

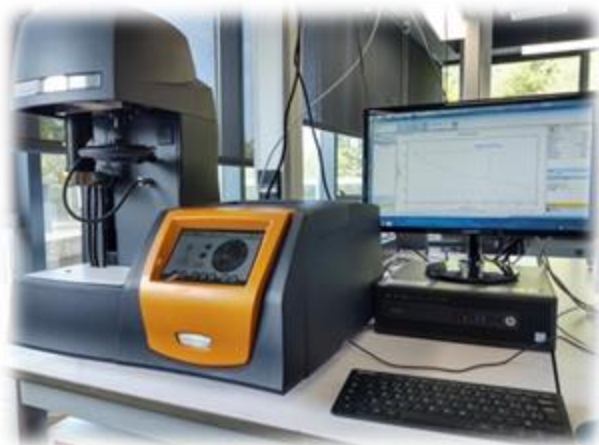
# KIVOGO

**Oportunidades de financiación a la colaboración internacional en  
I+D+i: ALIMENTACIÓN, BIOECONOMÍA, RECURSOS NATURALES,  
AGRICULTURA Y MEDIOAMBIENTE Y CLIMA**

Beatriz Alonso-R&D Manager

Just positive  
Impact additives

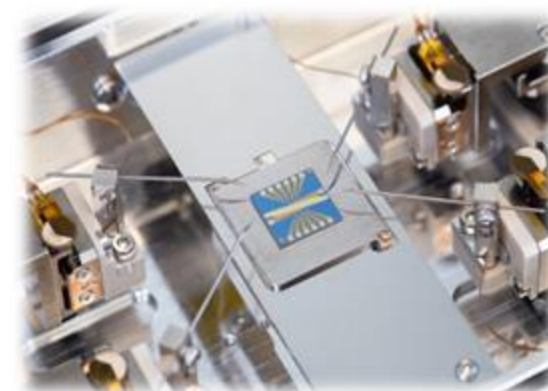
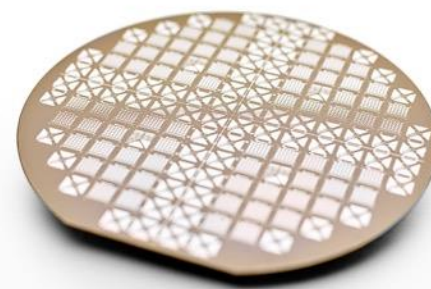
Diciembre 2025



Amat



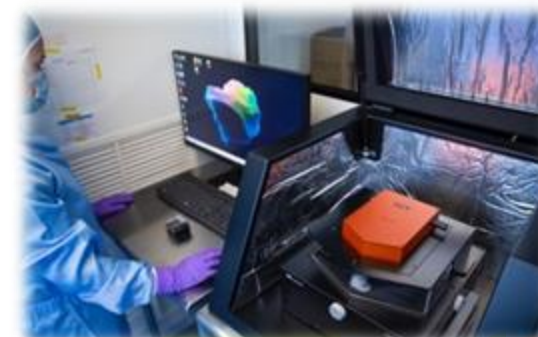
Semiconductor



Chemical Exfoliation  
technology  
c. 30% of the revenues

Chemical Vapour  
Deposition technology  
c. 70% of the revenues

K



15 years of expertise in Graphene



Business  
office (US)

Headquarters  
(Spain)

