

BEYOND SUSTAINABILITY



Energy Efficiency in Buildings conference

05.04.2024

LEED in Greece

**290 registered projects (196 BD+C)
5.370.007 m² of buildings**

62 certified projects

(41 BD+C & 10 CI & 11 O+M)

<https://www.usgbc.org/projects>

First LEED certified building in Greece March 2013

KARELA OFFICE PARK



Address: Ikarou 1, Paiania - Attiki, Greece, 19002

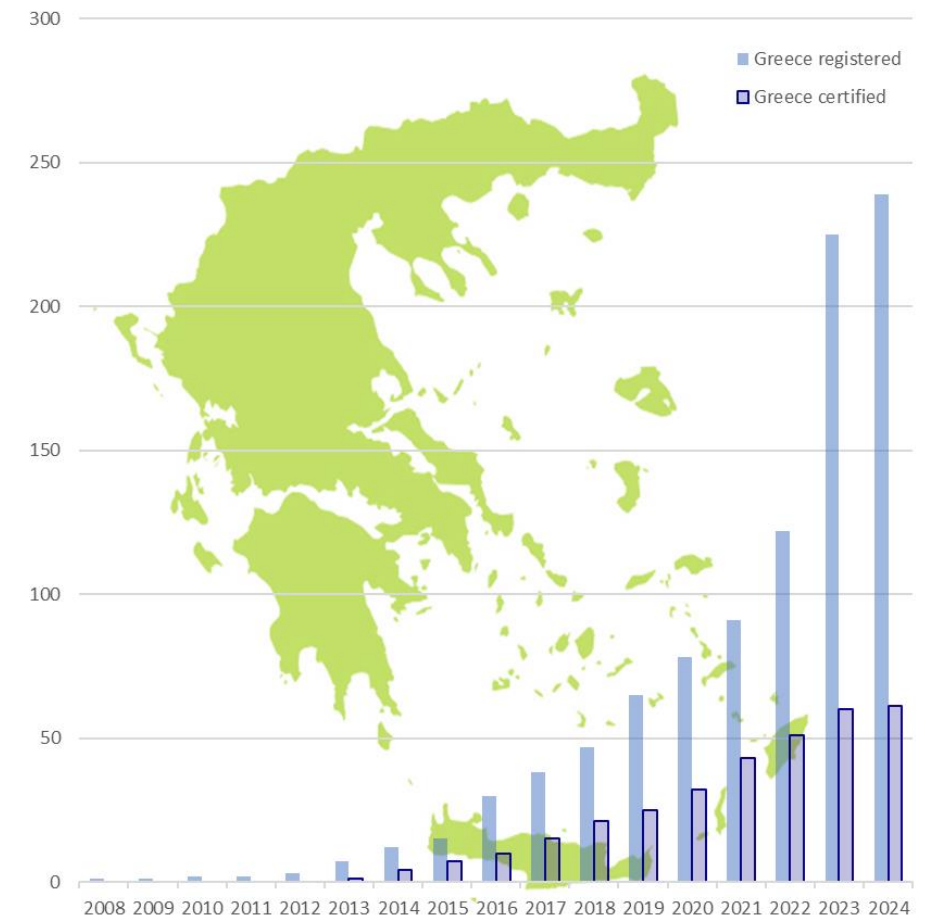
Rating system: LEED BD+C: New Construction - v3 - LEED 2009

Last certified on: March 05, 2013

Certification level: Gold

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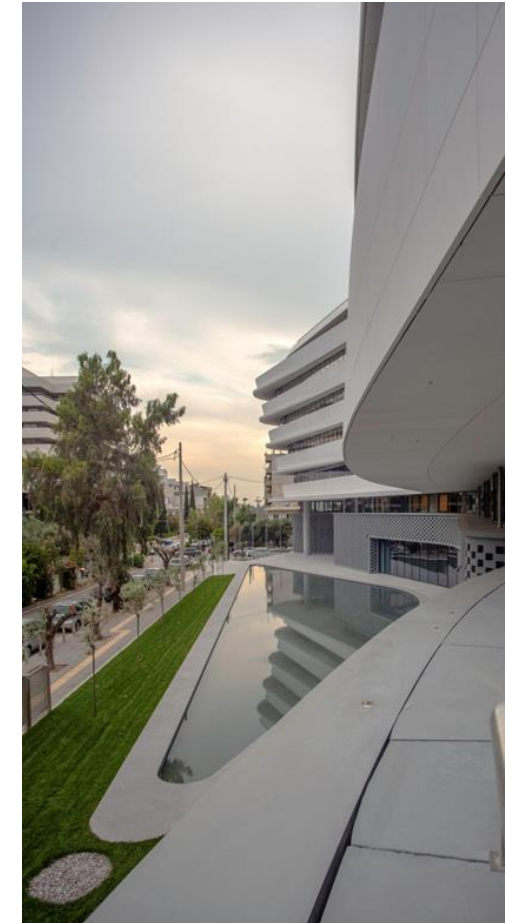


