Reanimating Cultural Treasure! (ReACT!)

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Re-think, re-use, re-cycle

A' Arsakeio Tositseio Lykeio Ekalis

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Recycling and waste collection in our areas

The importance and the reasons of recycling

It is undeniable that the 20th century is known for production's increase and the effects brought to the environment :

- Air polution
- Consumption of sustainable materials
- Contamination of areas
- Unhealthy habits
- Health problems

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- Unhealthy habits
- Health problems

These problems are caused by

- spread of industrial exhaust gases into the atmosphere
- wrong management of waste

One of the ways to deal with these problems is organized recycling

The official start of recycling in Greece is placed in 2004 . Aims:

- environmental benefits
- improving the economy
- fueling investments
- integrating innovative practices
- circular economy

Problem: the economic conditions of the country are not ideal, but many cities invest and support these programs .

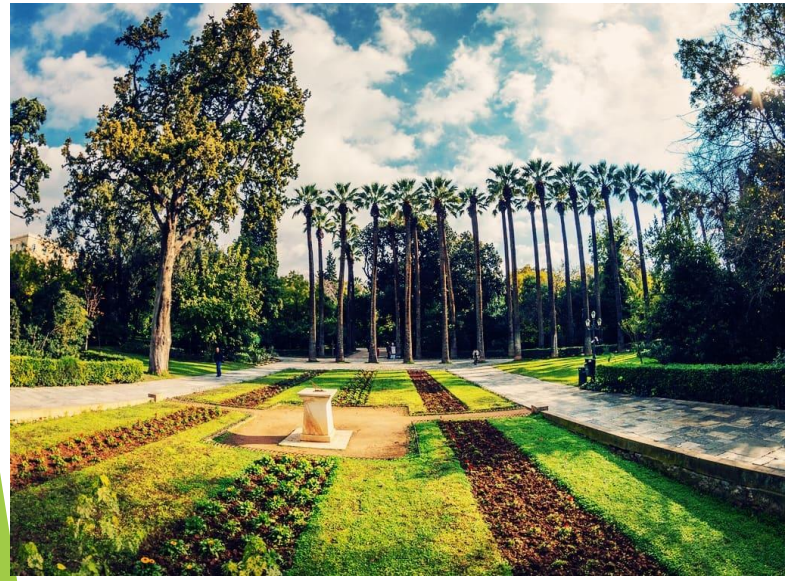
Some of these are the northern and western areas of Athens and more specifically the municipalities of **Marousi, Dionysos, Kifissia and Peristeri .**

ΔΗΜΟΣ ΚΗΦΙΣΙΑΣ

ΔΗΜΟΣ ΔΙΟΝΥΣΟΥ

Δήμος Αμαρουσίου

It is about some of the cleanest and most beautiful areas of Athens , which owe their uniqueness to the organization of the citizens and their diligence towards the conditions submitted by their authorities.



Recycling methods

- Equipment , vehicles- machines and trained staff suitable for the collection and removal of the different types of waste produced.
- Organized collection of waste items
- Bins separated according to the material, the size and the centre of the recycling procedure.
- Different colored bins for different types of materials in each neighborhood
  - ✓Yellow for plastic
  - ✓Blue for cardboard or paper
  - ✓Green for glass
  - ✓Red for metal

- Informing students by experts in schools
- Implementation of laws related to waste management and disposal
- Informing citizens about the legal reforms of the sector.

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ΠΕΡΙΦΕΡΕΙΑ ΑΤΤΙΚΗΣ
ΒΡΙΣΚΟΜΑ ΕΔΩ
Α ΛΗΨΗ

Φ.Ο.Δ.Σ.Α.

ΒΡΑΒΕΙΟ
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7ο ΔΗΜ. ΣΧΟΛΕΙΟ ΑΙΓΙΟΥ

Also, the authorities of these areas cooperate with one of the Greek organizations that support recycling in our country named **E.O.A.N.** **(Hellenic Recycling Agency)**

Goals of the organization

- Reduction of waste generation - prevention measures.
- Increasing recycling - implementation of alternative management programs
- Strengthening supervision and control of related agencies
- Consolidating enviromental awareness and the principles of the circular economy
- Promoting research
- Improving effiency

Actions

- Enviromental advice and guidance to other organizations and industrial enterprises
- Guidance of municipalities
- Organizing informative activities for children
- Implementation of enviromental programs

The increase of recycling is extremely important and it concerns each one of us individually.

