

WASTE **TEC** GMBH

Engineering • Procurement • Construction

ADVANCED SOLUTIONS FOR WASTE TREATMENT PLANTS

FROM CONCEPT TO COMPLETION



HBHE Consulting

www.hbheconsulting.com

YOUR PARTNER FOR TURNKEY PLANT SOLUTIONS



Process Consultancy

- Feasibility study
- Definition of treatment objectives
- Preliminary planning



Detailed Engineering

- Classification of technical interfaces
- Establishment of mass balance
- Technical specification of plant components
- Process and instrumentation diagram
- Detailed plant engineering
- Supporting services for the plant operator (planning, supervising)



Project Management

- Procurement
- Coordination of all parties involved
- Project Scheduling



Manufacturing / Equipment Supply

- Quality assurance
- Factory acceptance tests of third party supplier deliveries
- Preparation of operation manuals
- Shipping and handling



Installation - Commissioning

- Site coordination
- Mechanical and Electrical installations
- Commissioning
- Training of plant personnel
- Plant implementation as general constructor



Customer Service

- Remote access for support
- Service contracts
- Preventive services
- Service hotline

Waste Tec GmbH

WASTE TREATMENT SOLUTIONS

MECHANICAL TREATMENT



RECYCLING

- Max. recovery of tailored RDF for WtE-systems
- Recovery of recyclables:
 - Sorting of ferrous and non-ferrous metals
 - Sorting of Plastics (PET, HDPE, PP, etc.)
 - Separation of non-combustibles
- Reduction of landfill disposal

MECHANICAL-BIOLOGICAL TREATMENT



WASTE TO ENERGY

- Max recovery of clean dry SRF & recyclables
- Tailored systems for:
 - co-firing
 - advanced EWtE-technologies (gasification)
 - Minimization of landfill disposal
 - Elimination of GHG from landfills
 - Forced aeration technology for in vessel bio-drying

IN VESSEL COMPOSTING



TURN INTO GREEN

- Aerobisation and composting of digestate after anaerobic digestion
- SSO-composting
- Sewerage sludge composting
- Forced aeration technology for in vessel composting, sanitation and stabilization of green waste

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