The best LEED buildings in Greece are platinum

New Construction or Major Renovation projects in Greece, that have reached LEED Platinum

1. Stavros Niarchos Found'n Cultural Centr (59 points)
2. HAEF Preschool and Kindergarten (83 points)
3. **AGEMAR SA NEW OFFICE COMPLEX (82 points)**
4. Artemidos 8 (82 points)
5. **Piraeus Port Plaza 3 - Building A & C (80 points)**
6. The Orbit (86 points)
7. The Element (82 points)
8. **Generali Hellas SA Headquarters (82 points)**
9. Bldgs for People with Disabilities A,B,C (81 points)

<https://www.usgbc.org/projects>



Agemar SA New Office Complex

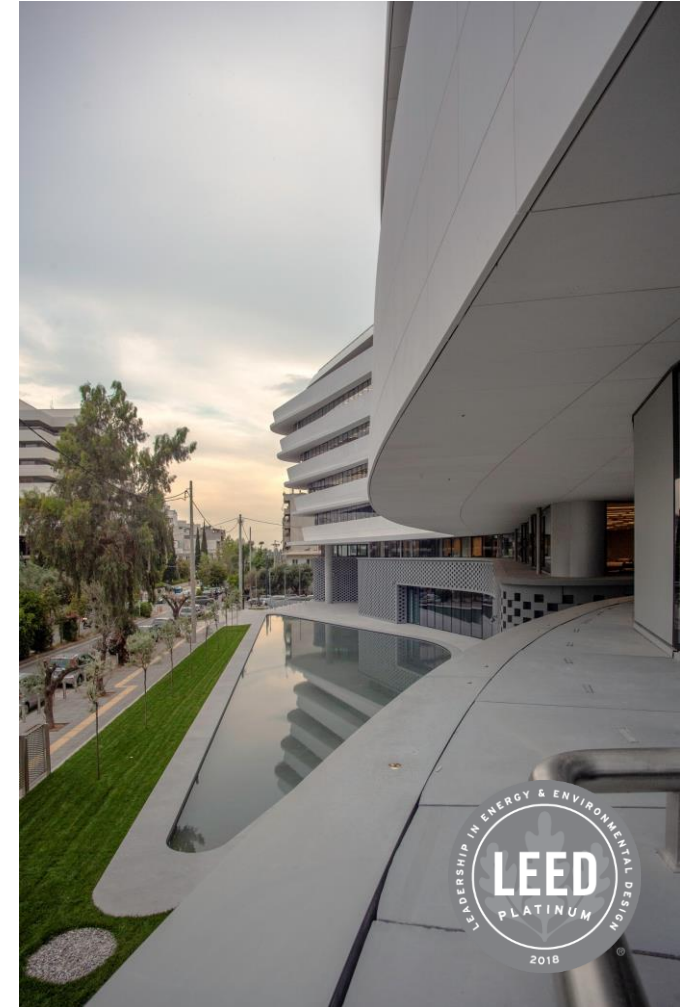
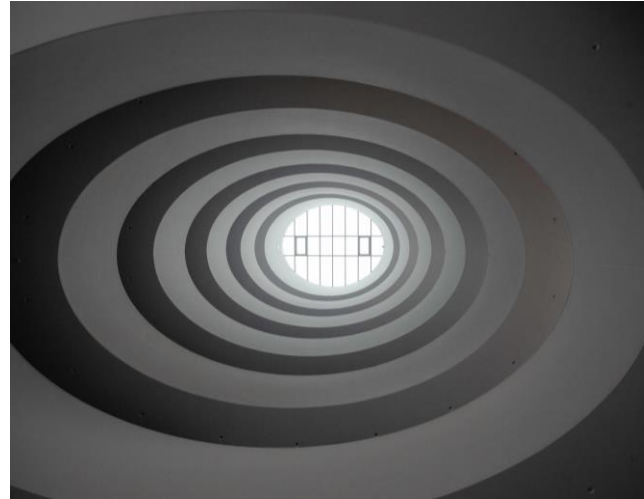
LEED **Platinum** certified in August 2018