Our future life and the state of the world around us depend on our present actions.

Our goal is to convince citizens as quickly as possible to make ‘’green choices‘’ and contribute to the safety of the planet .

Angeliki Krouskou

Zannis Cheliotis

What does the Greek government do for recycling?

What was happening?

During the last decades only a small percentage of Greek people would recycle and the government did not do much about it.

We had two kinds of trash cans outside, the one was a green one, in which we would throw anything with no recycling value and the blue which was meant for the recycling products.

Some people would steal a lot of valuable materials from the recycling cans, like metal etc., leaving no valuable trash in the can. This situation led us to having landfills which are almost full.

Things are changing progressively

The government implements new measures

A new type of brown can is uesd to throw away food waste in it and turn it into compost

Trash cans with special locks and underground cans. In this way we augment the quantity of valuable reusable wastes.

The three kinds of trash cans

How is the collection of the wastes done today and where do they go?

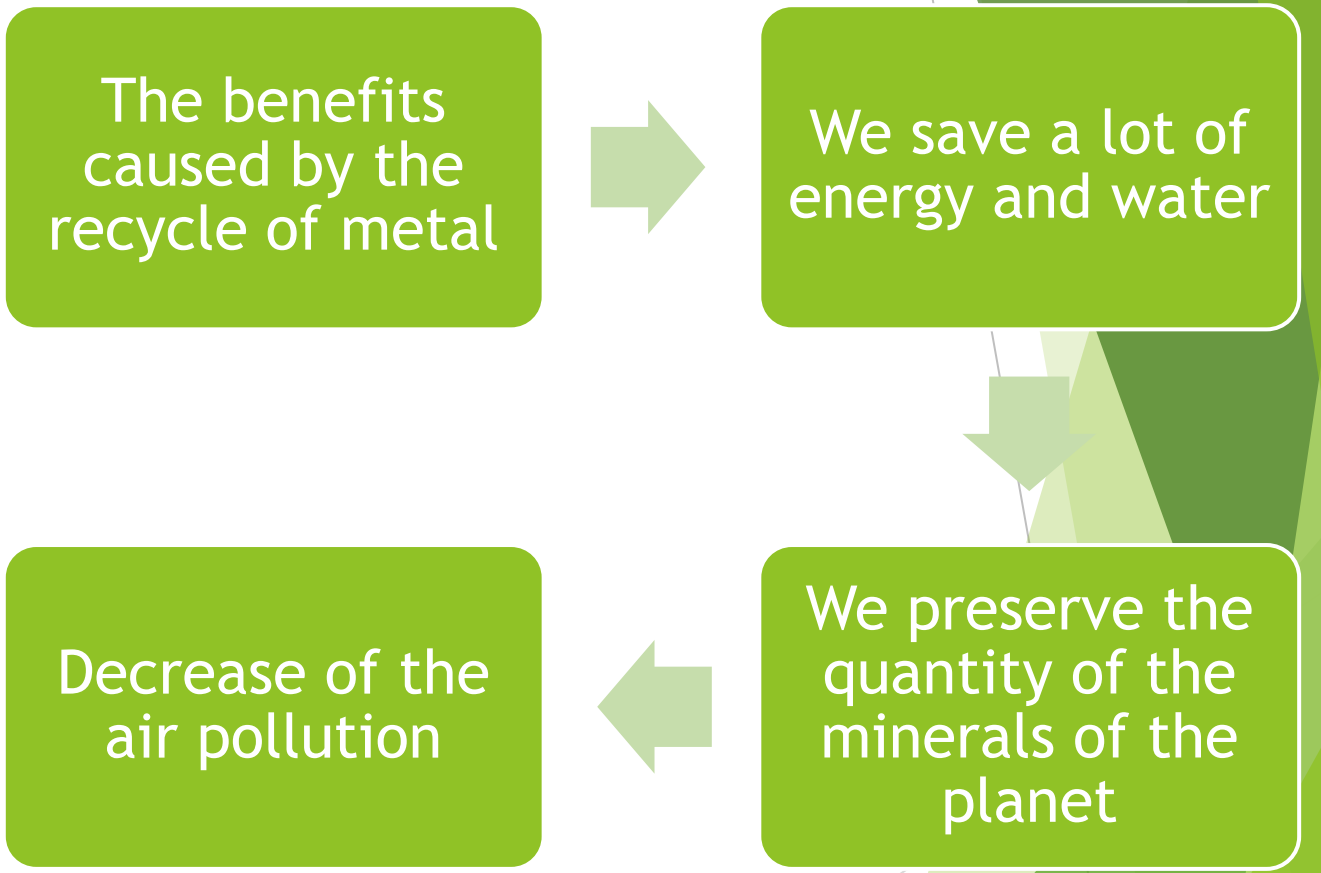
- Wastes from houses and construction sites collected by large trucks.
- All the waste management is done by the Greek Recycling Organization (E.O.AN.), with the help of private companies.
- Screening centers to divide the garbagge into reusable and non reusable
- Construction sites wastes sent for alternative management

