



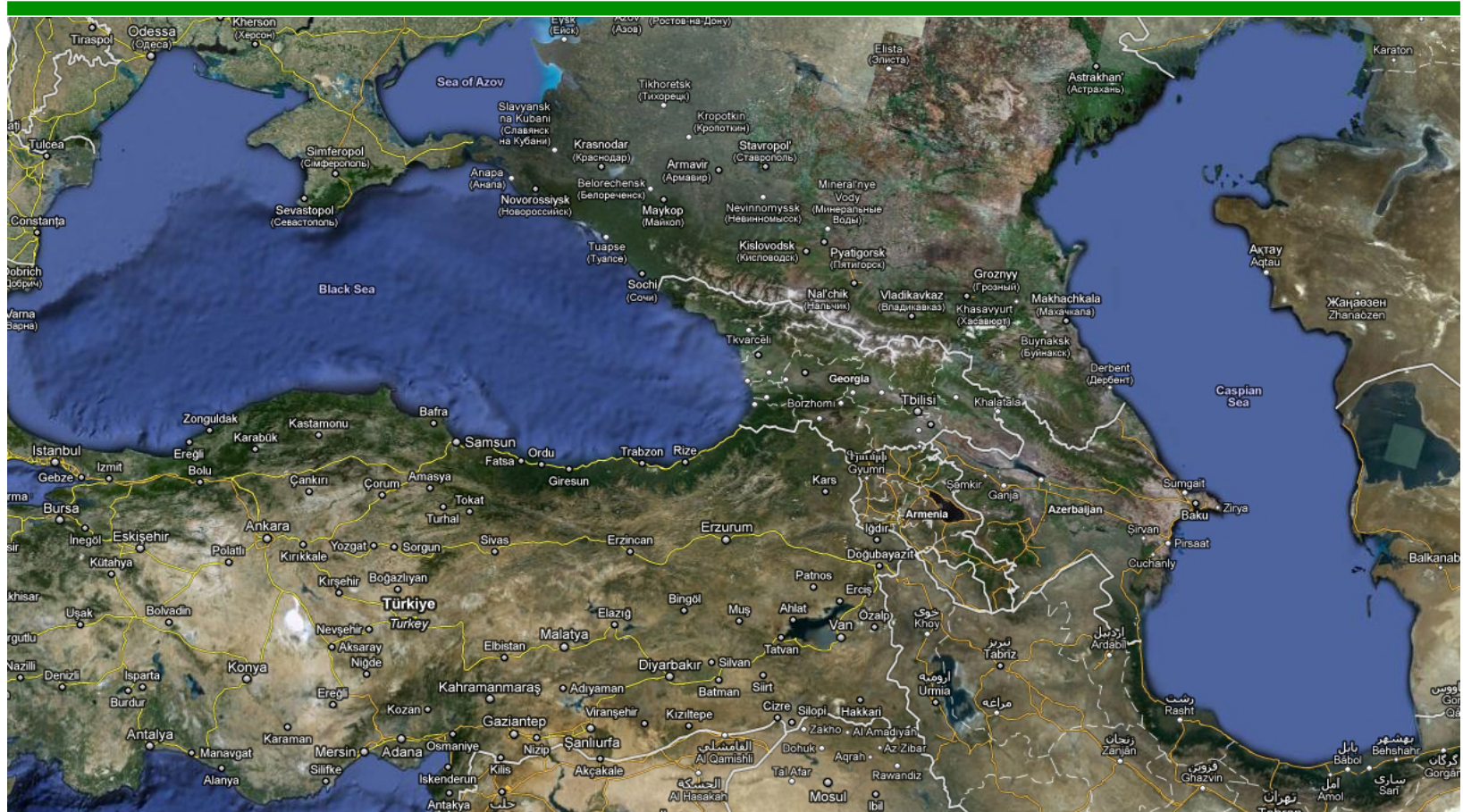
«Tamiz Shahaar»