The design was inspired by the notion of a trip to the sea. A flexible non-finite form that gives the impression that moves through a fluid, through water or air.

The complex consists of two buildings the main 8-storey and the secondary 3-storey that will accommodate 3 shipping companies with their supporting facilities such as Amphitheater, Restaurant, Simulators, Training area, Gym located in the above ground stories and the first basement and additional 3 stories of underground Parking Space.

The exterior areas are covered with low and medium vegetation and water surfaces that help to minimize the consumption of energy used for air conditioning and improve the microclimate.

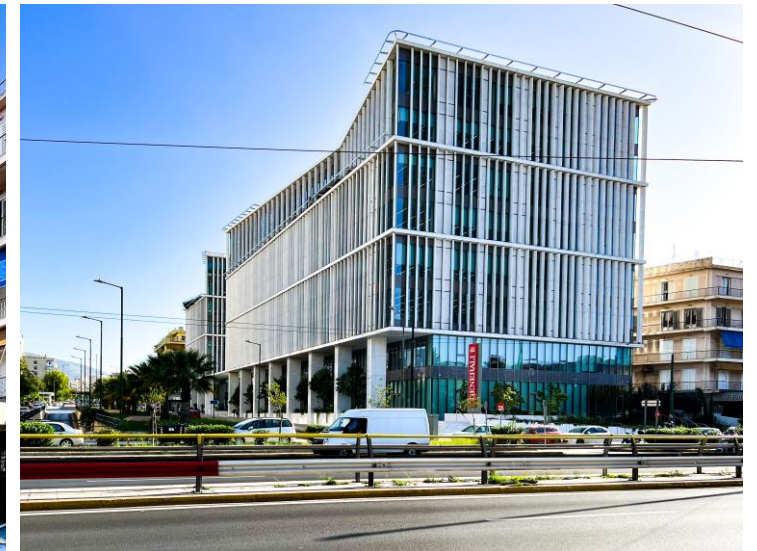
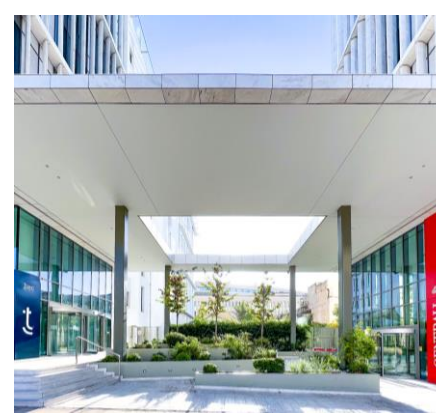
The project uses geothermal energy with high efficient heat pumps. A main design decision was using a large portion of locally resource materials, which on one hand has a positive influence on the environment resulting from shorter routes of transportation and on the other hand help the local economy.



Generali Headquarters

LEED **Platinum** certified in March 2023

The project is a multi-storey office building in the city of Athens in Greece. Main parameters of the design were the efficient use of energy, water, and other resources. The green roof adds reduces the air intake temperature in summer, saving energy and avoiding the urban heat island effect. The irrigation system uses rainwater and air-conditioning condensate, in addition Mediterranean plants which require less water, have been chosen. The green areas of the plot provide biodiversity and habitat to local fauna, which has a special provision for plants that attract bees. The building features an innovative air conditioning system, with fan coils, thereby reducing the environmental impact of the refrigerants. The system uses for the first time in Europe the specific equipment that allows for evaporative cooling with water sprayed on the heat exchanger, to maximize energy efficiency in high summer temperatures. In order to avoid the use of potable water, the process relies on air conditioning condensate, which is gathered at the same time, from the interior of the building. A seven m3 tank provides for the storage of sufficient water."



