

# WASTE MANAGEMENT SYSTEM IN BUDAPEST

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BGSZC HARSÁNYI JÁNOS TECHNIKUM

# FKF NONPROFIT ZRT IS THE LARGEST WASTE MANAGEMENT COMPANY IN HUNGARY

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The company deals with the collection and treatment of waste generated by business organizations and also cleans all public areas in the capital.



# DOOR-TO-DOOR SEPARATE WASTE COLLECTION

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FKF operates 16 waste yards within Budapest and has run the Door to Door Separate Waste Collection System in the whole territory of the city since 2013.



# SEPARATE WASTE COLLECTION

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- In Hungary there is a growing social demand according to which services related to waste should take the interests of environmental protection into full account.
- FKF attempts to meet this requirement by providing our customers with several services in connection with separate waste collection.
- Besides, FKF focuses on performing waste transportation, recycling and disposal using cutting-edge technology in an eco-friendly way

# SEPARATE WASTE COLLECTION YARDS

- Residents are given the possibility to get rid of their non communal household wastes here. (bottles, electrical devices, batteries, construction waste, textile , clothing, packaging material, etc)



## EDUCATIONAL AND REUSE CENTRES



- The educational function has the target to spread environment-friendly attitude and behaviour, from the view of residents and introduce the modern waste technology process.



# BUDAPEST WASTE-TO-ENERGY PLANT

# WASTE TO ENERGY PLANT

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FKF owns a number of important facilities and sites within and outside Budapest . Budapest Waste Energy Plant is one of the most modern and significant waste recovery plants in Europe. The incoming waste is used in the facility through energy recovery.

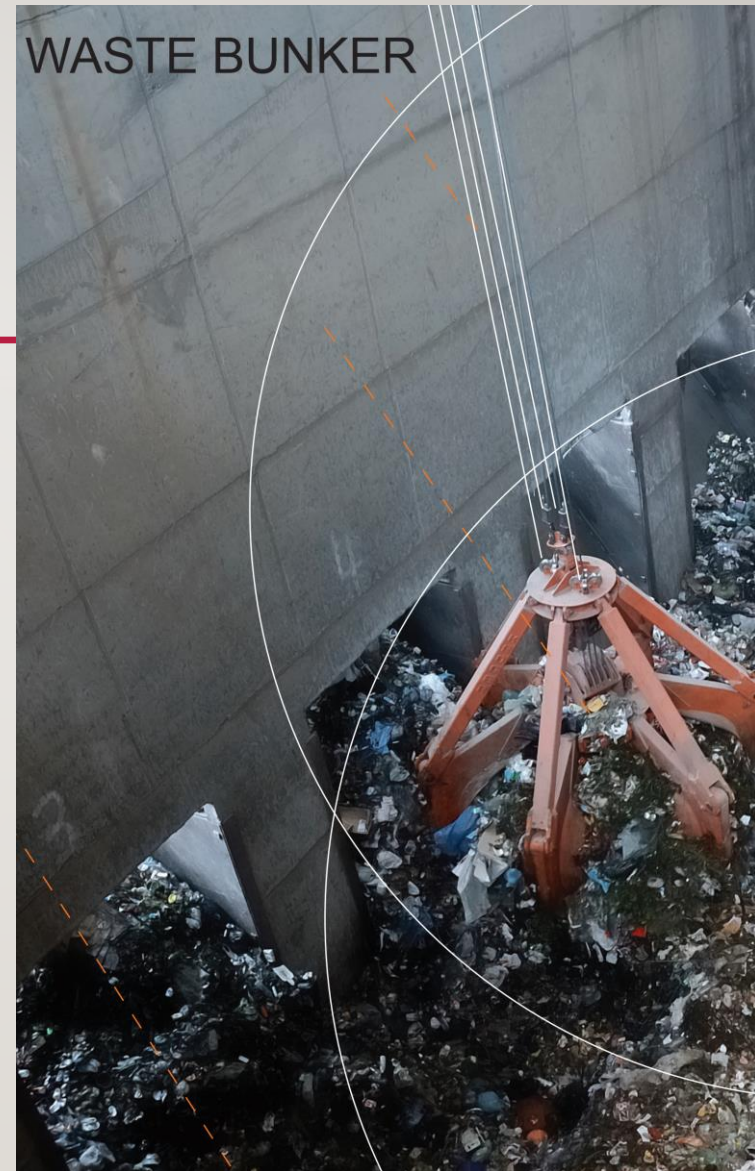




# WASTE BUNKER

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- Waste procession, disposal and recycling is a complex task since the different types cannot be treated in a unified way.
- Waste hierarchy which is defined in five steps provides help concerning the proper order in which waste should be treated.



PREVENTION

REUSE

RECYCLING

ENERGY  
RECOVERY

DISPOSAL

FKF Nonprofit Zrt. (FKF Nonprofit Pte.) takes a responsible role in waste management, i.e.: the collection, transport, reuse and recycling as well as the disposal of waste generated in Budapest. The Company is owned by the Municipality of Budapest, and it operates the only waste-to-energy plant functioning in Hungary; thus also transforms more than 60 percent of the municipal solid waste generated in the capital city into energy. This publication provides detailed information on how the plant operates and how energy is produced out of waste.

