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ANAKEM
PANHELLENIC ECD WASTE RECYCLING SYSTEM

Green & Sustainable Buildings:

Exploring Cooperation & know-how exchange between Greece & Arab countries in the Building Materials Industry

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We put **rubble**
where it **belongs!**



EC&D Waste management in Europe

Situation in Europe | Framework on recycling EC&D Waste



European Waste Strategy:

EC&D Waste set as priority waste - EIONET 2013



European Committee for EC&D Waste management – E.C. 2016:

Wide use of unbound recycled aggregates in infrastructure works
or for environmental remediations or for producing low quality concrete mixtures



European Green Deal:

Setting demands for improving the secondary materials market by obligatory use of recycled unbound aggregates in technical works



EC&D Waste management in Greece

Situation in Greece | The Issue of EC&D Waste



**50.000.000 tns of EC&D
Waste historical backlog**

**15.000.000 tns of EC&D
Waste produced annually**



**50% EC&D Waste recycling
rate**



Situation in Greece | Legal Framework

Law 2939/2001

introduced the institutional framework for waste management in general, aiming at the alternative management and recycling of specific wastes.

Directive 2008/98/EC

on waste, which is the central pillar of European waste management policy.

Common Ministerial Decision 36259/1757/E103/2010

is an important decision for the management of Excavation, Construction and Demolition Waste (AECW) in Greece.

Law 4819/2021

introduced amendments to the legal framework, incorporating new European Directives, such as Directive 2018/851/EU. Together with EIA 36259, they are now the main legislative framework for LCW!



Situation in Greece | Framework on recycling EC&D Waste

Alternative C&D Waste management

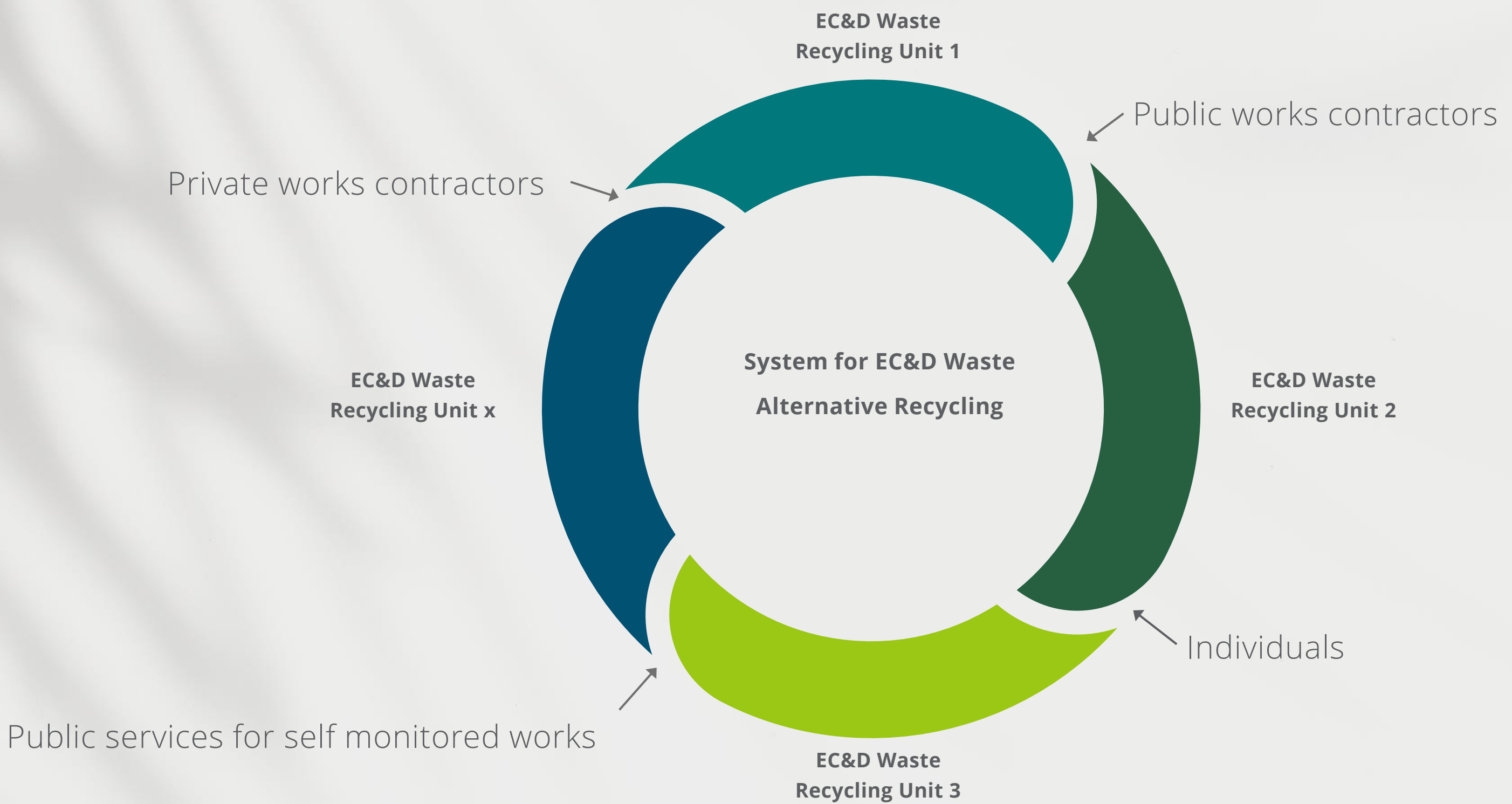
"The collection, transport, temporary storage, reuse, processing and recovery of EC&D Waste, so that after their reuse or recovery they return to the current market or are promoted for other uses"