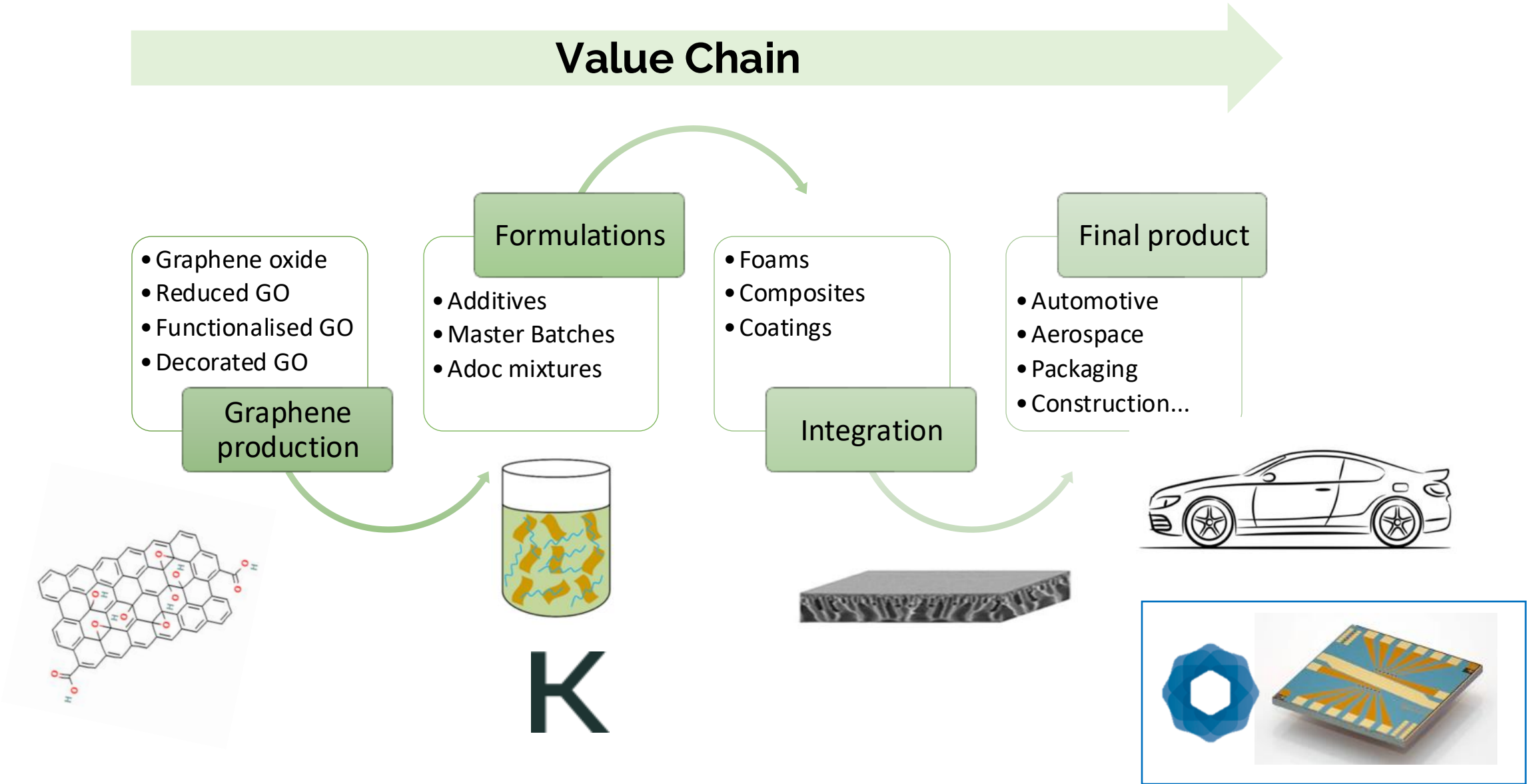


- Founded April 2010

⬡ Graphenea site

⬢ Official distributor site

Just positive  
Impact additives



# Key factors

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KIVOГО



11 Staff



> 60 Collaborators in 2024



14 EU funded projects  
20 National & Regional funded projects



>15 years of R&D



3 Patents

19 Publications

More than 500 publications with our Graphene oxide



## Asphalt



- Increase Fatigue resistance
- Improve rutting properties
- Good for high traffic roads

## Concrete



- Increase in the expected life of concrete by 50%
- Improved resistance to harsh environments
- Improved mechanical performance.

## Filtration



- Reduction of 50% energy consumption by substituting evaporation with membranes for hard environments

## Packaging



- Heat transfer additive
- **Increase in recycled materials performance and efficiency** of the production plants reducing unit costs and CO2 emissions per metric ton.