A hard job :

The people who do this job get up really early and follow a specific protocol which includes special uniforms, gloves, even a different breakfast than the usual one.

Companies that help in the recycling project

- **ALYKON →carry around and recycling of unwanted cars by collecting metal.**
- **KAPA-ALFA → management of trash cans and solid wastes.**
- **ALL METAL → trades all kinds of metals and other kinds of recyclable garbage.**



Startups and Recycling Companies

MINISTRY OF ENVIRONMENT AND ENERGY

- The Hellenic Recycling Organization is the responsible body of the Ministry of Environment, Energy and Climate Change for the planning and implementation of the recycling policy in Greece.
- The information and the instructions for each municipality given by the Ministry of Environment and Energy, according to EU policy.

We reduce waste,
we give room to life

ΕΛΛΗΝΙΚΟΣ ΟΡΓΑΝΙΣΜΟΣ ΑΝΑΚΥΚΛΩΣΗΣ
HELLENIC RECYCLING AGENCY

PRACTICS INTRODUCED BY MINISTRY OF ENVIRONMENT AND ENERGY

What we can't avoid at all, we recycle! How do we recycle?

- **Put only recyclable materials**, each one in the **dedicated bin,** depending on the waste system in our area.
- **Rinse liquid and food leftovers from the packaging.**
- **Compress packaging** as much as possible. **Bulk** in each bin and not in bags.
- **Separate at source the biowaste,** by using biodegradable bags (EN standard 13432), simple paper bags or newspapers to collect them and dispose them properly in the brown bin or directly in our home composter. Plastic bags should be avoided, as they are mixed with the pure organics and deteriorate the quality of the compost produced.
- **Dispose electric and electronic devices, batteries, light bulbs, ink cartridges** only in proper collection points or networks, never in the residual waste bin.