System for Alternative EC&D Waste management

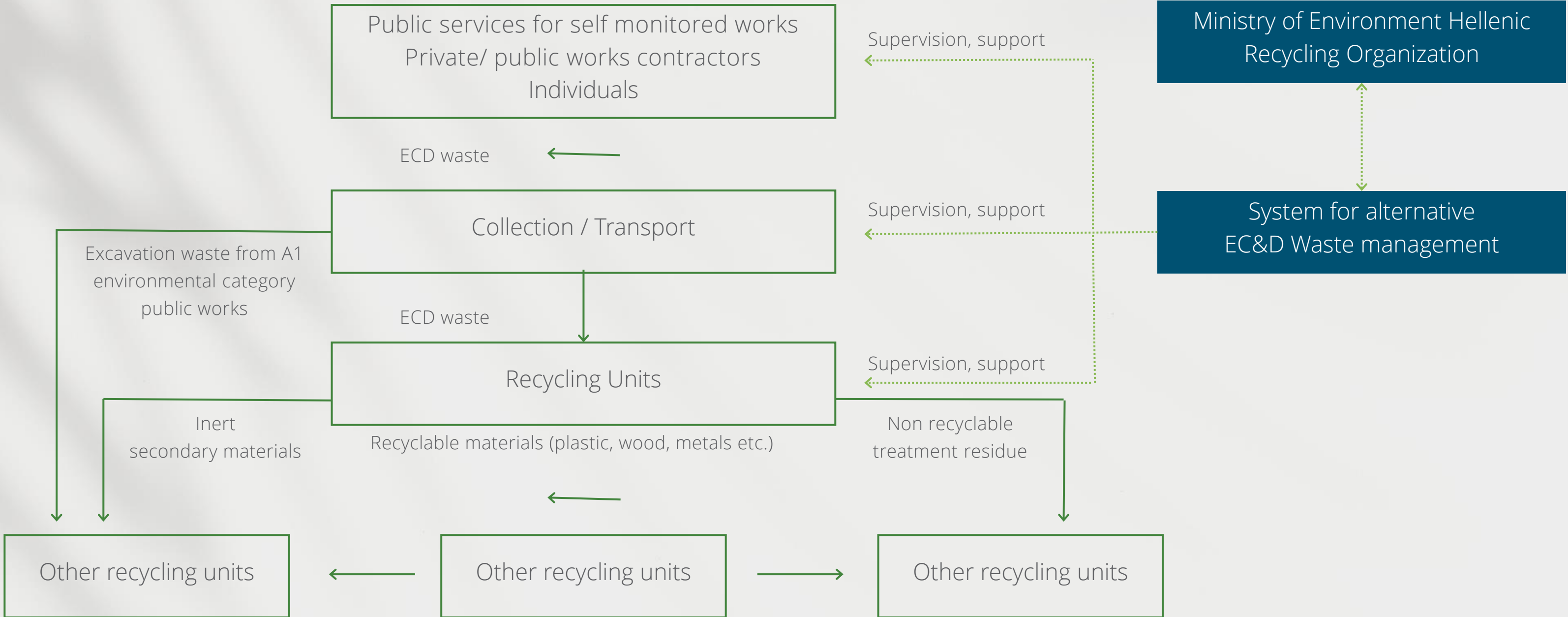
- Any form of company with the **sole purpose** the organization of EC&D Waste management
- **Holders:** C&D Waste Management Companies, Constructors, Municipalities
- Its approval is **valid for 5 years** and can be renewed by modifying or revising the business plans. necessary law provisions and regulatory framework for the operation of the Alternative System
- Charged **as high as mixture percentage**