Joint Stock Company



***Waste Management in Baku city,
capital of Azerbaijan***

Baku city — The Capital of The Republic of Azerbaijan



Caspian Sea



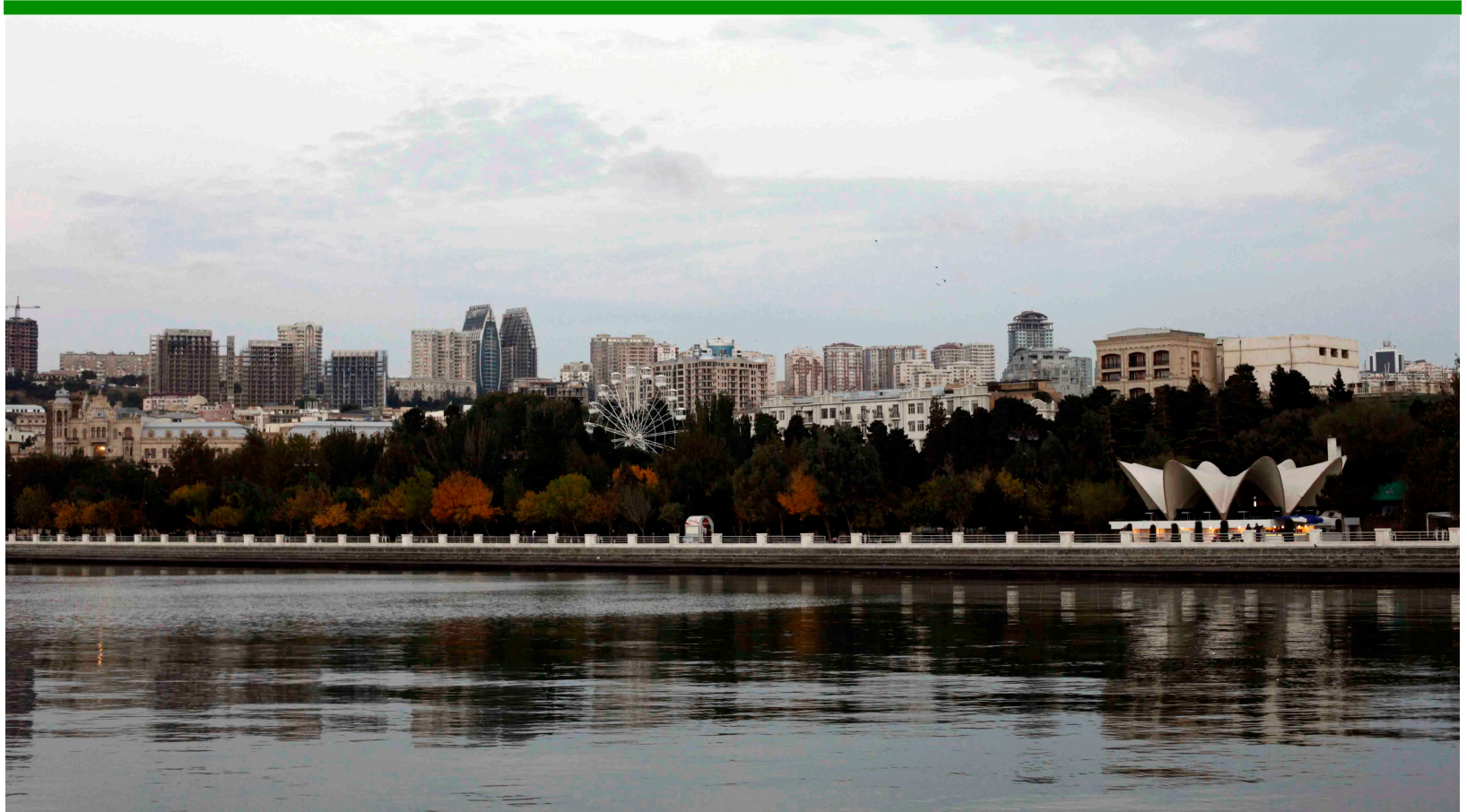
Baku city — The Capital of The Republic of Azerbaijan



Apsheron Peninsula



Baku city — The Capital of The Republic of Azerbaijan



Commercial, cultural and scientific centre in the Caucasus

Baku city — The Capital of The Republic of Azerbaijan



- **Territory:** 2 130 km²

Baku city - The Capital of The Republic of Azerbaijan



- **Territory:** 2 130 km²
- **Population:** more than 2.5 million people



The Amount of Waste



The municipal solid **waste per capita** is about **350 kg per annum**.



The Amount of Waste



The municipal solid **waste per capita** is about **350 kg per annum**.

The **main reason** is increase of **welfare** and **consumption basket**.





«Tamiz Shahr» 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**.



