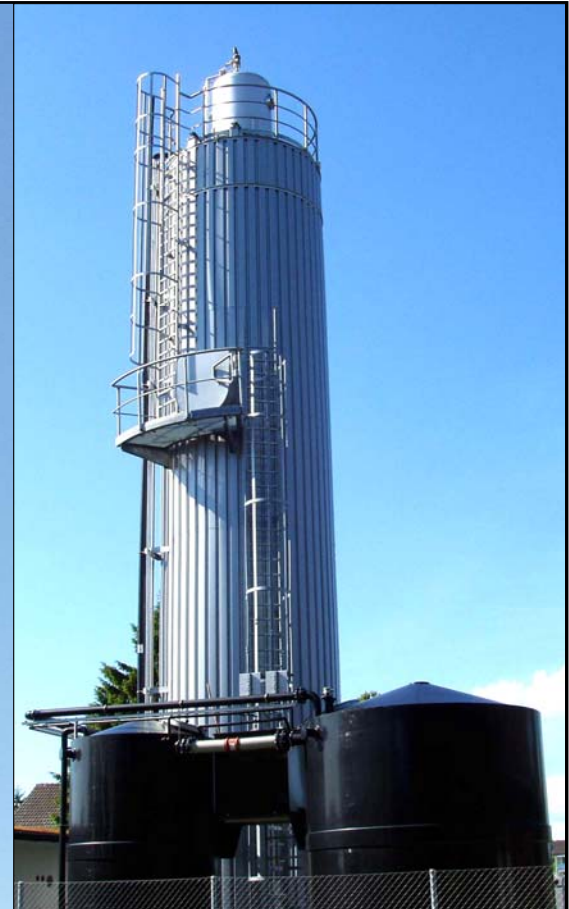
Anaerobic Waste Water Treatment with Upflow



BIOPAQ -IC-Reactor



System UASB-IC-Reactor



System Aquatyx

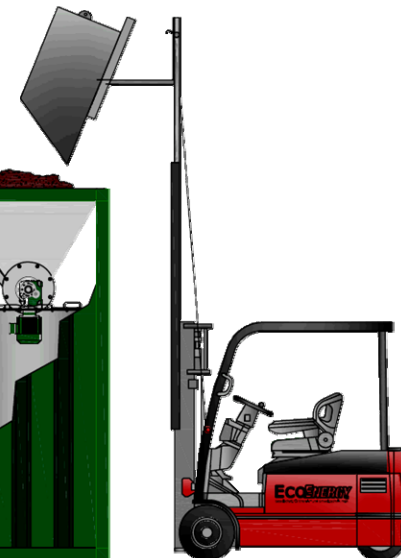
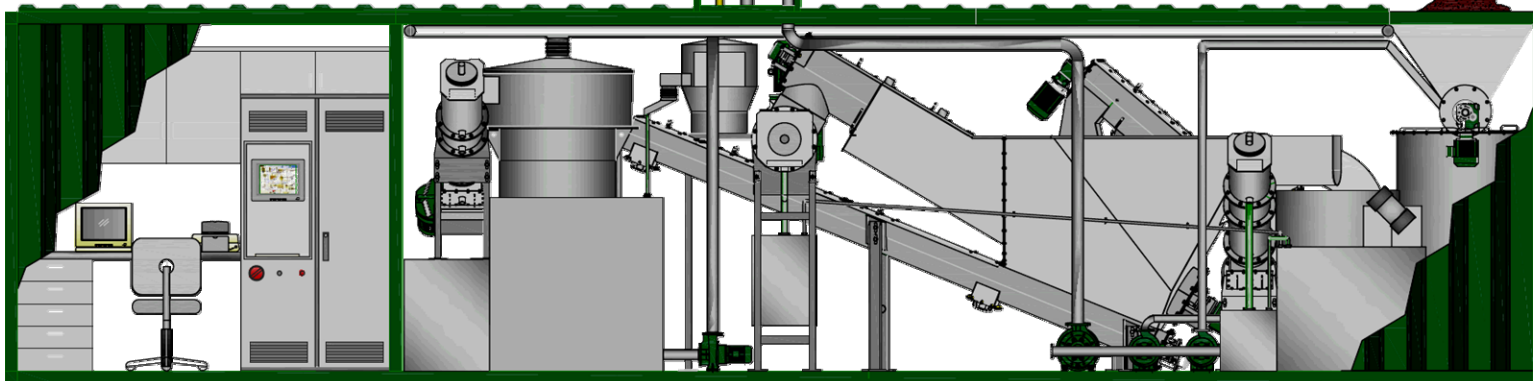
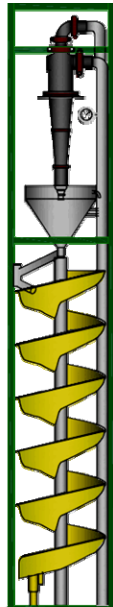
NMT-Process – Compost from MSW - Pilot Plant for Waste Separation and Analysis



