



Development of Multifunctional Sensor Surfaces



Business Support on Your Doorstep



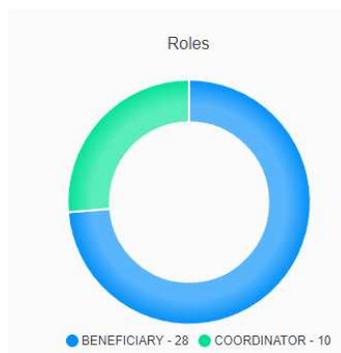
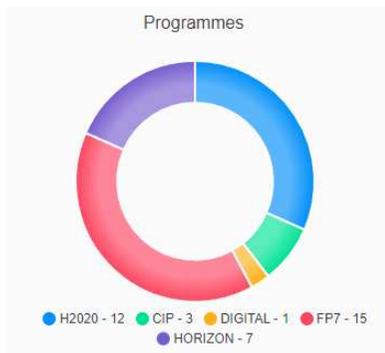
Project Idea	→ Lurederra is interested in coordinate/participate an idea in multifunctional sensor surfaces
Organization name, town and country	LUREDERRA TECHNOLOGICAL CENTRE Los Arcos, Navarre, SPAIN
Addressed topic(s)	HORIZON-CL4-2026-05-MAT-PROD-25: New or enhanced Innovative Advanced Materials (IAM) enabled sensing functionality (RIA)

1.05 Lurederra

Brokerage Event - Industry 2026

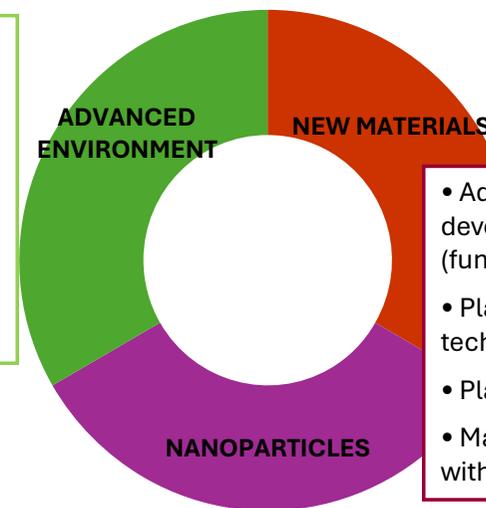


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LUREDERRA TECHNOLOGICAL CENTRE

- Wastewater Treatment
- Revalorisation of organic wastes
- Metal decontamination and metal recycling from wastes
- Nanoparticles applied to environment
- Sorbents for removal and recovery pollutants



- Advanced materials development (functionalised)
- Plastic processing technologies.
- Plastics recycling
- Materials for construction with special properties

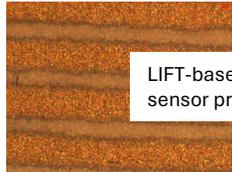
- Advanced nanoparticle production: simple and complex (mixed, doped, core-shell) nanooxides, phosphates and carbonates.
- Production of customised nanoparticle dispersions in different concentrations with high stability.
- Ready-to-use nanoproducts.
- Specific surface treatments
- Synthesis of specific functional compounds.
- Synthesis and modification of nanoclays.

L'Urederra Foundation, **non-profit private entity created in June 1999**, conducts and promotes research and technological development activities in the service of companies and economic operators, including the subsequent implementation of innovations developed in their own production facilities not only nationally but also internationally.

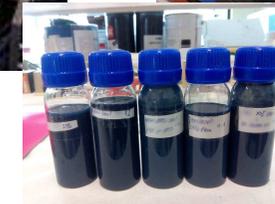
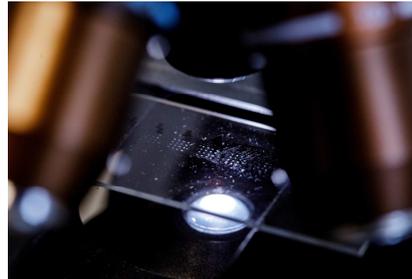
Industrial vision: Continuous development of marketable products and technologies quickly transferable and exploitable.

Lurederra competences / proposed activities

- Laser Induced Forward Transport (LIFT):** 3D Nanosized deposition of sensing and/or conducting materials for the development of sensors and miniaturized circuits, with possibility of stacking different materials.



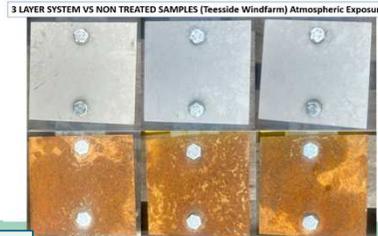
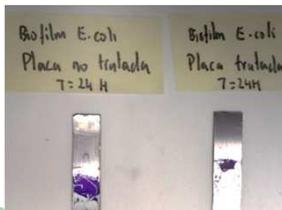
LIFT-based sensor prototype



Nano-based inks formulation and production

- IAM based functional surfaces:** antifouling, antimicrobial, corrosion and humidity protection coatings

Biofilm reduction against *Pseudomonas aeruginosa* (97,9%) and *Staphylococcus aureus* (99,5 %). ASTM E-2647.





Competences / type of partners sought

✓ R&D partners

- Experts in sensors manufacturing

✓ Business partners

- User cases defining needs (health or environmental applications)





Contact details

Contact person Angélica Pérez Manso

Organisation: LUREDERRA, Technological Centre

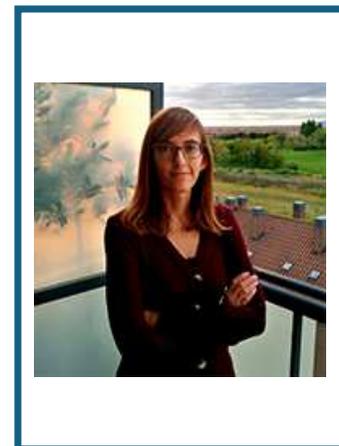
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B2Match profile [Angélica Perez | Horizon Europe Industry 2026 Brokerage Platform](#)

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