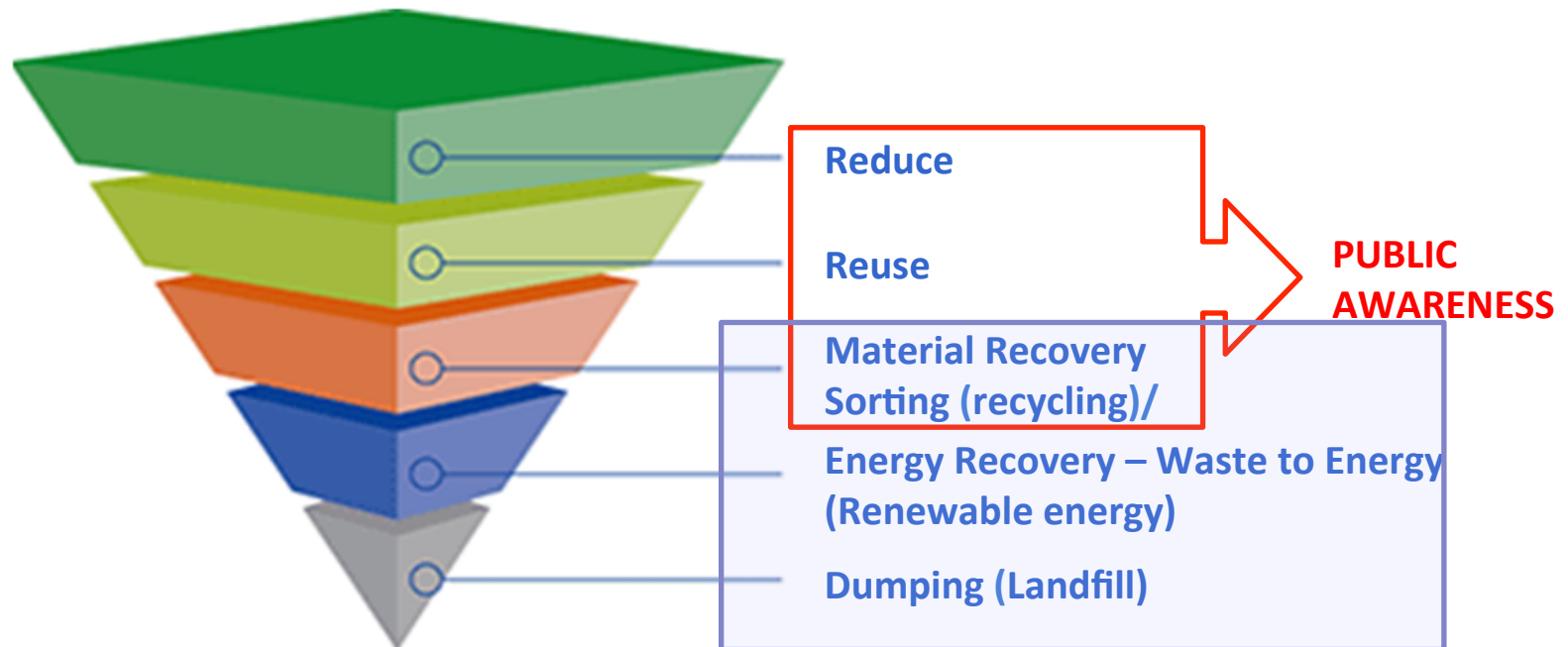
Collection and Transportation Work



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



General Waste Management Concept



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;



The Rehabilitation of Balakhani Landfill



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



«The Integrated Solid Waste Management» Project



Project components:

- Institutional support and capacity building;
- Rehabilitation and management of the Balakhani landfill;
- Rehabilitation of closure of other dumps sites;
- Procurement of waste management equipment;
- Technical preparation of post project investments.



Energy Recovery - Waste-to-Energy Plant



**Ministry of Economic Development
of Azerbaijan Republic**



- Solid Municipal Waste: **500 000** tons/year;
- Clinical waste: **10 000** tons/year;



Waste-to-Energy Plant (2009)



The foundation – start of the construction

Waste-to-Energy Plant (2010)



The construction of the plant in 2010

Waste-to-Energy Plant (2011)



The construction of the plant in 2011

Waste-to-Energy Plant (2012)



