A photograph of a male and a female scientist in white lab coats working in a laboratory. The male scientist is leaning over the female scientist, who is seated at a desk. They are both looking at a computer monitor. The monitor displays a software interface with various colored bars and graphs. In the background, there is a large piece of scientific equipment, possibly a spectrometer, with the brand name 'BRUKER' and 'BIOLOGICAL' visible. A red sign on the desk reads 'Experiment in Progress'. The image is framed by a green circular graphic on the left and a green triangular graphic on the right.

DEGRADATION / FAILURE MECHANISM / EFFECTS OF TEMPERATURE

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DEGRADATION / FAILURE MECHANISM / EFFECTS OF TEMPERATURE

Using several techniques and equipment, determination of main thermal properties of a material as well as the analysis of failure mechanism or degradation process can be obtained.

WHAT CAN WE DO?



- Structural and elemental analysis. Analysis of the thermal properties of the material: specific heat, diffusivity and thermal conductivity.
- Determination of temperature events such as melting, evaporating points or other phase transitions, enthalpies, mass changes and crystallinity degree.
- Analysis of the gas evolved during a degradation.
- Mapping of side products or contaminants during a degradation or failure.

FOR WHO?



Explosives



Composite materials



Metallurgy and metallography



Paint and pigment



Chemical



Materials and manufacturing



Pharmaceutical



Textiles and fibers



Energy storage



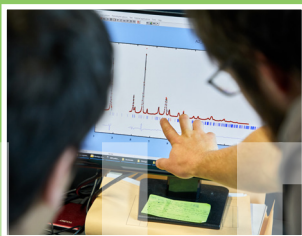
Petrochemical

INDUSTRIES

WE OFFER



**TURNKEY
SOLUTION**



**CONSULTING ABOUT
THE PROBLEM**



**TRAINING ON THE
SPECIFIC
TECHNIQUES**



JUST PLATFORM

HOW?

Electron Microscopy (EM)	Surface Analysis Unit (SAU)	Nuclear Magnetic Resonance (NMR)	X-Ray Diffraction (XRD)	Thermal Analysis platform (TA)	General characterization service (GCS)
TEM edx-TEM SEM e-SEM edx-SEM	XPS UPS SAM FTIR RS	ssNMR pNMR NMR	XRD	STA QMS DSC LFA DIL	GC-MS

EQUIPMENT & TECHNIQUES

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