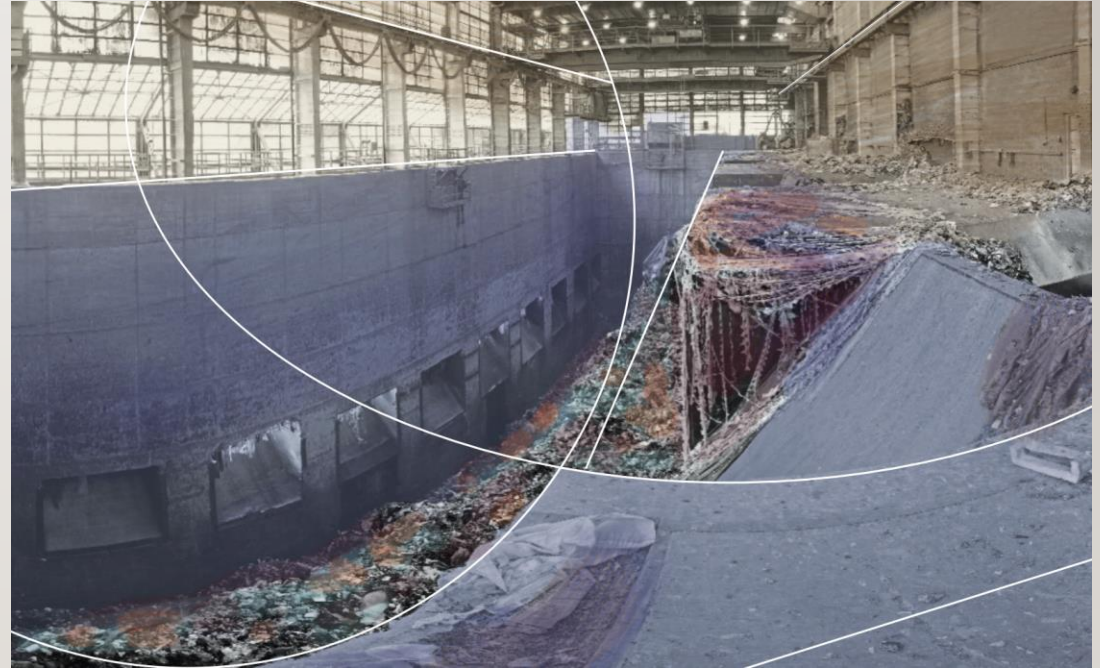
Municipal solid waste generated in Hungary	2008	2009	2010	2011	2012	2013	2014
(thousand tons)	4,553	4,312	4,033	3,809	3,987	3,738	3,712

Source: Hungarian Central Statistical Office

# ENERGY RECOVERY

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- Due to the modern flue gas cleaning facility, the waste-to-energy plant puts far less burden on the environment than the landfill or an electric power generating plant utilising solid fuel.



# PUSZTAZÁMOR REGIONAL LANDFILL

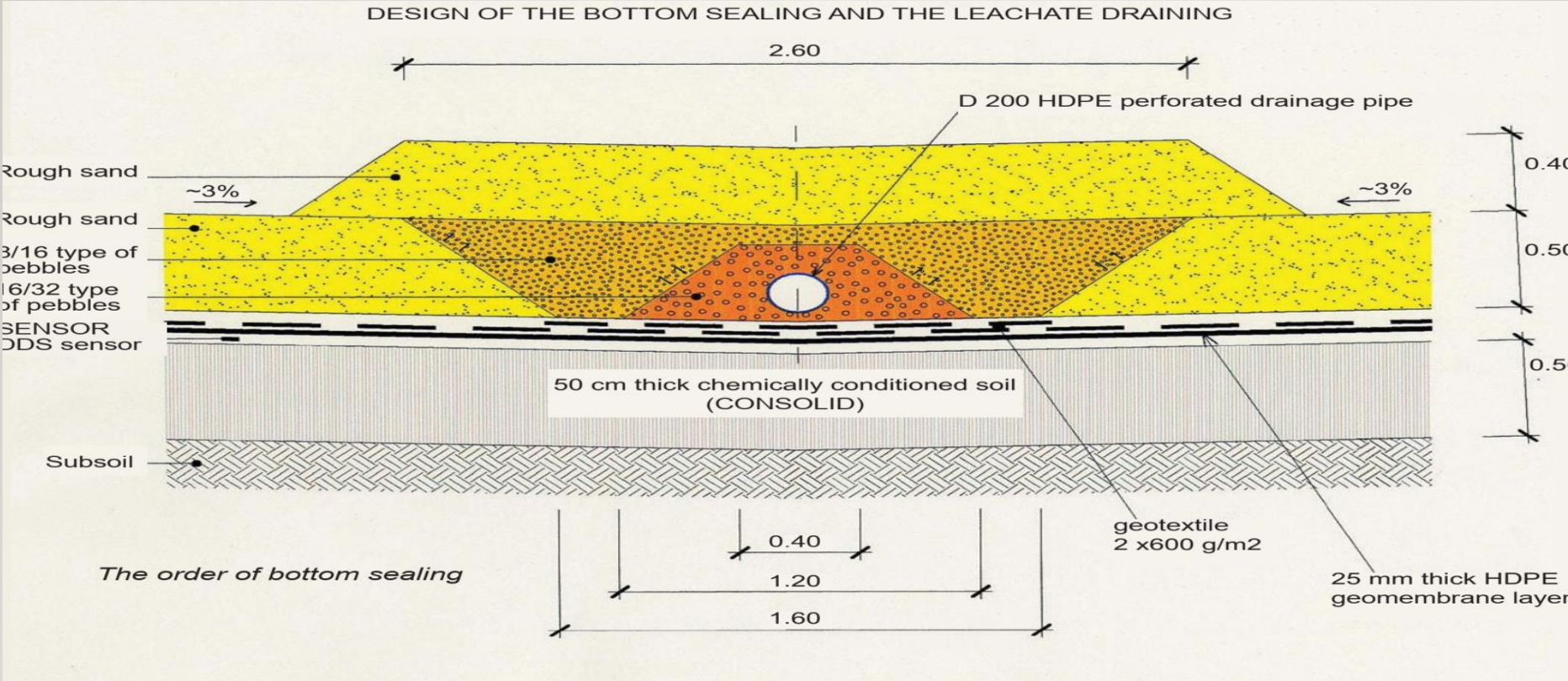
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FKF Company operates Pusztazámor Regional Landfill which has lately been expanded with extra storage capacity. Significant progress has also been made in landfill gas utilization.

