

## Nanoinnova Technologies S.L.



Graphene application developer & graphene producer

**Main activity:** Producer of chemically modified graphene nanoplatelets under the brand GRAPHENIT. The chemical modification allows a better dispersion in several matrices (epoxy, water based formulations, etc.) and the tuning of the primary graphene properties. GRAPHENIT is marketed in masterbatch format for a rapid incorporation to the industrial process avoiding powder manipulation. Anticorrosion coating, fiber reinforced composite mechanical reinforcement, concrete durability improvement and additive in rubber are the main application markets of GRAPHENIT

**% Activity in graphene (R&D):** 80%

**Created in:** June 2010

**Web:** [www.nanoinnova.com](http://www.nanoinnova.com)

**Contact person:** Rafael Ferritto

**Email:** [rafa@nanoinnova.com](mailto:rafa@nanoinnova.com)

## Nanoquimia S.L.



Graphene supplier, graphene application developer and graphene based products producer

**Main activity:** carbon based nanomaterials (carbon aerogels and xerogels, graphene composites, carbon aerogel composites) and metal nanoparticles. R&D in carbon nanomaterials applications

**% Activity in graphene (R&D):** 20%

**No. of patents:** 1

**No. of employees:** 3

**Created in:** 2005

**Web:** [www.nanoquimia.com](http://www.nanoquimia.com)

**Contact person:** Carlos Macías

**Email:** [carlosmacias@nanoquimia.com](mailto:carlosmacias@nanoquimia.com)

## Nanotecnologia Spain S.L.



Nanocoatings developer

**Main activity:** Research & development of nanocoatings for industry

**% Activity in graphene (R&D):** 20%

**No. of employees:** 5

**Created in:** 2004

**Web:** [www.nanopaint.technology](http://www.nanopaint.technology)

**Contact person:** Adam Prats

**Email:** [adam@nanopinturas.com](mailto:adam@nanopinturas.com)

## Plasma Advances S.L.



Graphene producer

**Main activity:** graphene production, plasma devices fabrication, surface modification studies, advanced services in material characterization

**% Activity in graphene (R&D):** 70%

**No. of patents:** 3

**No. of employees:** 5

**Created in:** 2014

**Web:** [www.plasmadvances.com](http://www.plasmadvances.com)

**Contact person:** Carlos Macías

**Email:** [carlosmacias@plasmadvances.com](mailto:carlosmacias@plasmadvances.com)

## SENSIA



Graphene SPR biosensing solution manufacturer

**Main activity:** SENSIA is a technological leader company in the field of analytical instrumentation based on SPR (Surface Plasmon Resonance), for life sciences laboratories and environmental measurements.

SENSIA has developed the first available commercial graphene biosensors, leading the SPR technology into new unattained limits of detection, into the attomolar range. SENSIA is a company of the Mondragon Group

**No. of patents:** 2

**Created in:** 2004

**Web:** [www.sensia.es](http://www.sensia.es)

**Contact person:** Iban Larroulet

**Email:** [ilarroulet@seimcc.com](mailto:ilarroulet@seimcc.com)

## SIMUNE ATOMISTICS S.L.



Computational Materials Design Services

**Main activity:** SIMUNE is a company expert in ATOMISTIC SIMULATIONS offering: computational materials design services, professional support for SIESTA, development/integration of customized modules

**% Activity in graphene (R&D):** 35%

**No. of employees:** 6

**Created in:** 2014

**Web:** [www.simune.eu](http://www.simune.eu)

**Contact person:** Ander de Bustos

**Email:** [a.debustos@simune.eu](mailto:a.debustos@simune.eu)

## The Graphene Box



Graphene Supplier

**Main activity:** With a team of over 45 people and four sales offices in three countries, The Graphene Box was created with the objective of making available to any company, research center or school the most miraculous material in Nanotechnology: graphene

**Created in:** 2014

**Web:** [www.thegraphenebox.com](http://www.thegraphenebox.com)

**Contact person:** Vanesa Alvarez

**Email:** [valvarez@thegraphenebox.com](mailto:valvarez@thegraphenebox.com)

## VLC Photonics



Graphene application developer

**Main activity:** VLC Photonics specializes on the integration of optical systems into photonic chips, providing chip design and testing services, and brokering for chip manufacturing and services. This includes graphene-enabled photonic integrated circuits for optical components like modulators, tunable filters, ultra-high-speed photodetectors, etc.