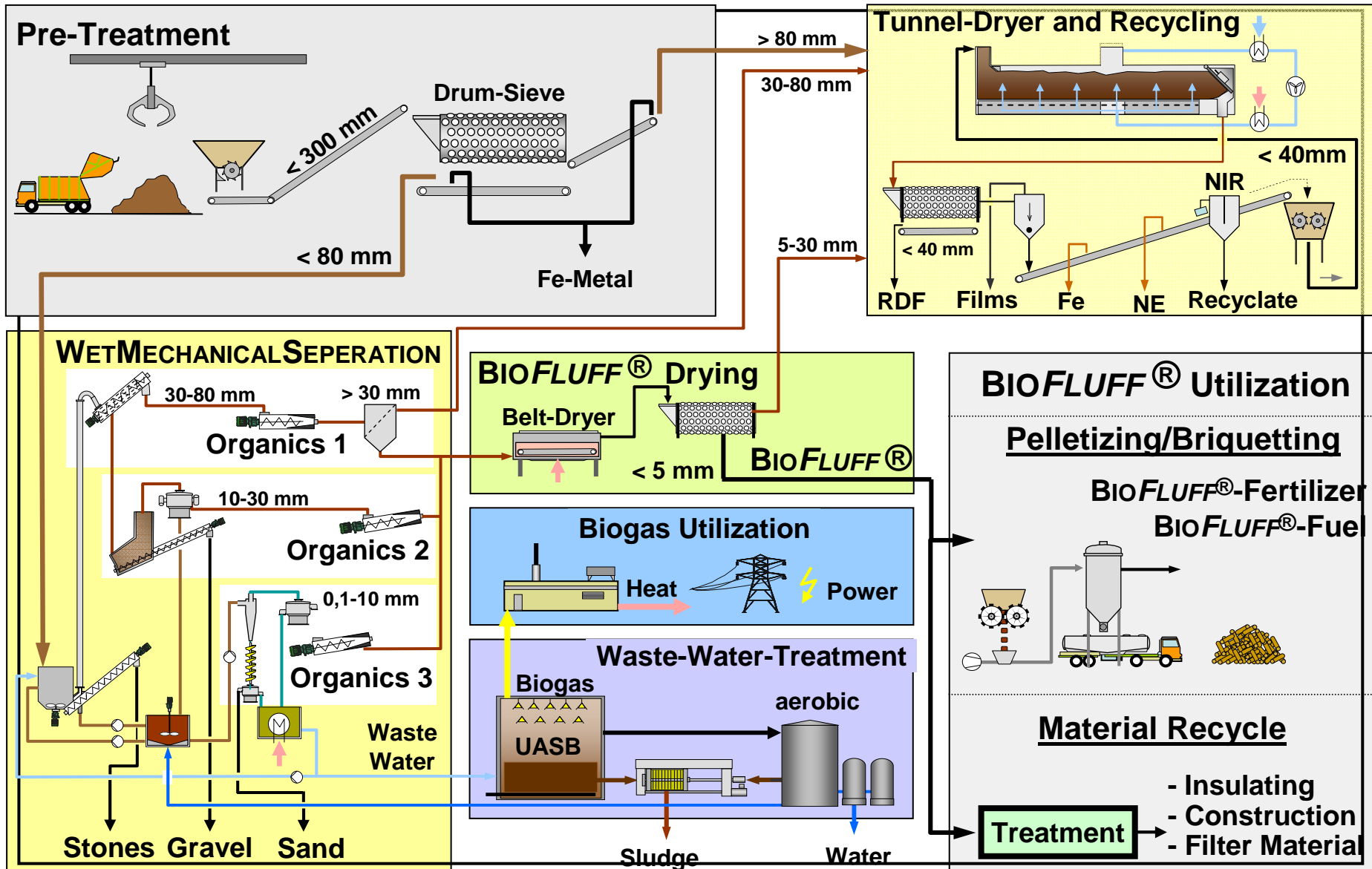
Test Site Wiefels



**Research Center
Walkenried**



Vision 2020 – Sustainable Mechanical-Biological-Treatment without Landfill



Products of NMT-Process

BioFluff < 5 mm
Organics 2 (10 – 30 mm)



BioFluff < 2 mm
Organics 3 (< 10 mm)



BioFluff-Pellets



Sand < 2 mm



Gravel 2-15 mm



Stones 15–80 mm