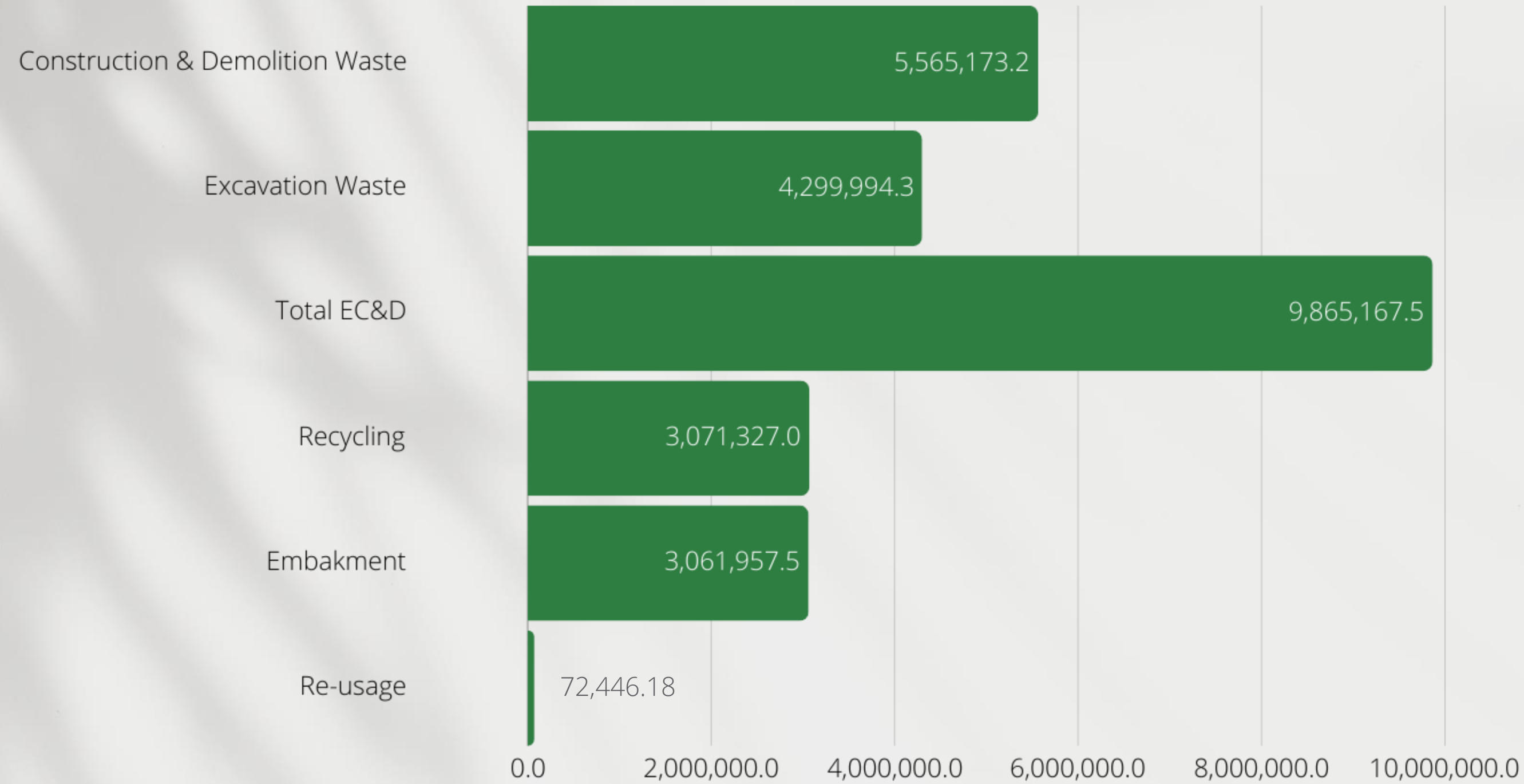
Situation in Greece | Collective System of Alternative Management of EC&D Waste



Situation in Greece | Procedure for EC&D Waste Alternative Management



Situation in Greece | Annual Incoming - Outgoing quantities of EC&D Waste in RUs in 2022