**% Activity in graphene (R&D):** 10%

**No. of employees:** 3

**Created in:** 2011

**Web:** [www.vlcphotonics.com](http://www.vlcphotonics.com)

**Contact person:** Iñigo Artundo

**Email:** [inigo.artundo@vlcphotonics.com](mailto:inigo.artundo@vlcphotonics.com)

## Editor

### Phantoms Foundation



The Phantoms Foundation received in 2013 the official recognition as Lead Collaborator of ICEX, Spain Export and Investment ([www.icex.es](http://www.icex.es)) to coordinate the Spanish Nanotechnology Plan funded by ICEX and to bring to international exhibitions and conferences "Nanoscience and Nanotechnology Spanish Pavilions"

**Main activity:** nanoscience, nanotechnology (N&N), project management, conference and fair organization (in particular graphene-related: Graphene Europe conference series, Graphene Canada, GrapChina, graphIn International Conference), network coordination

Phantoms Foundation is also coordinator/editor of the catalogue of graphene companies worldwide, provides focused reports on N&N related research areas, and develops the graphene CLOUD website ([www.graphenecloud.net](http://www.graphenecloud.net))

**% Activity in graphene:** 40%

**No. of employees:** 8

**Created in:** 2002

**Web:** [www.phantomsnet.net](http://www.phantomsnet.net)

**Contact person:** Antonio Correia

**Email:** [antonio@phantomsnet.net](mailto:antonio@phantomsnet.net)



# Graphene

IN SPAIN

## Companies Catalogue



EUROPEAN UNION  
EUROPEAN REGIONAL  
DEVELOPMENT FUND  
A WAY TO MAKE EUROPE

[www.phantomsnet.net](http://www.phantomsnet.net)

## ACM "Advanced Carbon Materials" business unit at Grupo Antolin



Graphene Related Materials (GRM) producer and developer since 1999  
**Main activity:** ACM ADVANCED CARBON MATERIALS is devoted to develop, produce and market graphene-related innovative solutions. ACM is providing final and intermediate products such as suspensions in different solvents, dispersions in water and resins, polymer masterbatches, etc. ACM is trading final clients' products under its trademark GRAnPH  
**% Activity in graphene (R&D):** 50% **No. of patents:** 8  
**Created in:** 1999 **Web:** www.granph-acm.com  
**Contact person:** Cesar Merino **Email:** cesar.merino@grupoantolin.com

## Applynano Solutions S.L.



Graphene producer, graphene supplier, application developer  
**Main activity:** We produce high quality graphene oxide and derivatives. Our work is focused on the development of graphene applications for customers and the subsequent supply of graphene based materials for these applications, especially polymer nanocomposites  
**% Activity in graphene (R&D):** 70% **No. of employees:** 5  
**Created in:** 2015 **Web:** www.applynano.com  
**Contact person:** Iluminada Rodríguez Pastor **Email:** iluminada@applynano.com

## AVANZARE Innovacion Tecnologica S.L. — avanzare

Graphene producer  
**Main activity:** Bulk graphene producer in powder, dispersions and composites. Different lateral sizes, pristine graphene, and different oxygen concentration  
**No. of patents:** 3 **No. of employees:** 39  
**Created in:** 2004 **Web:** www.avanzare.es  
**Contact person:** Julio Gomez **Email:** info@avanzare.es

## das-Nano S.L.



Designer and manufacturer of Graphene and 2D materials characterization system (Onyx)  
**Main Activity:** Onyx: contact-less system using Terahertz waves to characterize Graphene and 2D materials. Advantages: no sample preparation, very fast, sample size – 1mm to large sheets m<sup>2</sup>, high resolution – down to 100 µm, planar or complex surfaces, fully automated  
**% Activity in graphene (R&D):** 40% **No. of patents:** 7 **No. of employees:** 14  
**Created in:** May 2012 **Web:** www.das-nano.es  
**Contact person:** Esteban Morrás Ruiz **Email:** emorrasruiz@das-nano.es

## EMFUTUR Technologies



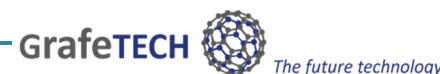
Graphene supplier  
**Main activity:** EMFUTUR is an international nanomaterial provider taking care of high quality materials and selling around the world with the best prices  
**No. of patents:** 1 (Encapsulation) **No. of employees:** 1-10  
**Created in:** 2000 **Web:** www.emfutur.com  
**Contact person:** P. Renau **Email:** mail@emfutur.com

## Gnanomat



Graphene technology provider. Manufacturing. Development of new nanocomposites graphene-based  
**Main activity:** Gnanomat develops and optimizes new nanocomposites graphene derivatives through our exclusive platform. This platform showed extraordinary versatility to generate advanced materials using graphene as precursor. We develop new nanomaterials to final application developers and commercialize graphene-based composites  
**% Activity in graphene (R&D):** 100% **No. of patents:** 1 **No. of employees:** 3  
**Created in:** 2014 **Web:** www.gnanomat.com  
**Contact person:** Roberto Clemente **Email:** info@gnanomat.com