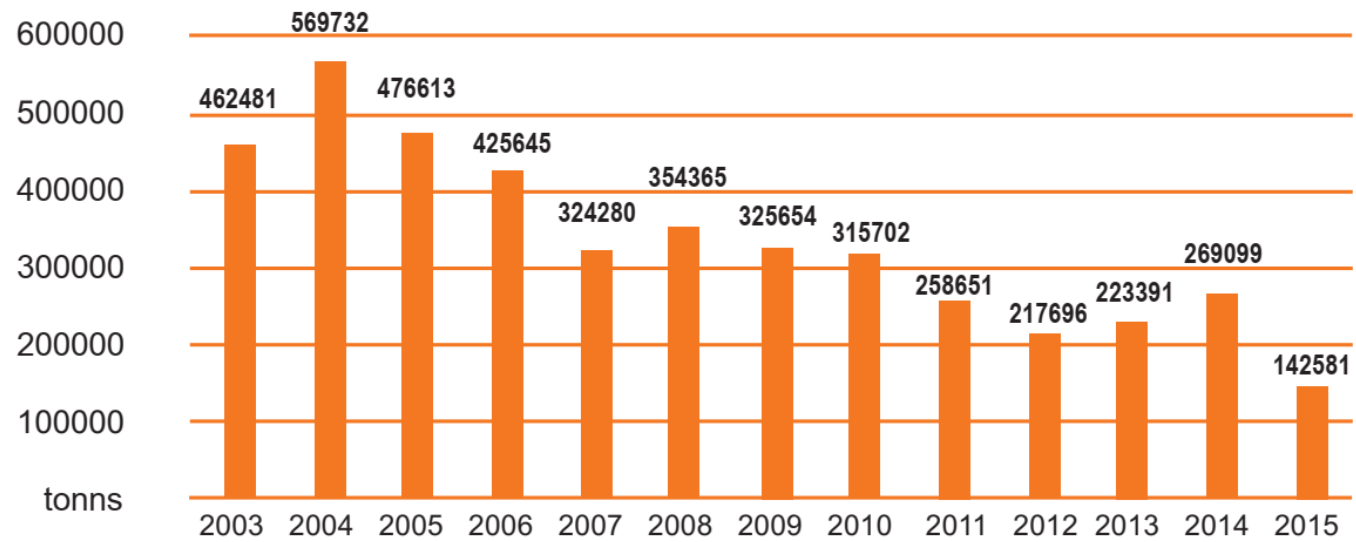




# THE LANDFILL IS EQUIPPED WITH A FULL RANGE OF TECHNICAL PROTECTION



## Waste received for disposal between 2003 and 2015



# SOURCES:

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- [https://www.fkf.hu/storage/app/media/Kiadvanyok/ENG\\_HUHA\\_elektronikus.pdf](https://www.fkf.hu/storage/app/media/Kiadvanyok/ENG_HUHA_elektronikus.pdf)
- [https://www.fkf.hu/storage/app/media/Kiadvanyok/ENG\\_PUSZTAZAMOR\\_elektronikus.pdf](https://www.fkf.hu/storage/app/media/Kiadvanyok/ENG_PUSZTAZAMOR_elektronikus.pdf)
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# THANK YOU FOR WATCHING!

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