Total No. of Collective Systems of Alternative Management: 11

Geographical Coverage: 90%

Source:
Hellenic Recycling Agency
(www.eoan.gr)





ANAKEM S.A. Footprint

ANAKEM S.A. | Geographical coverage in Greece



13 / 13 Greek Regions

63 / Regional Units in Greece

85% coverage of Greece

>200 cooperating Recycling Units (RUs)

ANAKEM cooperating RU **every 18km**



ANAKEM S.A. | Participation in Iconic Projects



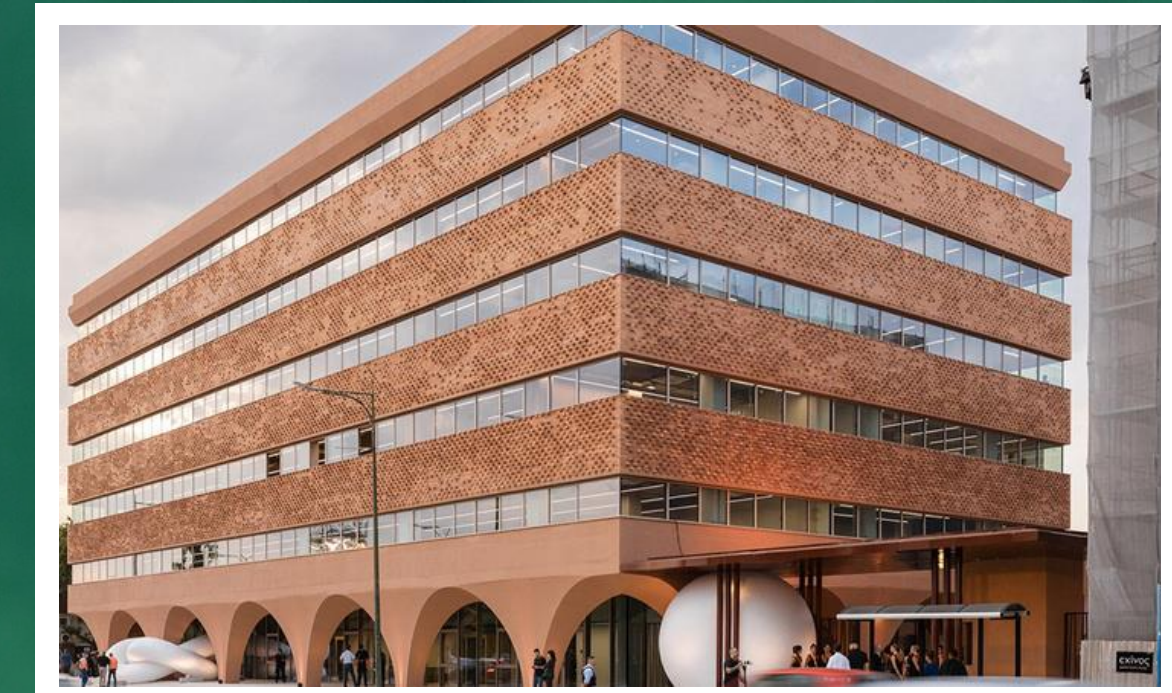
**Fly Over,
Highway Thessaloniki**



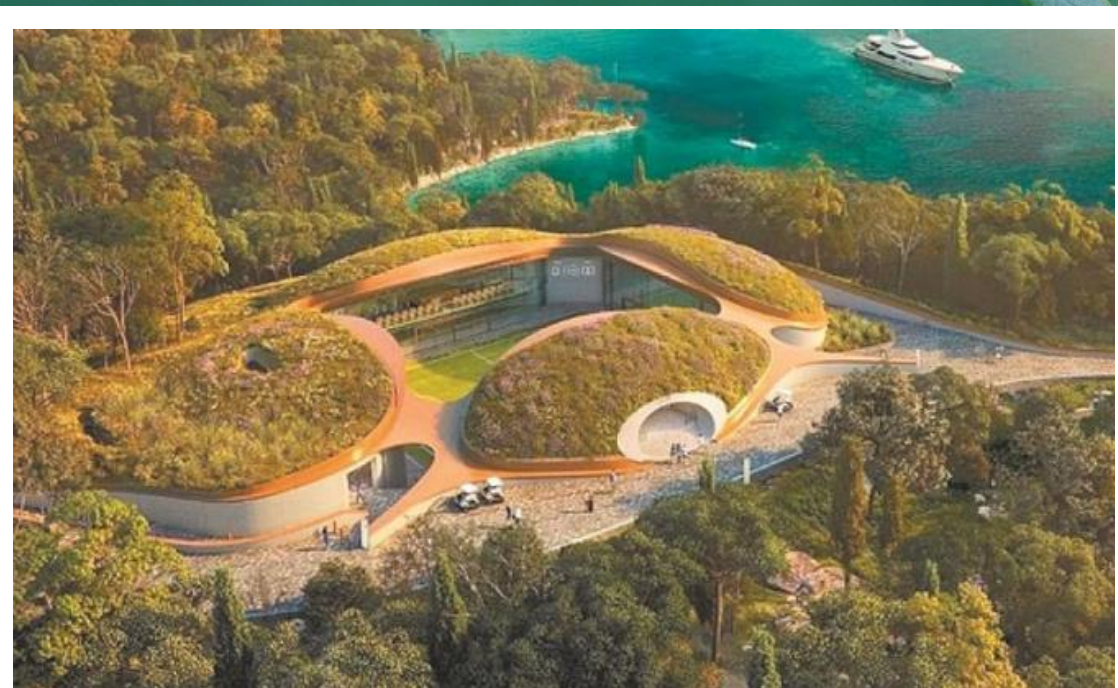
**Univesity Pediatric Hospital of
Thessaloniki, Stavros Niarchos Foundation**