PRACTICS INTRODUCED BY MINISTRY OF ENVIRONMENT AND ENERGY

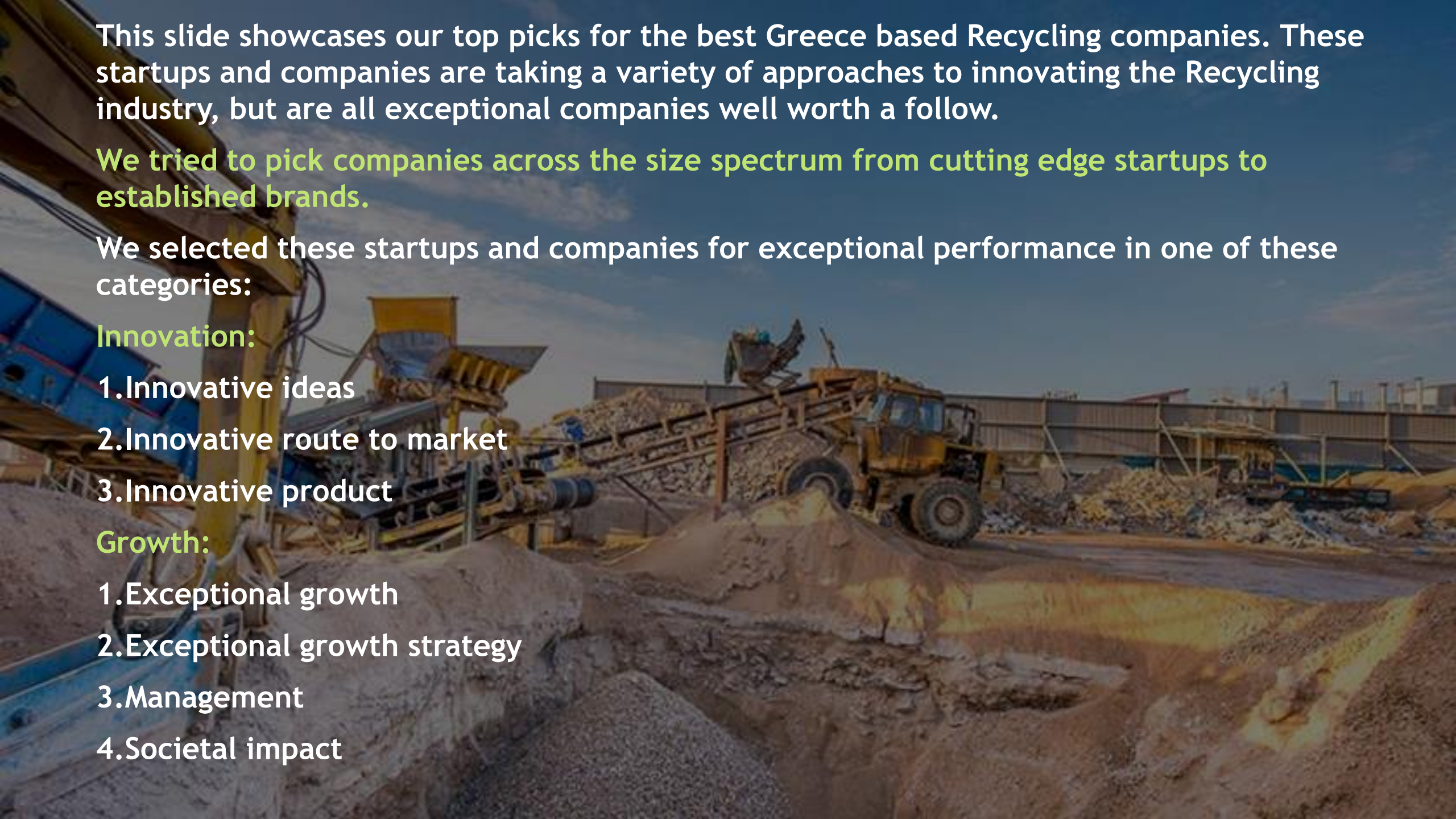
DEMOLISHING A BUILDING...

- **The Collective Alternative Management System "ANAEKK SA" is a non-profit organization approved by the Hellenic Recycling Organization (EOAN).**
- **It is responsible for:**
- **Organization** & control of proper management of AEKK
- **Coordination** of procedures followed during recycling.
- **Information agency** with the aim of promoting the recycling of AEKK.
- **Awareness** & information about the management framework of AEKK.

- AEKK: Excavation, construction and demolition waste
- These materials that have been used and are now useless to their owner, have not lost all their value, can be recycled and new building materials can be produced from them.

What are the benefits of recycling bases?

- 1) **Economical**: Materials recovered with market value. In addition, recycled materials are produced at a lower overall cost than would be paid to produce them from mined raw materials.
- 2) **Environmental**: Uncontrolled disposal in the environment creates risks, such as fires and floods. It degrades aesthetically and pollutes the natural environment, with consequences for the water table and the soil. Producing secondary materials through recycling requires less energy, thus causing lower greenhouse gas emissions.
- 3) **Social:** New jobs are created at all stages of alternative waste treatment, we do not burden municipal waste sites and become environment-ally conscious



This slide showcases our top picks for the best Greece based Recycling companies. These startups and companies are taking a variety of approaches to innovating the Recycling industry, but are all exceptional companies well worth a follow.

We tried to pick companies across the size spectrum from cutting edge startups to established brands.

We selected these startups and companies for exceptional performance in one of these categories:

Innovation:

1. Innovative ideas
2. Innovative route to market
3. Innovative product

Growth:

1. Exceptional growth
2. Exceptional growth strategy
3. Management
4. Societal impact

HEC ⟶ HEC deals with the collection and disposal of refuse systems, waste and slop collection, management, as well as processing.