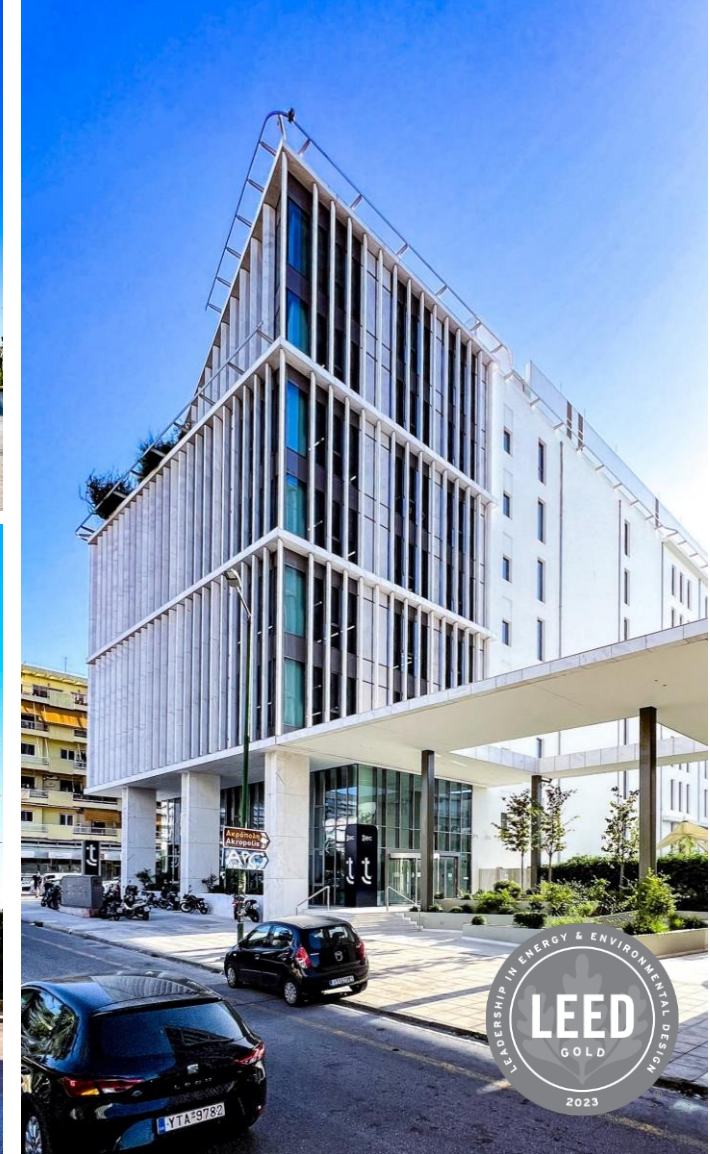
Syggrou Office Complex - Building B

LEED Gold certified in September 2023

The project is a multi-storey office building in the city of Athens in Greece. It is located on a plot that is served by a major high speed avenue and a variety of bus lines. The tram and metro station are at a walking distance. A double height colonnade is introduced at ground floor level to connect the main entrance to the surrounding streets. The colonnade provides shading and cover when walking towards the entrances of the two buildings. The building has a four-storey basement that is used for parking space, MEP areas and storage.

Main parameters of the design were the efficient use of energy, water, and other resources. To avoid pollution and waste and choosing materials with criteria to be toxic, sustainable and including recycled content.