**Hub 26,
Thessaloniki Office Complex**



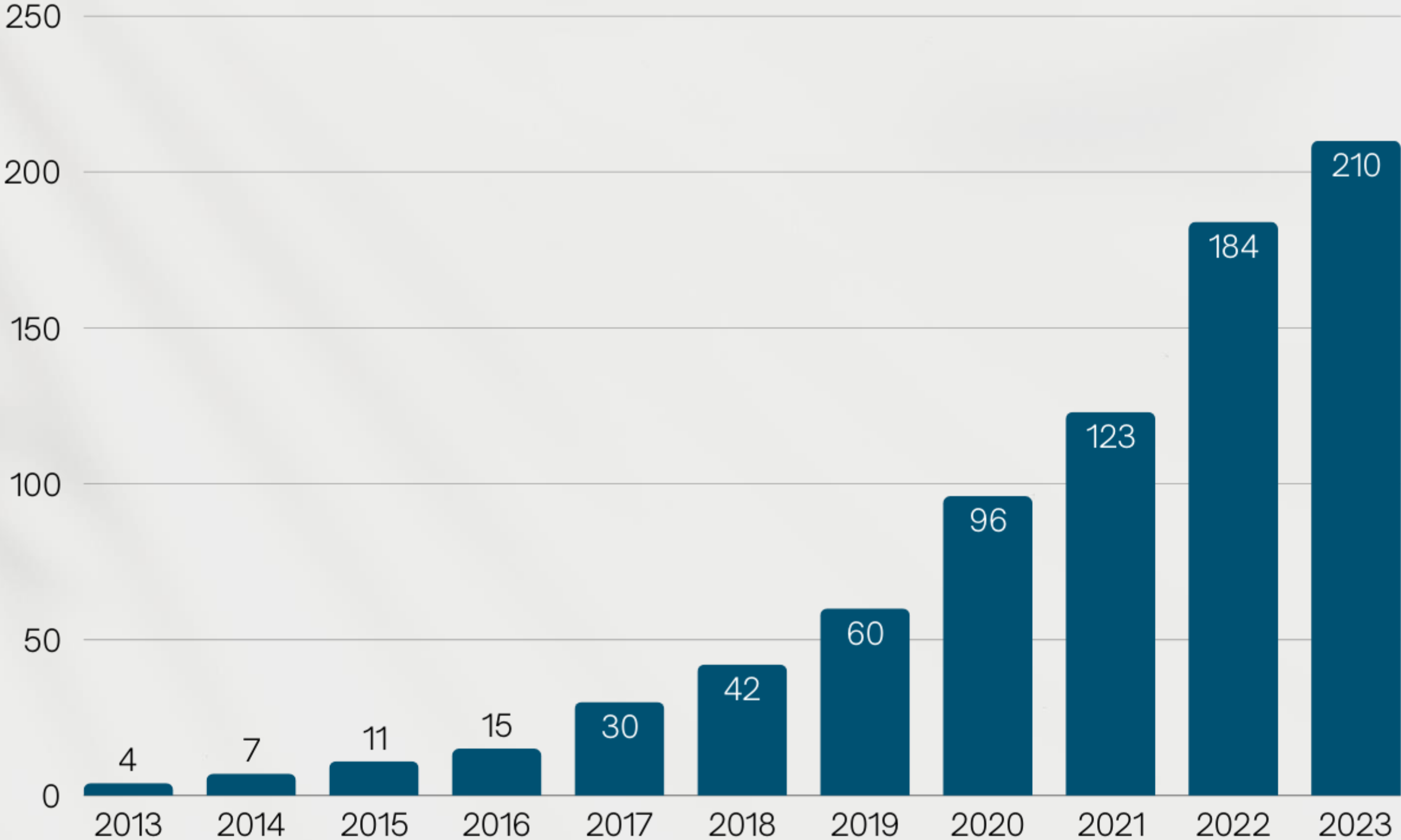
Tourism Infastructure - Scorpis Island



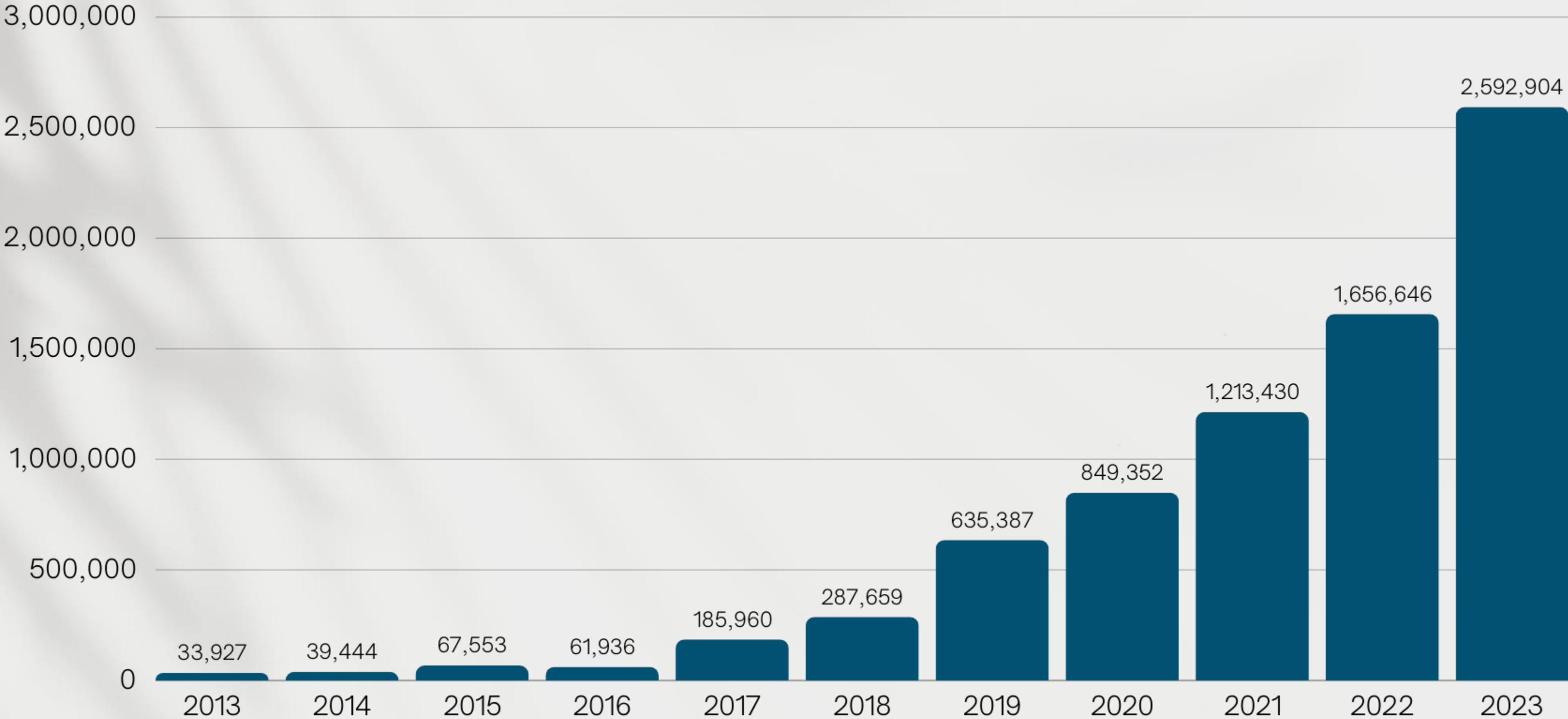
“The Ellinikon” Redevelopment, Attica



