

Municipal Solid Waste Management in Azerbaijan

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Waste Management in Azerbaijan

350 kg of waste falls per person annually in Baku. Official data indicates the presence of 2,540 garbage collection points distributed across the city, alongside three designated waste landfills situated in the Sabunchu, Surakhani, and Garadagh regions. The Balakhani city waste disposal landfill, operational since 1963, stands as the largest among them. Despite the predominant transportation of waste to the designated landfills, a significant number of unauthorized dumps proliferated in the suburbs of Baku. In response, the president ordered the establishment of "Tamiz Shahar" JSC, with subsequent measures aimed at enhancing its material and technical infrastructure. Consequently, a garbage incineration plant and solid waste sorting facility were built in Balakhani.

«TAMIZ SHAHAR» JSC

Was established on March 12,
2009 in accordance with the Decree of the
President of
Azerbaijan Republic on «Improvement of Municipal
Waste Management in Baku city» dated August 6,
2008.



Collection and Transportation Work.

Collection and transportation of solid municipal waste is being implemented by Baku City Executive Power.



BAKU CITY EXECUTIVE POWER

Introduction

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WASTE MANAGEMENT IN AZERBAIJAN

Landfill - The Rehabilitation of Balakhani Landfill.

- ORGANIZATION OF WASTE ACCEPTANCE AND UTILIZATION IN PROPER MANNER;
- Prevention of adverse affects to the environment;
- Development of internal and external infrastructure/communications;

Before



After



Balakhani Landfill

- **Protection of public health.**
- **Establishing of security and safety systems;**
- **Creation of new job places;**





ENERGY RECOVERY -WASTE-TO-ENERGY PLANT

Ministry of Economic
Development
of Azerbaijan Republic.



PAPREC

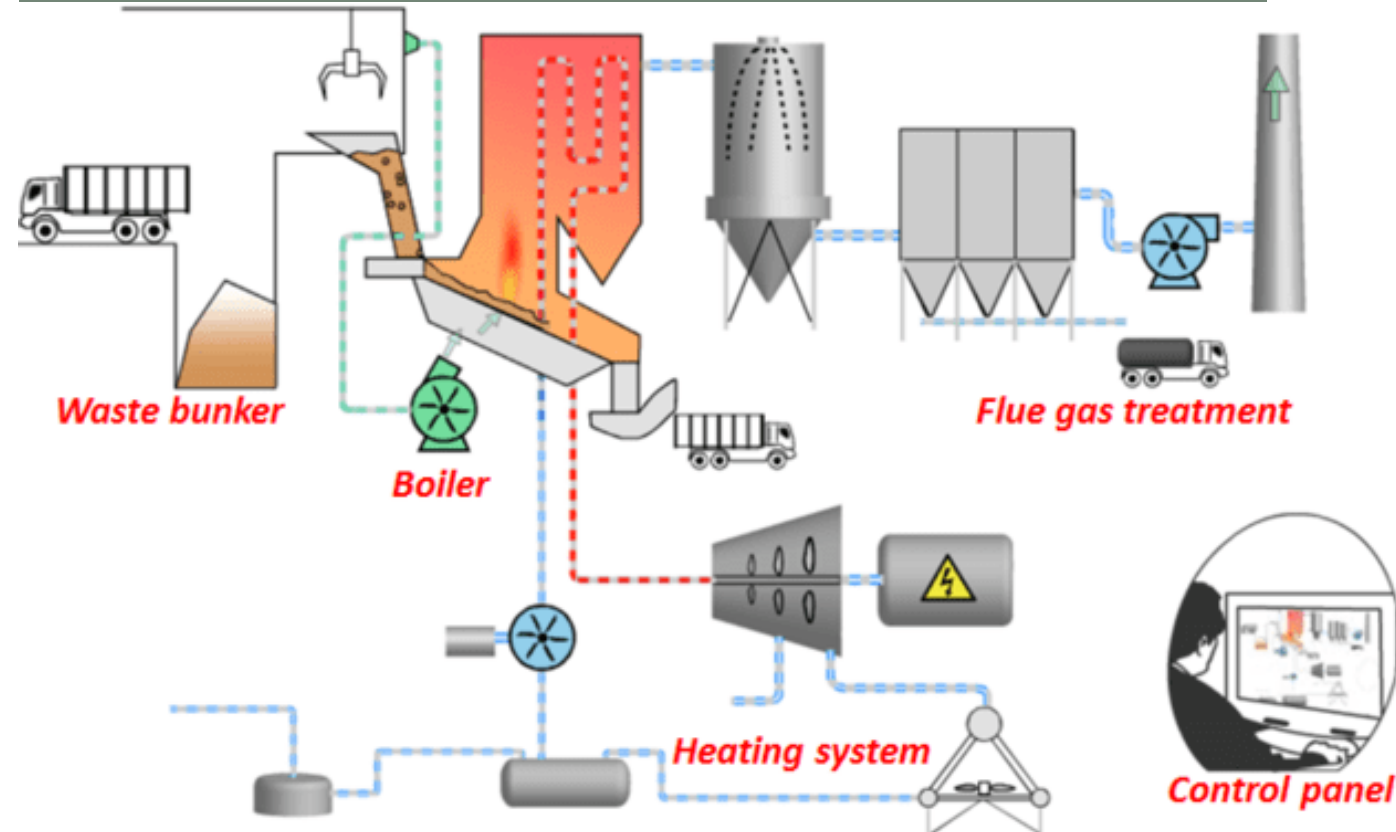
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Energy Recovery -Waste-to-Energy Plant

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- Solid Municipal Waste: 500 000 tons/year;
- Clinical waste: 10 000 tons/year;
- Electric energy generation: 231,5 million kW-h/year;





