

The Institute Carnot MICA is a specialist in functional materials, surface-interfaces, and related processes, with 18 research laboratories, technological resource centres and industrial technical centres throughout the country.

www.carnot-mica.fr

A LEADER IN INNOVATIVE MATERIALS WITH A COMPREHENSIVE AND UNIQUE OFFER FOR MANUFACTURERS

Our comprehensive offer across the entire value chain

MICA assists companies throughout the R&D process through its unique, comprehensive offer:

- Materials, surfaces and interfaces and related processes
- Multidimensional analysis
- Durability and performance
- Technology transfer

For a wide range of materials: polymers, oxides, ceramics, carbons, biomasses, metals, molecules/cells, powders, thin films, foams, fibers and textiles, composites, porous materials and 3D and 4D objects.

Our job: to assist you with your R&D projects

MICA will assist you throughout your innovation and transformation project by offering customised solutions:

- R&D partnership contracts
- Services
- Expertise and advice
- Higher and continuing education
- Technology transfer

Working with MICA means you have privileged access to:

- Cutting-edge scientific innovations and technology
- International experts who are specialised in materials
- State-of-the-art equipment
- ISO 9001-certified project management

Target markets

- Automotive, aerospace, aviation, water sports
- Fashion and luxury
- Energy
- Environment
- Sports and wellness
- Industry 4.0
- Economical and sustainable construction
- Health and cosmetics





Our unique skills:

- Surface functionalisation for the creation of functional materials
- Creation of 3D and 4D objects throughout the entire value chain
- Active and intelligent materials to react and adapt to the environment
- Lightweight, robust structures: composites, textiles and foams
- Multidimensional analysis and metrology
- Eco-innovation, materials and processes that are environmentally friendly

Our technical resources, which are available to manufacturers:

- Technical platforms: development, analysis, performance testing, prototyping
- Testing platforms with real-world conditions
- State-of-the-art equipment in a unique set-up
- Highly skilled dedicated staff
- 11 platforms that already have ISO 9001 certification (51 facilities)

Long-term industrial partnerships, industrial expertise

- More than 900 partner companies per year
- More than 1,100 industrial contracts per year
- More than 40 patents per year
- 1 ISO 9001 certification

Key figures

Permanent staff
(full-time equivalent): 600
PhD Students: 350

Partnership incomes with industry: €15,3M
Services: €11,5M
Global budget: €70M

Contacts

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