**EP4028482B1 Patente concedida 22 Países**

TRL5

TRL7

TRL9

Industrial

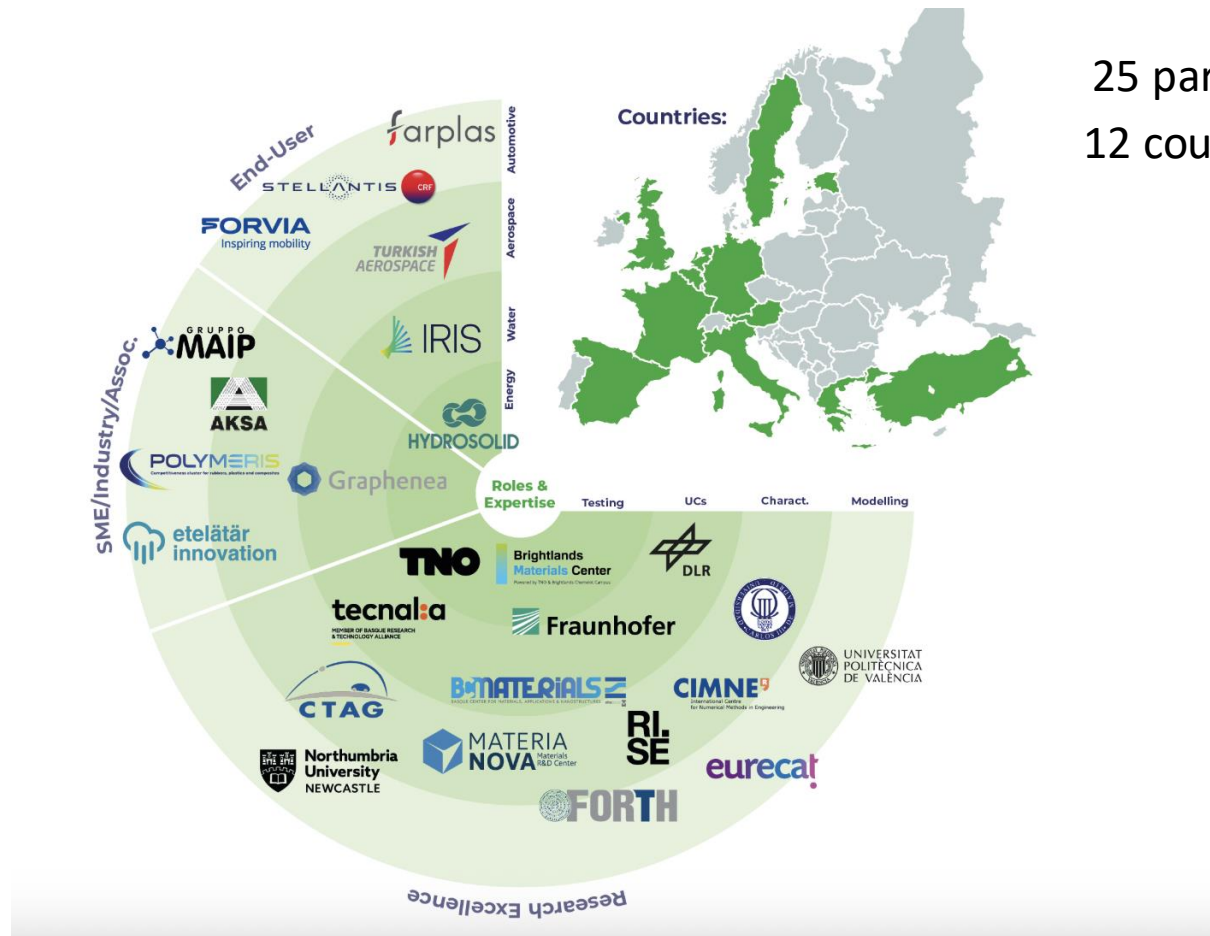
## Bio-based Materials and composites



- **Coordinator:** FORTH – Foundation for research and technology-Hellas/ **Greece**
- **Beginning of the project:** October 1st, 2024
- **Project Duration:** 36 months (3 years)
- **End of Project:** September 2027
- **Total Grant Amount:** € 8 345 472,50
- **EU Contribution:** € 7 017 866,00
- **Call:** HORIZON-JU-CBE-2023-IA-07
- **Type of actions:** Horizon-JU-IA

