



Innovation
Ready

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Innovation Ready Smart Materials!

«Smart Materials: Applications for Greek Industry»

Tuesday 29 November 2022 | 16:30



1. **Amen New Technologies**: *THINK-MAGNETIC*

NOVELMAGNETS: A new series of magnetic alloys for permanent magnets. The product are a novel series of magnetic alloys lean in rare-earths or Cobalt that will be used for the fabrication of less expensive permanent magnets

TRL	4	Time to market (months)	18-36	Funds invested (€k)	>100	More funds needed (€)	1m
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2. **Biomimetic** : *Nature's ingenuity on surface engineering*

Biomimetic is focused on laser surface functionalization. We offer a bioinspired laser nanotexture glass with a combination of anti-reflective, anti-glare and super-hydrophilic properties. The technology relies on green push-button process, minimizing the need for chemicals and consumables.

TRL	8	Time to market (months)	12	Funds invested (€k)	900	More funds needed (€k)	-
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3. **Brite Solar**: *Transparent solar panels for optimal production of food and energy!*

Transparent solar panels optimized for greenhouses and Agri-PV systems: exhibiting industry's best performance of transparency and maximum installed power per crop cultivated under those panels.

TRL	9	Time to market (months)	0	Funds invested (€)	10 m	More funds needed (€)	€8.6m Series-A closing by end of year
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4. **Inmat Lab: Business accelerator from mine2market & market2mine**

Lightweight composites based on expanded perlite substrates with upgraded physicochemical functionality and improved economic feasibility

TRL	4	Time to market (months)	18	Funds invested (€k)	150	More funds needed (€k)	-
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5. **Nanometrisis: Nanomize your metrology problems!**

Software and methods for the measurement and characterization of micro and nanostructure dimensions and roughness from microscopy images or other data.

TRL	8-9	Time to market (months)	5-10	Funds invested (€k)	-	More funds needed (€k)	-
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6. **PCN Materials: Additives with novel depollution, disinfection and self-cleaning attributes**

Visible light activated Novel Photo-Catalytic materials with depollution and disinfection attributes

TRL	7	Time to market (months)	0-18	Funds invested (€)	1,03 m	More funds needed (€)	2 m
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7. **Nanoviis**: *Business accelerator from mine2market & market2mine*

Gas and petroleum waste management products

TRL	9	Time to market (months)	0	Funds invested (€k)	260	More funds needed (€k)	-
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8. **FORTH/ICE-HT**: *Smart packaging.. Safe food*

smartSCOpack: Smart plastic packaging indicator with built-in temperature sensor capable of notifying consumers of possible defrosting of frozen food

TRL	4	Time to market (months)	18	Funds invested (€k)	50	More funds needed (€k)	100
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9. **Lab-Applied Organic Chemistry Research Group/NTUA**: *Green Solutions for a Sustainable Future*

GRen4smartpack: Added-value biocompatible films as packaging and coating materials processing desirable properties governed by the task-specific design and use of green solvents.

TRL	3-4	Time to market (months)	18	Funds invested (€k)	-	More funds needed (€k)	-
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Thank you

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