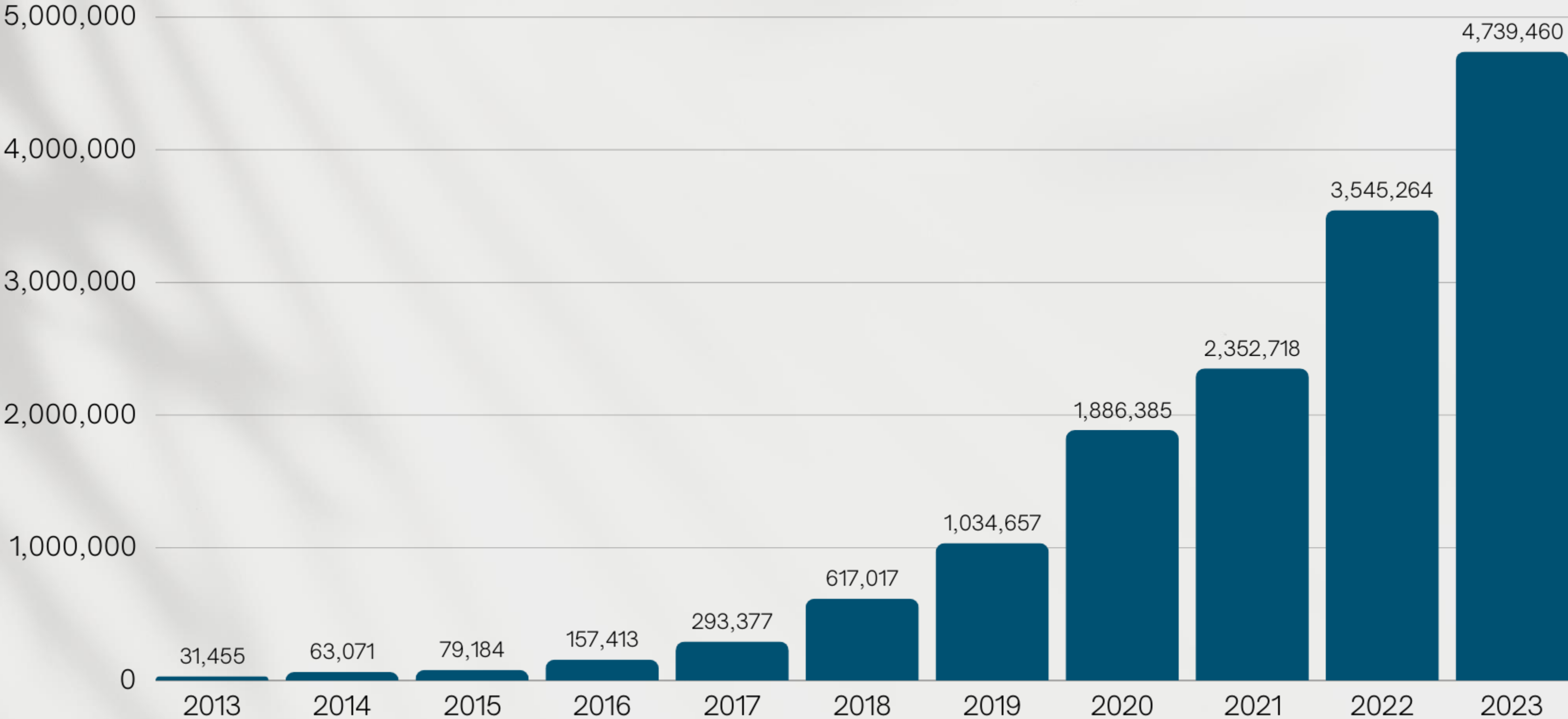
ANAKEM S.A. | Total number of Cooperating RUs



