


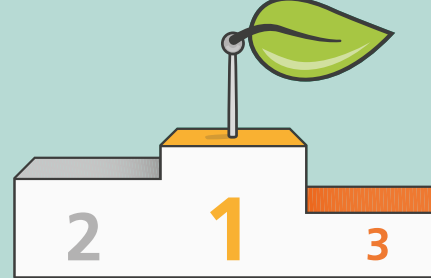

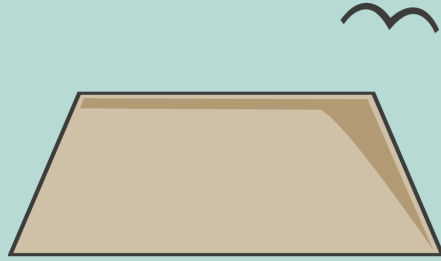


# Waste management strategy development

Methodology and services

Our services	<b>Waste management strategy</b> 	<b>Waste surveys</b> 	<b>Technology assessment and implementation</b> 	<b>Sustainability assessment</b> 	<b>Training programs</b> 	<b>Landfills evaluation and rehabilitation</b> 
How we work	<ul style="list-style-type: none"> <li>» Strategy development according to international standards (e.g. UNEP)               <ul style="list-style-type: none"> <li>- Identification of priority waste streams and issues</li> <li>- Integration of stakeholders</li> <li>- Definition of goals, targets and indicators</li> <li>- Benchmarking</li> <li>- Transparent decision making (e.g. Multi criteria analysis)</li> <li>- Options for political action</li> </ul> </li> <li>» Waste collection and treatment concepts</li> </ul>	<ul style="list-style-type: none"> <li>» Analysis of status quo (e.g. assessment of available knowledge and data)</li> <li>» Tailor-made planning and execution of waste surveys               <ul style="list-style-type: none"> <li>- Sorting and sighting analyses</li> <li>- Laboratory analyses</li> <li>- Interviews</li> <li>- Statistical analyses and extrapolations</li> </ul> </li> <li>» GIS database development</li> </ul>	<ul style="list-style-type: none"> <li>» Waste treatment technology assessment and selection               <ul style="list-style-type: none"> <li>- Chemical recycling of plastics and composites</li> <li>- Incineration</li> <li>- Utilisation of biomass and biogenic residues</li> <li>- Emission measurement and off-gas treatment</li> </ul> </li> <li>» Market research</li> <li>» Technology development and optimisation</li> </ul>	<ul style="list-style-type: none"> <li>» Life Cycle Assessment according to ISO 14040 / 44</li> <li>» Environmental Product Declarations</li> <li>» GHG and Energy Balance</li> <li>» Resource consumption</li> </ul>	<ul style="list-style-type: none"> <li>» Assessment of knowledge base</li> <li>» Definition of training targets</li> <li>» Design of customized training programs</li> <li>» Creation and production of training materials</li> </ul>	<ul style="list-style-type: none"> <li>» Assessment of available knowledge and data</li> <li>» Historical investigation</li> <li>» Geometry survey</li> <li>» Geotechnical investigation</li> <li>» Geophysical investigation</li> <li>» Landfillgas and groundwater monitoring and assessment</li> </ul>
What you get	<ul style="list-style-type: none"> <li>» Zero waste and waste reduction concepts</li> <li>» Circular economy roadmap</li> <li>» Waste management strategy for selected or all waste types</li> <li>» Separate collection, recycling and recovery targets</li> <li>» Monitoring plan and digital tools</li> <li>» Legal strategy</li> <li>» Extended Producer Responsibility (EPR) implementation</li> </ul>	<ul style="list-style-type: none"> <li>» Interactive, real-time database on               <ul style="list-style-type: none"> <li>- Waste amounts</li> <li>- Waste composition and qualities</li> <li>- Recycling, recovery and waste prevention potentials</li> <li>- Status quo of overall waste management and landfills</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>» Optimisation of treatment processes and facilities</li> <li>» Feasibility study for new technology integration</li> <li>» Market entry scenario</li> <li>» Business case</li> </ul>	<ul style="list-style-type: none"> <li>» Environmental impact of processes and products</li> </ul>	<ul style="list-style-type: none"> <li>» Staff trained to successfully execute your waste management strategy               <ul style="list-style-type: none"> <li>- Lectures and workshops by our expert</li> <li>- Practical trainings in the field</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>» Risk-Assessment with regard to               <ul style="list-style-type: none"> <li>- Groundwater</li> <li>- Air quality</li> <li>- Soil</li> <li>- Population protection</li> </ul> </li> <li>» Documentation on GHG emissions</li> <li>» Rehabilitation strategy</li> <li>» After-use concept</li> </ul>