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Energy Recovery -Waste-to-Energy Plant

TECHNOLOGY APPLIED: 4TH GENERATION

Material recovery - Sorting Line (Material Recovery Facility)





SORTING LINE (MATERIAL RECOVERY FACILITY)



- Reduction of negative impact to environment;
- Saving in natural resources and energy;
- Reusable and cheap raw material market;
- Reduction of final waste volume;
- New job places;



"TAMIZ SHAHAR"
OPEN JOINT-STOCK COMPANY

**CLICK THE PLAY ABOVE TO
WATCH A SHORT VIDEO**

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Balakhani Eco-Industrial Park



WASTE MANAGEMENT IN AZERBAIJAN

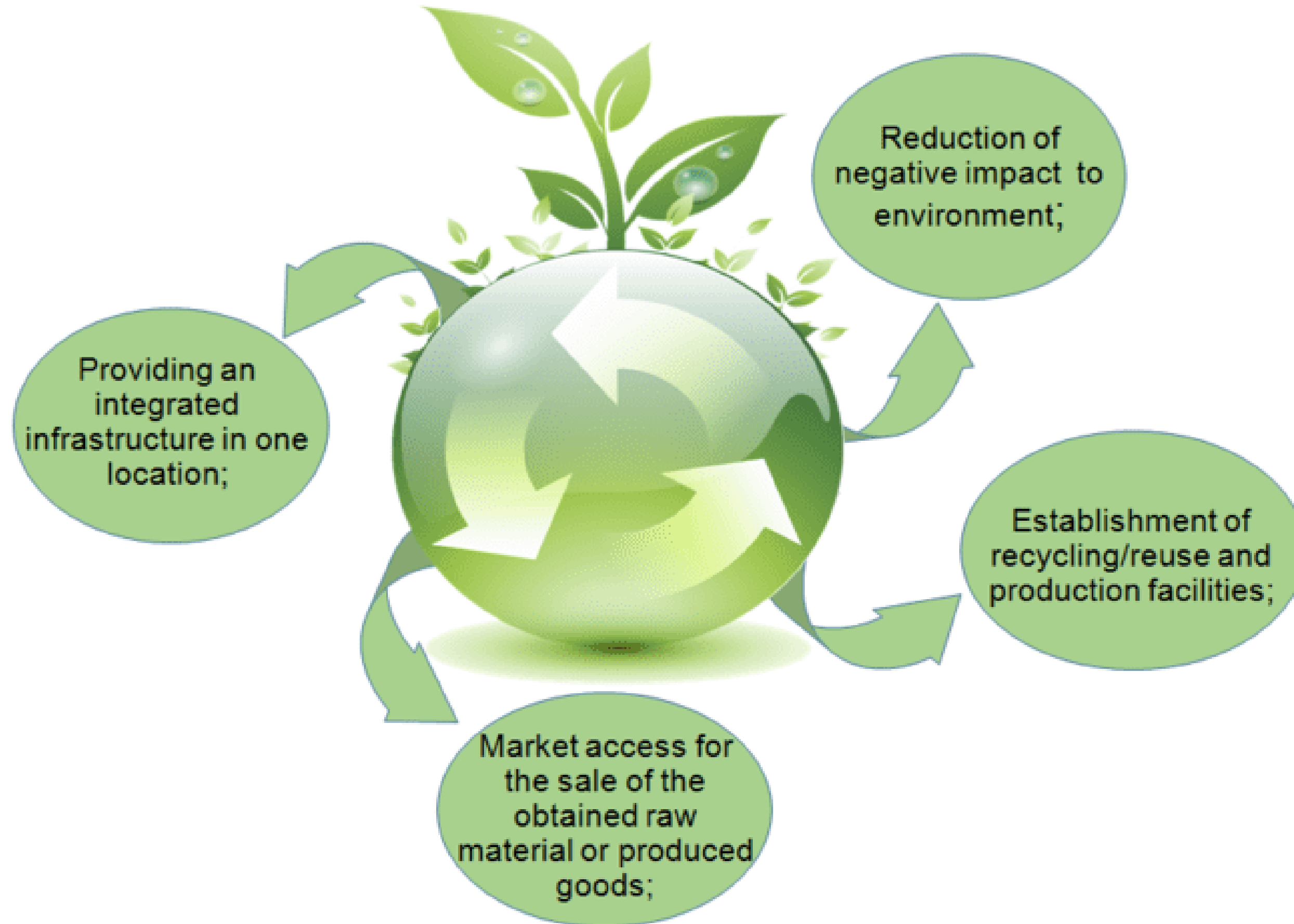
Manufactured goods



**GOODS ARE PRODUCED BY RESIDENTS OF
BALAKHANI INDUSTRIAL PARK**

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BALAKHANI ECO-INDUSTRIAL PARK



LAKE

Within the scope rehabilitation of Boyukshor Lake.

- Oil contaminated areas have been treated in the promenade.
- Automated control/monitoring system have been installed to manage water level and quality.
- 3 culvert hydro technical facilities which regulate water level and mechanical treatment system with 2 basic treatment facilities has been installed.



ZERO- WASTE

Works on isolation in the East part of the lake , construction of the road dam dividing the lake, cleaning of the bottom sediments, improvement of water quality, construction of promenade and park has been carried out.

Pilot Projects



Within «Tamiz Gala» project at the territory of the historic village of Gala a system of separate collection and disposal of household waste is being organized: within the project scope the waste is separated into organic and non-organic in dwellers' homes.

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Karabakh



WASTE MANAGEMENT IN AZERBAIJAN



Construction Demolition Waste in Karabakh



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Construction waste generated during the occupation in Azerbaijan's Aghdam district is recycled and used in construction work.



**Thank you for
attention!**