## GrafetECH Europe S.L. — GrafetECH



Supplier of graphene-based products  
**Main activity:** Distribution of graphene-based products: paints, mortars, adhesives, insulators and nanotechnological coatings for surface protection, self-cleansing, thermal insulation  
**% Activity in graphene (R&D):** 60% **No. of patents:** 1 **No. of employees:** 8  
**Created in:** 2014 **Web:** www.grafetech.com  
**Contact person:** Antonio Sánchez Martínez **Email:** antonio.sanchez@grafetech.com

## Graphenano S.L.



Graphene application developer  
**Main activity:** Graphene oxide, reduced graphene oxide, graphene nanofibers, nano-spheres and nanoproducts, graphene-based additives for composites, building materials, sensors, displays, etc.  
**% Activity in graphene (R&D):** 80% **No. of patents:** 11 **No. of employees:** 21  
**Created in:** 2012 **Web:** www.graphenano.com  
**Contact person:** Jose A. Martinez **Email:** info@graphenano.com

## Graphene Nanotech S.L.



Graphene producer and supplier  
**Main activity:** Graphene Nanotech (GPNT) is a technology based company with the aim of manufacturing epitaxial graphene and graphene-based devices grown on silicon carbide for electronic applications. We provide fully-characterized samples for both basic and applied research  
**% Activity in graphene (R&D):** 100% **No. of employees:** 5  
**Created in:** March, 26th 2014 **Web:** www.graphenenanotech.eu  
**Contact person:** Alejandro Rodríguez Arellano **Email:** graphenenanotech@outlook.com

## Graphenea S.A.



Graphene Producer  
**Main activity:** Graphenea is leading graphene producer. The company produces CVD graphene films and Graphene Oxide and exports graphene materials to +50 countries. Graphenea participates in joint development projects to produce custom graphene materials according to the customer specifications. Graphenea has offices in San Sebastian, Spain and Boston, USA  
**% Activity in graphene (R&D):** 100% **No. of patents:** 5 **No. of employees:** 14  
**Created in:** 2010 **Web:** www.graphenea.com  
**Contact person:** Iñigo Charola **Email:** i.charola@graphenea.com

## GrapheneLight



Graphene application developer and manufacturing equipment maker  
**Main activity:** GrapheneLight is formed with Mechanical and Electrical engineers that use the graphene technology, to take your company to the next level of innovation with new products and applications  
**% Activity in graphene (R&D):** 100 **No. of patents:** 1 **No. of employees:** 6  
**Created in:** 2014 **Web:** www.graphenelight.com  
**Contact person:** Ambjørn Wennberg **Email:** info@graphenelight.com

## GrapheneTech



Graphene producer  
**Main activity:** GPx Multilayered Graphene is a product obtained from our own "top-down" manufacturing process by exfoliating graphite. Graphene is produced with different number of layers (ranging 5-40 layers) and average specific areas (100, 300, 500 m<sup>2</sup>/g). Graphene platelets represent a new carbon material with multifunctional properties. GPx Multilayered Graphene is compatible with almost all polymers, suitable as active ingredient for inks or coatings, as well as an excellent additive for all kind of plastics. These multilayered graphene powder can be easily dispersed in many solvent. Our work philosophy is to establish a direct relationship with our customers and collaborators in order to achieve the expected results and their total satisfaction with our work  
**% Activity in graphene (R&D):** 90% **No. of patents:** 1  
**Created in:** 2009 **Web:** www.graphene-tech.net  
**Contact person:** Pedro Martin **Email:** pmartin@graphene-tech.net

## IEDISA (Industria Española para el Desarrollo e Investigación, SA) - Graphenstone



Manufacturer and seller of paintings, varnishes, lacquers, adhesives, glues and mortars with graphene  
**Main Activity:** Manufacturing and selling of Graphenstone products  
**No. of employees:** 5 **Web:** www.graphenstone.es  
**Contact person:** Antonio León **Email:** iedisa@herodo.es  
yoana.iturain@graphenstone.es

## InterQuimica



Graphene application developer  
**Main activity:** Development of nanomaterials based on graphene with different applications. We are mainly focused in developments for plastics and resins with high thermal and electrical conductivity  
**% Activity in graphene (R&D):** 40 % **No. of patents:** 1 **No. of employees:** 7  
**Created in:** 2005 **Web:** www.interquimica.org  
**Contact person:** Marta Perez **Email:** mperez@interquimica.org

## Nadetech Innovation S.L.



Equipment for graphene coatings  
**Main activity:** Company specialized in the development of equipment for manufacturing homogenous graphene films and coatings with other materials. Nadetech offers equipment focused on different coating techniques such as dip coating, sol-gel, layer-by-layer or electrospinning  
**% Activity in graphene (R&D):** 25 **No. of employees:** 4  
**Created in:** 2011 **Web:** www.nadetech.com  
**Contact person:** Eduardo Tejero **Email:** eduardo.tejero@nadetech.com