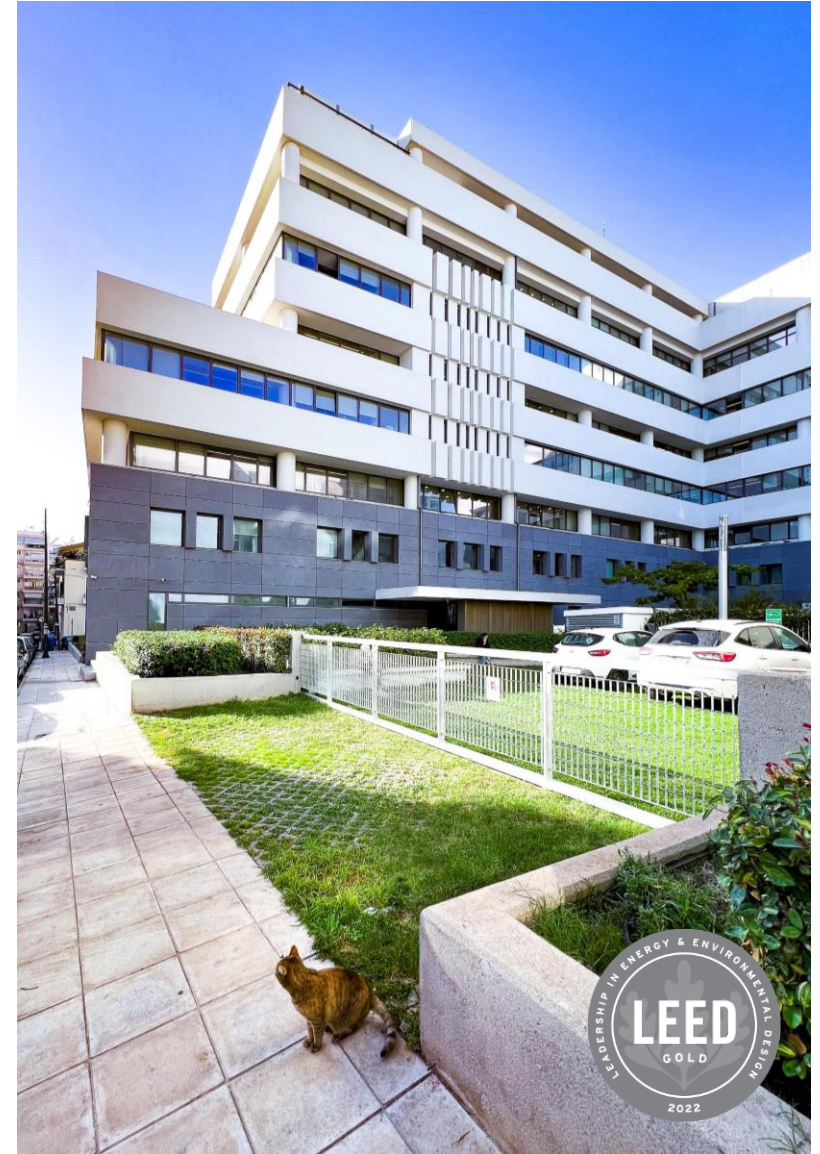
Indoor environmental quality, was of high concern during both design and construction of the building. It has been designed to deliver more than 30% additional fresh air into the regularly occupied areas, than required by regulations, including daylight and views and healthy materials. Clean air is obtained from the building roof, additionally filtered with G4 and F7 filters.



Value S.A. - Office Building

LEED Gold certified in June 2022

The project concerns the revival of the historical building of the Eleftherotypia newspaper at N. Kosmos, the modernization of the building's exterior spaces and the renovation of its interior spaces. The open space of the building is redesigned in order to organize circulation and connect uses, promoting outdoor activities and social interaction. Materials specified for open spaces and terraces have high reflectance or are vegetated areas, to reduce the urban heat island effect. An extensive planted roof is provided on the ground floor open space utilizing indigenous plants, with low irrigation needs. In addition, the new fixtures and fittings with reduced water consumption have been installed. The project improves the energy performance of the existing building. The construction retains the load-bearing structure and by this reduces the carbon footprint of the redevelopment. The building is taking advantage of the natural light and uses daylight sensors for light control.



A new version of LEED is coming...