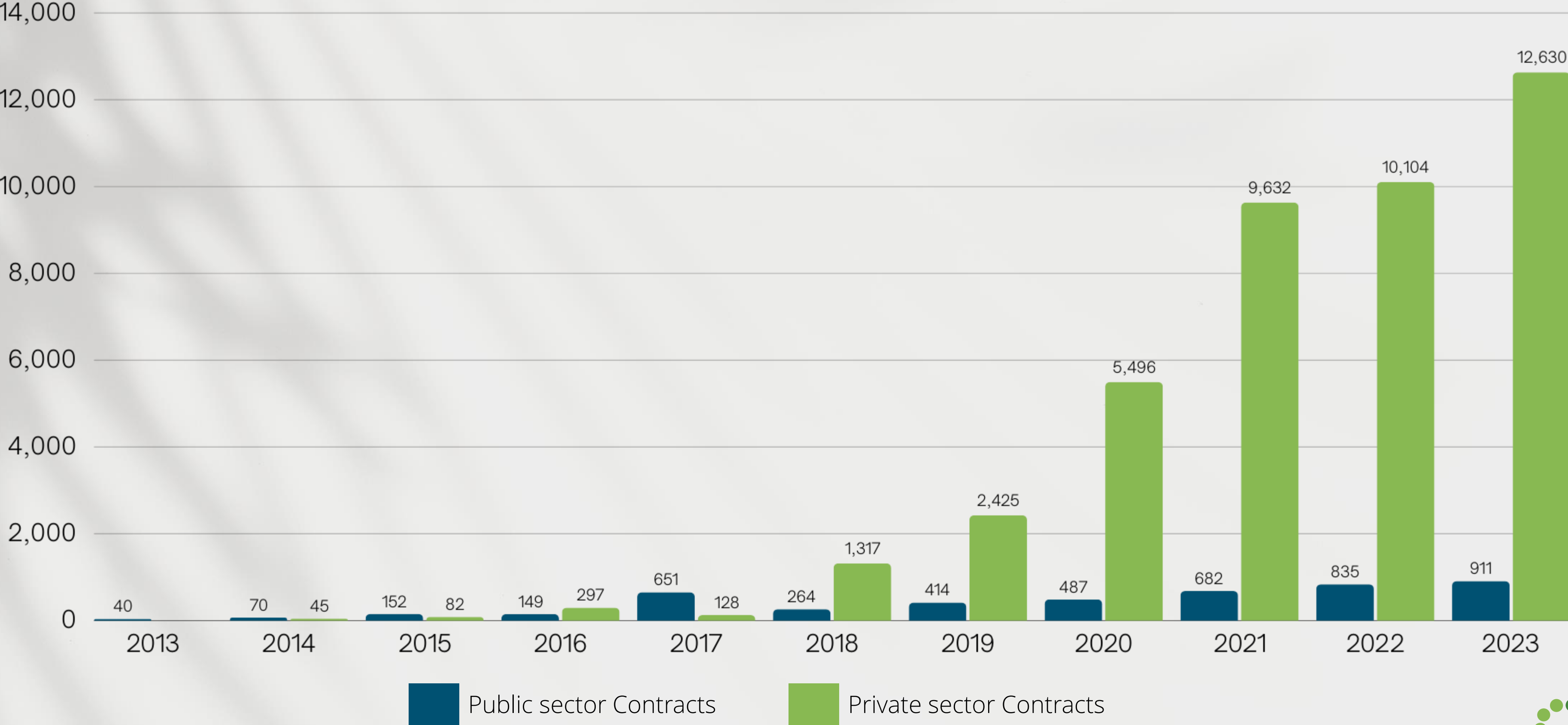
ANAKEM S.A. | Provision of Secondary Products (tn)



ANAKEM S.A. | Total quantities of EC&D Waste management (tn)



ANAKEM S.A. | Contracts with liable EC&D Waste managers





**Benefits of EC&D
Waste management
and Key Areas of
potential collaboration**

Benefits of Recycling EC&D Waste



Environmental Protection and Waste Reduction

Recycling ECD (Excavation, Construction & Demolition) waste reduces waste volume, limiting pollution and protecting natural resources and regional landscapes.

Conservation of Natural Resources

Reusing materials from ECD waste decreases the need for extracting new raw materials, helping to preserve valuable natural resources.



Enhanced Quality of Construction and Infrastructure

Recycled ECD materials can be used for high-quality infrastructure projects, providing durability and contributing to sustainable urban development.

Job Creation and Skill Development

Recycling activities require specialized personnel, boosting local employment.



Economic Benefits and Cost Reduction

Using recycled materials lowers construction costs and supports more economically sustainable projects, making them affordable and environmentally friendly.



Key Areas of Potential Collaboration



ANAKEM can participate in working meetings with MENA representatives to draft a C&D Waste Management Plan



Strategic consulting for the successful implementation of the plan



Advisory services for designing and operating a network of C&D waste recycling plants



Technology and innovation exchange (recycling, reusing C&D Waste)



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**Thank you for
your attention!**

