

A close-up photograph of a battery terminal, showing a significant amount of reddish-brown corrosion. The terminal is surrounded by a grey, textured material, likely the battery housing. The image is framed by a large green shape that resembles a stylized arrow or a corner cutout. The background is a light grey with a subtle grid pattern.

BATTERY CORROSION

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BATTERY CORROSION

Corrosion testing allows us to identify and evaluate corrosion's main characteristics and propose alternatives to avoid it.

WHAT CAN WE DO?

- Test of corrosion resistivity under in-situ and ex-situ conditions.
- Extract corrosion mechanism based on the atomic level information.
- Determination of thickness of the corroded areas.
- Detection and quantification of compounds formed during corrosion.
- Analysis of compositional and structural changes of a phase during corrosion.
- Detection of impurities that may trigger corrosion.
- Determination of corrosion mode.
- Proposals of alternatives to avoid corrosion process.

SERVICES

FOR WHO?



Aerospace



Automotive



Metallurgy and
metallography



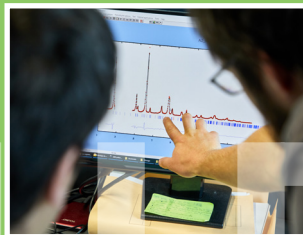
Energy storage
devices

INDUSTRIES

WE OFFER



**TURNKEY
SOLUTION**



CONSULTING



**TRAINING ON THE
SPECIFIC
TECHNIQUES**



JUST PLATFORM

HOW?

Electron Microscopy (EM)	Surface Analysis Unit (SAU)	Nuclear Magnetic Resonance (NMR)	X-Ray Diffraction (XRD)
TEM edx-TEM SEM e-SEM edx-SEM	XPS UPS SAM FTIR	ssNMR pNMR NMR	XRD

EQUIPMENT & TECHNIQUES

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BASQUE RESEARCH
& TECHNOLOGY ALLIANCE

Parque Tecnológico de Álava
c/Albert Einstein 48
01510 Vitoria-Gasteiz · (Álava)
SPAIN

(34) 945 29 71 08

cicenergigune.com



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