



**Laborelec**  
RESEARCH & INNOVATION



# MECHANICAL SERVICES – PV CORROSION RISK ASSESSMENT AND PREVENTION

## Service overview

Our PV corrosion risk assessment service ensures optimal protection for solar mounting structures, frames, containers and earthing grids by evaluating atmospheric and sub-soil corrosion risk and proposing site-adapted corrosion protection systems during the design phase.

### WHAT WE ASSESS

- Review and lab tests of soil composition and environmental corrosion risks
- Evaluation of corrosion protection systems (zinc coating thickness, cathodic protection methods, concrete, ...)
- Corrosion and material specifications in Requests for Proposals to equipment suppliers
- Customized protection strategies tailored to site-specific conditions

### EXPERTISE & LEADERSHIP

- **Lead Experts:** Jan Wielant, Matteo Caruso
- **Expertise Type:** Owner's or Lender's advisory

### WHY IS THIS SERVICE ESSENTIAL?

- Extended lifespan of structures through tailored protection strategies
- Reduced maintenance costs by preventing long-term damage
- Risk management for corrosion in challenging environments
- Addressing poorly standardized regulations to better safeguard assets

### DEEP EXPLANATION

Corrosion is a potentially critical issue for PV mounting structures and other metallic components in PV assets, especially in demanding environments. Our specialized services identify risks related to soil and environmental conditions and allow you to implement the right structural protection.

This approach minimizes unexpected costs and extends the lifespan of installations.

### THREE REASONS FOR YOUR TO CHOOSE LABORELEC

- **Leading expertise:** Assessments conducted by industry-leading corrosion specialists
- **Tailored approach:** We adapt solutions to project-specific needs and limitations
- **Lab and field expertise:** We can support you from RFPs and site inspection to lab tests with a broad team of experts

**Contact us today and get a customized assessment and ensure the longevity of your structures!**



## WOULD YOU LIKE TO KNOW MORE?

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