

Waste Management

Challenges & Solutions to implementing an effective and operational waste management, sorting, and recycling system at a Municipality level

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- 1) Municipal waste consultant.
- 2) Coordinator of sustainable development projects related to waste management and valorization.
- 3) Education and training sessions about waste management and water conservation – for companies, schools and refugees.

Definition / Benefits	Constraints / Challenges / Barriers
<ul style="list-style-type: none"> ✓ Implementation of Effective and operational waste management, sorting, and recycling system at a municipal level. ✓ Benefits: the 3 components of sustainable development ✓ <i>Economic</i>: by providing local industries with raw materials, and minimizing importation ✓ <i>social</i>: Job creation due to local surplus of raw materials, that leads to empowering the private sector. ✓ <i>environment</i>: Decreasing landfill waste and all its direct and indirect environmental impacts (like water, air pollution) 	<ul style="list-style-type: none"> ✓ High organic % - (which leads to a higher cost in incineration) ✓ Lack of Proper/Legal Dumpsites ✓ Lack of public awareness ✓ Lack of municipal sorting ✓ Corruption ✓ Lack of proper facilities (secondary sorting station, composting stations and proper incinerators) ✓ Lack of municipal norms and centralized norms
Best Practice / Solutions / Tools	Resources / local Availability

<ul style="list-style-type: none">✓ sorting at source✓ Decentralization of waste treatment✓ Enforcement and centralized control system✓ Governmental Norms and regulations✓ Legal municipal framework and quota✓ Specific testing labs and expertise for waste incineration	<ul style="list-style-type: none">✓ external funds✓ Internal funds for local community and local municipal donors✓ Availability of recycling industries and opportunity of expansion
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