The construction of the plant in 2012

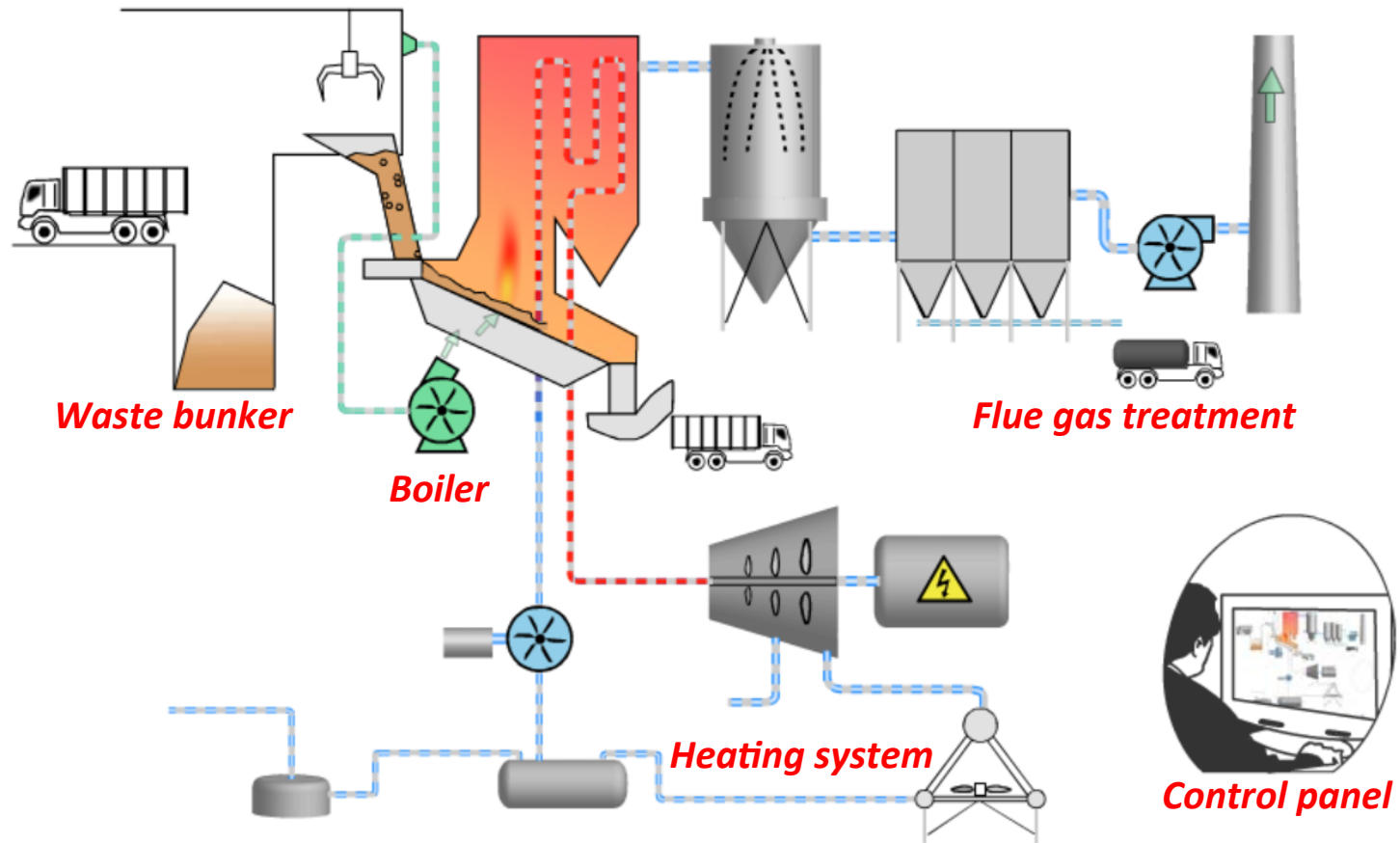
Waste-to-Energy Plant (2013)



- Commissioning date: **December 19, 2012**
- Electric energy generation: **231,5 million kW-h/year;**
- Plant construction period: **40 months;**



Waste-to-Energy Plant



Technology applied: **4th Generation**



Material recovery - Sorting Line (Material Recovery Facility)



Project goals:

- To increase segregation of municipal waste and develop recycling business

Annual capacity: 200,000 tons



Sorting Line (Material Recovery Facility)



Key benefits:

- **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**;



Balakhani Eco-Industrial Park



Project goals:

- To support recycling businesses, attract foreign investments, transfer of best practices

Area size: 7 ha

Balakhani Eco-Industrial Park



Key benefits:

- Providing an **integrated infrastructure** in one location;
- **Reduction of negative impact** to environment ;
- Establishment of **recycling/reuse** and **production** facilities;
- **Market access for the sale** of the obtained raw material or produced goods.



What should citizens do?

3R

Reduce

Reuse

Recycle



Public Awareness Campaigns



«The Da Vinci Code» intellectual game

Public Awareness Campaigns



“Reuse. Reduce. Recycle”

The first International Children Conference

Public Awareness Campaigns



Monthly tours to Baku Waste to Energy Plant and Balakhany Recovery Facility for pupil and students



Pilot Projects: Icheri Sheher (Old City)



Public awareness on waste segregation



Pilot Projects: Icheri Sheher (Old City)



Segregation of waste into organic and non-organic waste

Pilot Projects: Icheri Sheher (Old City)



«Creative bags» – anti-plastic art bag competition

Pilot Projects: Gala Settlement



Public awareness program



Thank you for attention!

www.tamizshahar.az