CBE IA: 60% grant (Horizon usually 70%)  
Need to be BIC Consortium Member  
(once the project is granted)





25 partners  
12 countries

Industry driven  
project



End Users

Industry perspective

Industry needs



## 6 Use Cases



H<sub>2</sub> storage tank



High-pressure tanks for reverse osmosis

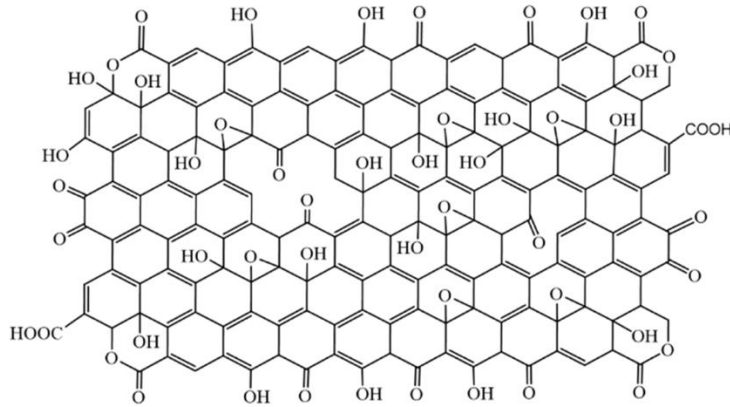


Lightening of structural Parts (aeronautics and automotive)

## 95% BIO BASED COMPOSITES

WP	Work Package Title
WP1	Technical and Environmental Sustainability Performance Requirements
WP2	Circular Design for Sustainability
WP3	Sustainable Material Development, Optimization, and Upscaling
WP4	Innovations on Manufacturing Processes and Scalability
WP5	Prototyping and Industrial Feasibility
WP6	Testing, Validation, and Assessment
WP7	Life-Cycle, End-of-Life, and Sustainability Assessment
WP8	Dissemination, Exploitation and Communications
WP9	Management

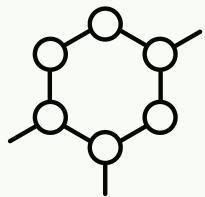
Graphene oxide



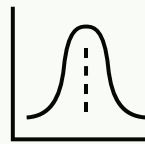
## GRAPHENE's ROLE

Use of GO (< 1 wt%) to enhance properties of the Biopolymers

Very versatile



Adaptation of %O  
Functionalisation  
Decoration



Flake size



Formulations



Mechanical



Barrier



Thermal



The incorporation  
of the material in  
the polymer is  
crucial

PA, PLA, PHA  
BIOBASED

## EU FUNDED PROJCECTS

Funding

Networking



Commitment

Meetings

Innovation

Justification

Exploring new applications  
TRL increasing



POTENTIAL



# Moving forward



Company	Product	Types of collaboration
<ul style="list-style-type: none"><li>• Expertise in Nanomaterials</li><li>• Highly experienced Production and R&amp;D teams</li><li>• Potential to improve and expand product offerings</li><li>• Net Carbon Zero Company</li></ul>	<ul style="list-style-type: none"><li>• Graphene oxide-based products</li><li>• Adaptation to the application</li><li>• Scalability</li><li>• Quality</li></ul>	<ul style="list-style-type: none"><li>• High expertise in Founded projects</li><li>• R&amp;D compatibility with your products</li><li>• Addition into your formulations</li><li>• Supplier agreement</li><li>• Joint developments</li></ul>

Contact us!





# KIVORO

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[b.alonso@graphenea.com](mailto:b.alonso@graphenea.com)

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Let's go science!