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

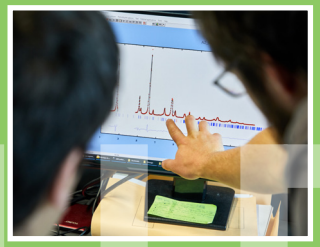
FOR WHO?

- Aerospace
- Automotive
- Metallurgy and metallography
- Energy storage devices

INDUSTRIES

WE OFFER

TURNKEY SOLUTION



CONSULTING

TRAINING ON THE SPECIFIC TECHNIQUES

JUST PLATFORM

SOLUTIONS

HOW?

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

EQUIPMENT & TECHNIQUES

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