



# CORROSION ANALYSIS

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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



H<sub>2</sub> value chain  
components



Chemical



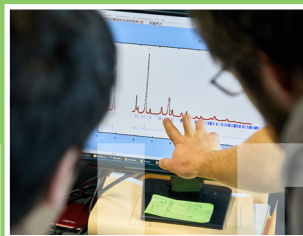
Petrochemical

# INDUSTRIES

## WE OFFER



**TURNKEY  
SOLUTION**



**CONSULTING**



**TRAINING ON THE  
SPECIFIC  
TECHNIQUES**



**JUST PLATFORM**

## ¿CÓMO?

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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