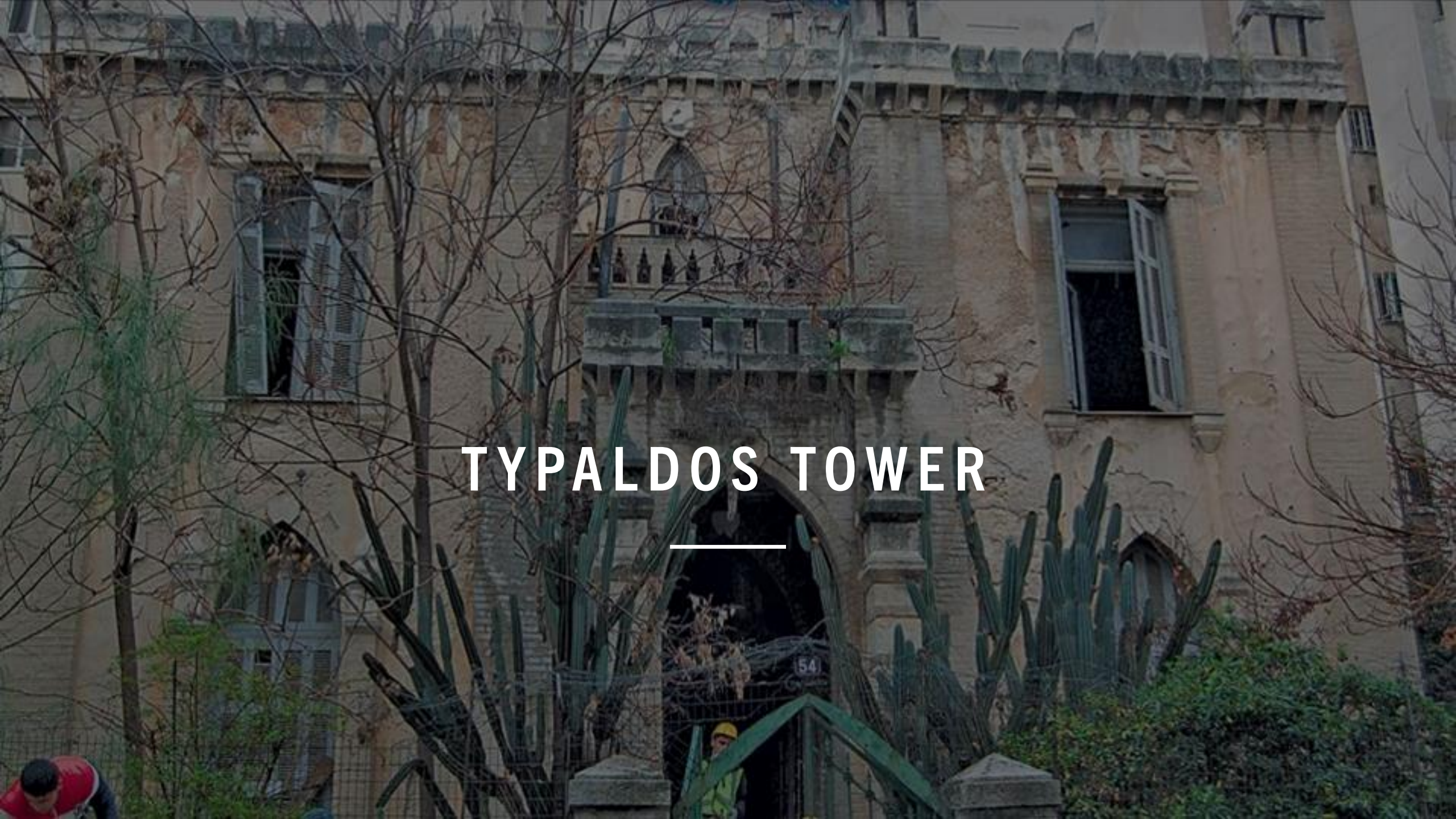
Helector ⟶ Helector provides solutions in the field of waste management that include biological treatment, recycling, and leachate treatment plants.

Kronos Eko ⟶ Kronos Eko involves the collection, management & transportation of hazardous, non-hazardous & municipal waste, including recycling of waste.

