

Case Study

Installation of the High-Resolution Hitachi SU7000 Microscope at PLACAMAT





Background

PLACAMAT is a research and development centre based in Bordeaux, specialising in the advanced characterisation of nanostructured materials.

The organisation's goal is to support technological advancements in innovative sectors such as energy and nanotechnology. In this context, PLACAMAT has identified a growing need for high-precision characterisation tools to meet the demands of these rapidly expanding fields.

With applications ranging from nanomaterials to energy devices, PLACAMAT's researchers and engineers require equipment capable of delivering detailed and reliable analyses. With this in mind, they have chosen the Hitachi SU7000 microscope, a high-resolution model that offers unmatched analytical power for nanostructured materials.

Objectives

- Characterise materials at the nanometric scale, particularly in the energy and nanotechnology sectors
- Deliver highly detailed analyses to support emerging technologies
- Ensure precise and reliable results using cutting-edge equipment
- Keep pace with future scientific developments



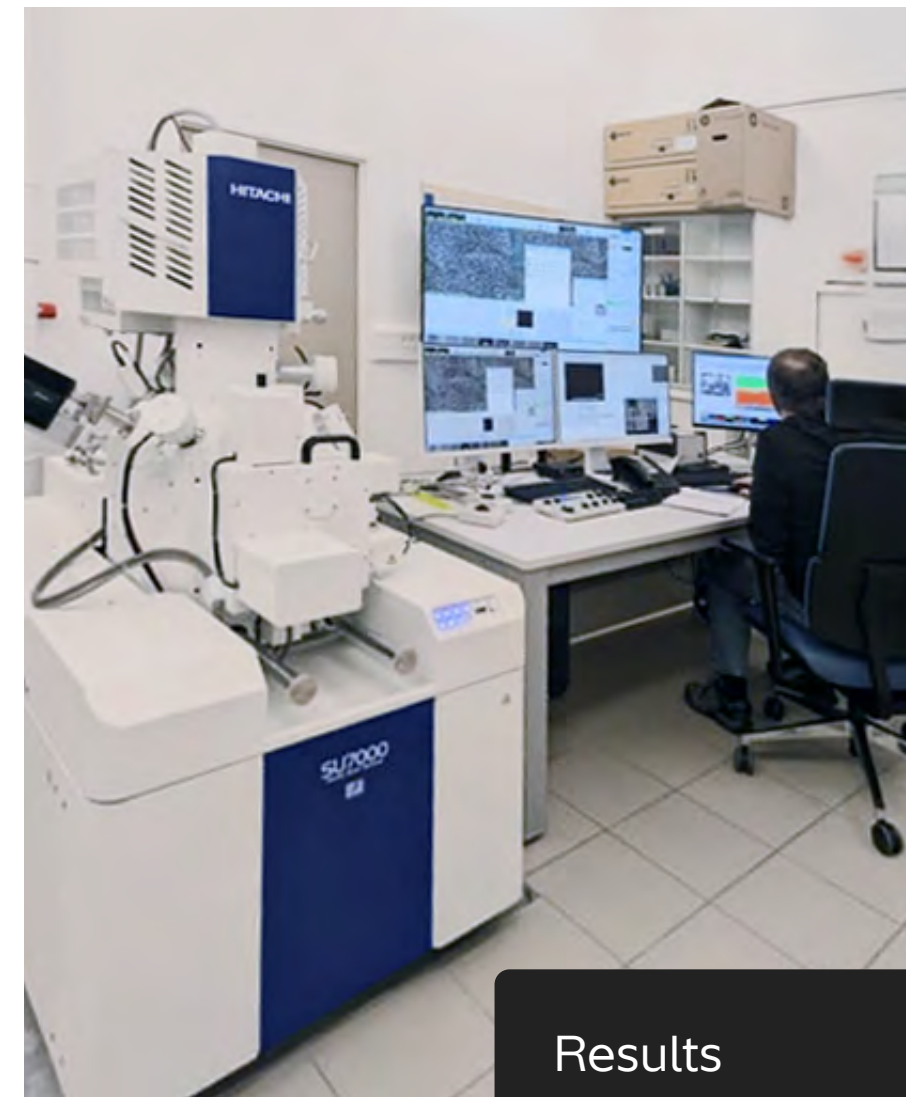
Solution

The solution chosen by PLACAMAT was the acquisition of the Hitachi SU7000 microscope, a state-of-the-art model.

This equipment enables ultrahigh-resolution observations, essential for analysing nanomaterials, energy devices, and other complex-structured materials.

The SU7000 offers outstanding resolution and precision, allowing PLACAMAT to:

- Observe nanometric structures with unparalleled clarity
- Meet the growing industry demands for advanced characterisation
- Prepare the centre for future technological and scientific developments in energy and nanotechnology



Results

- Ultrahigh-resolution observations for analysing nanomaterials, energy devices, and other complex-structured materials
- Detailed and reliable analyses at the nanometric scale
- Support for the growing needs of the energy and nanotechnology sectors
- Advanced characterisation capabilities to meet future research and development requirements

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