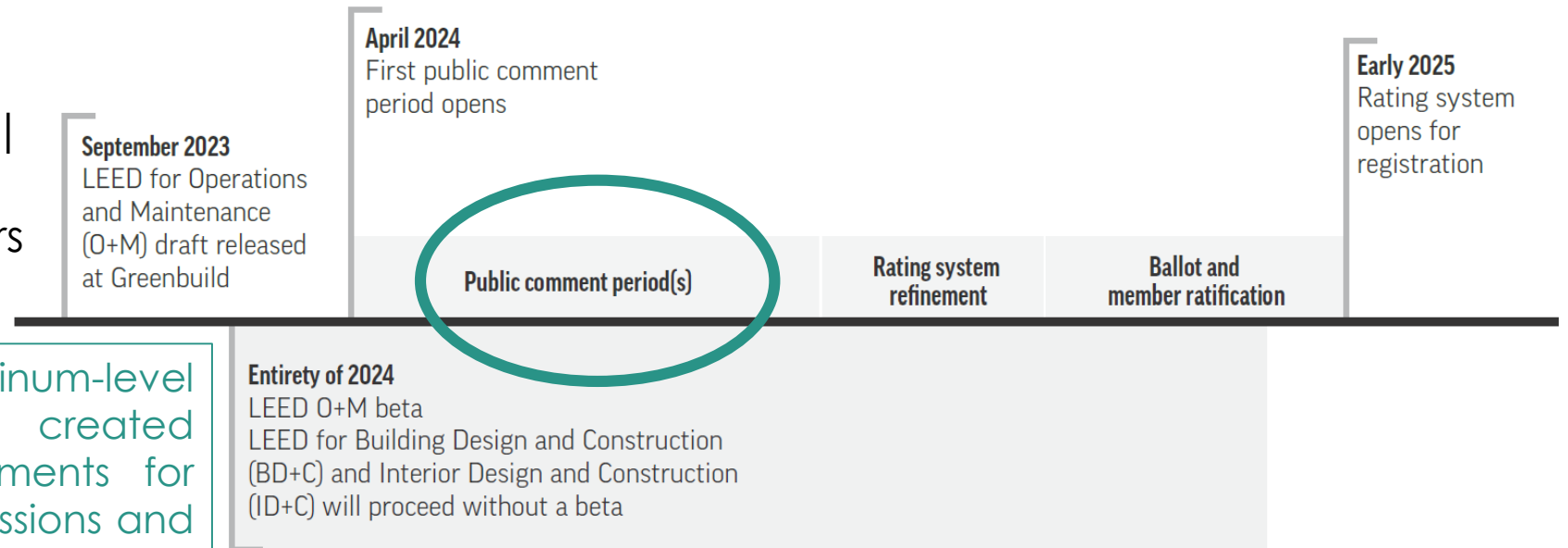
<https://www.usgbc.org/leed/v5>

Drafts of the rating systems below have been published, and **public comment period is open as of April 3, 2024.**

These drafts include:

- BD+C: New Construction | Core and Shell
- ID+C: Commercial Interiors
- O+M: Existing Buildings

New requirements for Platinum-level certification have been created addressing minimum requirements for energy efficiency, carbon emissions and renewable energy use.



LEED V5

Public comment period

LEED v5 public comment

The first LEED v5 public comment period will be open from April 3—May 20, 2024.

During the public comment feedback periods, we seek all stakeholders' input—there are no restrictions on who may view the changes and provide feedback. This input will be incorporated as we refine the drafts into what will be the newest version of LEED.

[Learn more about public comment.](#)

LEED v5 has been developed around three central areas of impact:

- **Decarbonization**
- **Quality of life**
- **Ecological conservation and restoration**

1 Read the rating system drafts

Credit library

[LEED BD+C: New Construction](#)

[LEED BD+C: Core and Shell](#)

[LEED ID+C: Commercial](#)

[interiors](#)

[LEED O+M: Existing Buildings](#)

PDFs

[LEED BD+C: New Construction](#)

[LEED BD+C: Core and Shell](#)

[LEED ID+C: Commercial](#)

[interiors](#)

[LEED O+M: Existing Buildings](#)

Additional tools

[First public comment companion guide](#)

[Frequently Asked Questions](#)

2 Submit your comments

There are two pathways to sharing feedback:

1. LEED credit library:

- In the LEED credit library, select "v5 - Public Comment 1" in the list of versions, then select the rating system.
- Select a credit to review.
- Each credit has a Comment button that opens a box for feedback. You will need to sign in to your usgbc.org account to submit your comment.

2. LEEDuser v5 Public Comment Forums:

- Participate in one of the [LEED v5 Public Comment Forums](#) by posting comments or responding to others' ideas.

BEYOND SUSTAINABILITY

**Thank you for
your attention !**

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Contact

9, Platonos Street - 18344 Moschato - info@beyondsustainability.gr