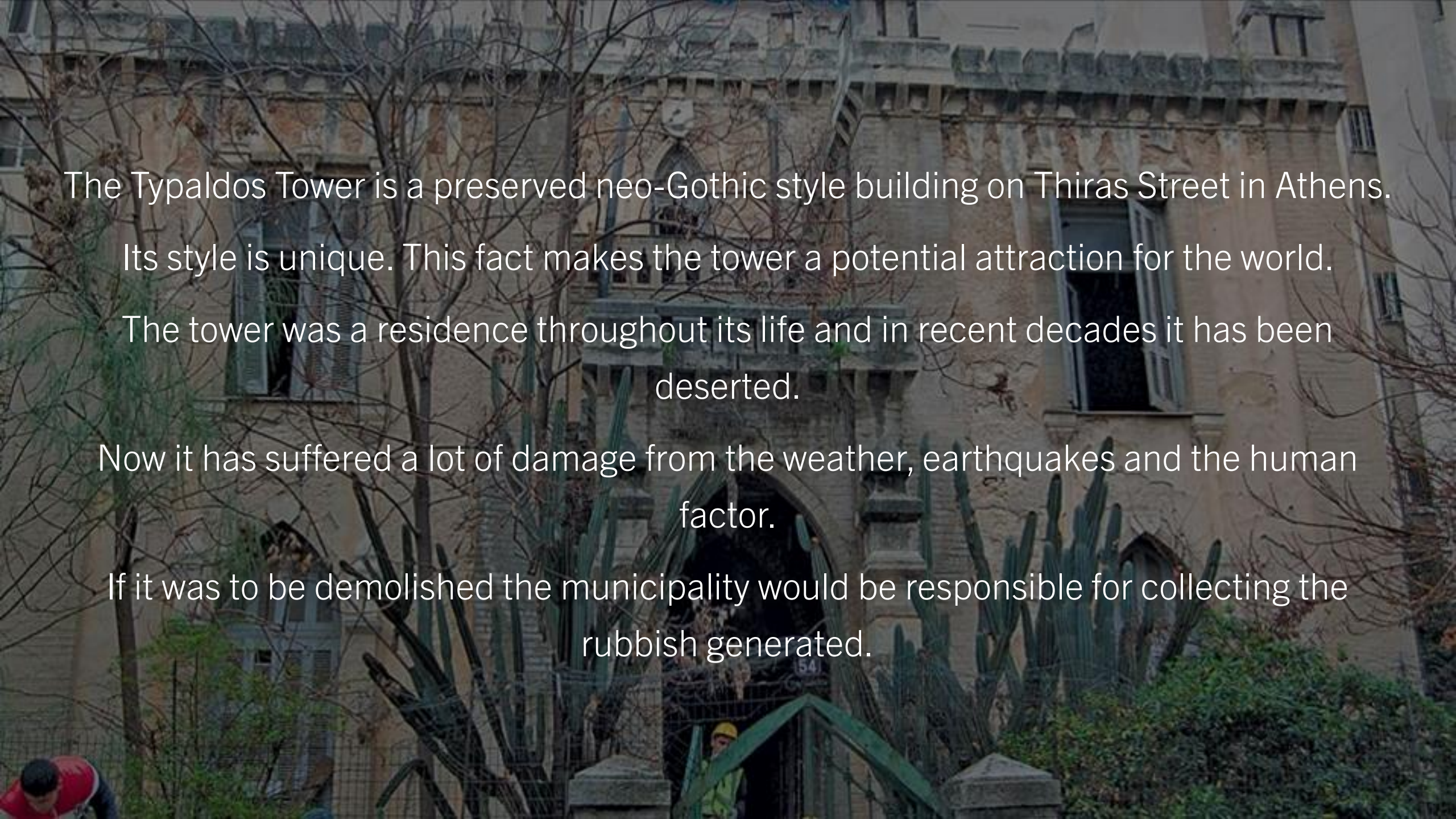
MEL ⟶ MEL is a maker of a variety of carton board from recycled material with sustainability.

Aeiforos ⟶ Aeiforos is into management, recycling, utilization of industrial waste and scrap metal products.

Va.ste.eco Evolution ⟶ Va.ste.eco Evolution is active in the field of collection, sorting, and management of waste like paper, plastic, wood, glass, etc.



TYPALDOS TOWER



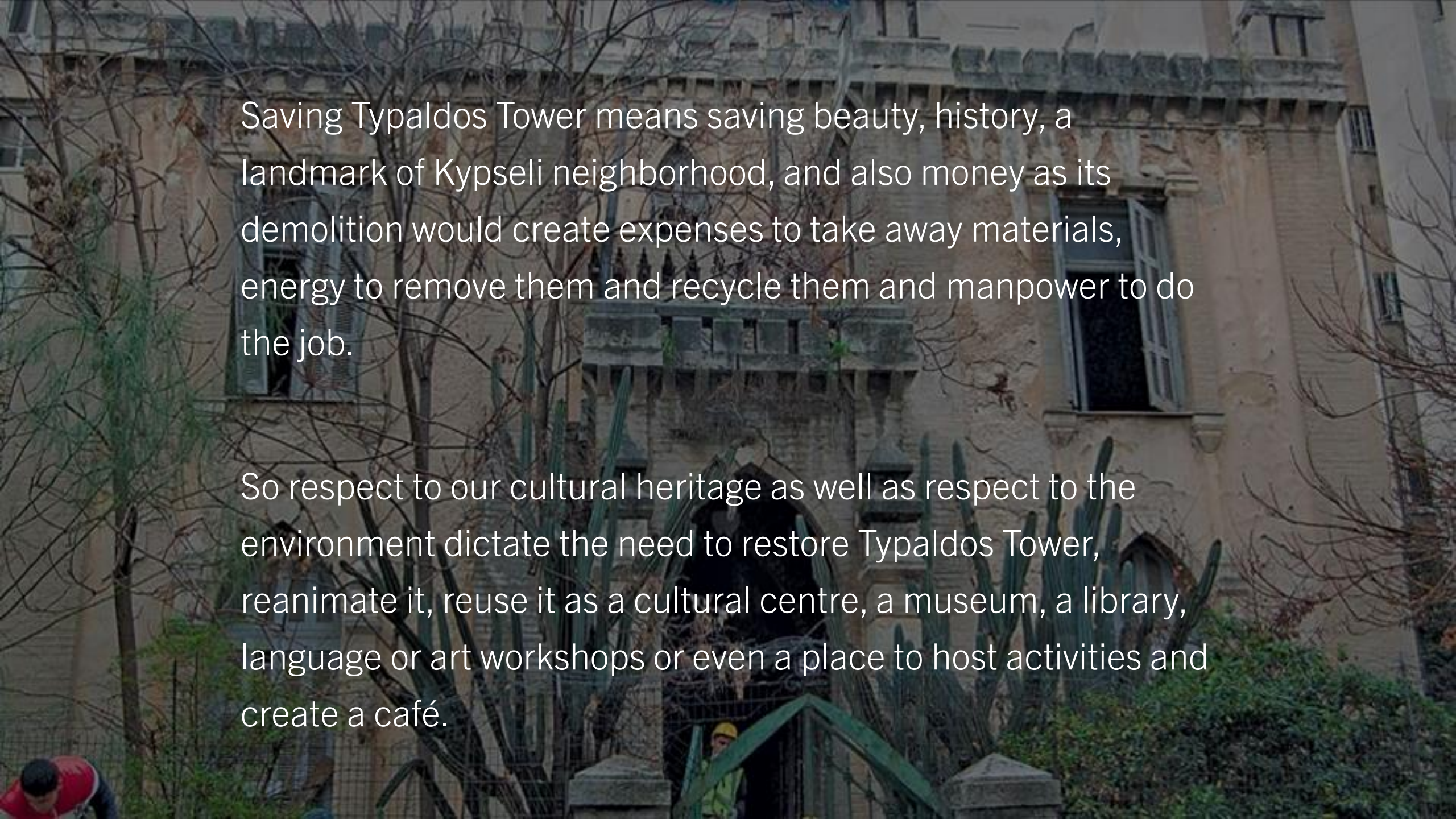
The Typaldos Tower is a preserved neo-Gothic style building on Thiras Street in Athens.

Its style is unique. This fact makes the tower a potential attraction for the world.

The tower was a residence throughout its life and in recent decades it has been deserted.

Now it has suffered a lot of damage from the weather, earthquakes and the human factor.

If it was to be demolished the municipality would be responsible for collecting the rubbish generated.



Saving Typaldos Tower means saving beauty, history, a landmark of Kypseli neighborhood, and also money as its demolition would create expenses to take away materials, energy to remove them and recycle them and manpower to do the job.

So respect to our cultural heritage as well as respect to the environment dictate the need to restore Typaldos Tower, reanimate it, reuse it as a cultural centre, a museum, a library, language or art workshops or even a place to host activities and create a café.

Thank you for the attention!!!

Sources

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