

# PULL OUT TEST

Pull Out Tests evaluate soil–pile interaction and the load capacity of foundations in photovoltaic structures, ensuring stability and safety under wind, mechanical loads, and varying ground conditions.



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Pull-Out Tests are conducted to ensure the **safety, stability, and regulatory compliance** of solar panel support structures.

## KEY BENEFITS

- **Structural safety:** Evaluates the resistance of piles and fixings in different materials, reducing the risk of failure.
- **Regulatory compliance:** Ensures piles meet applicable technical standards and quality requirements.
- **Design optimization:** Provides accurate data to improve pile selection and help reduce construction costs.
- **Failure prevention:** Identifies potential weaknesses early and supports more effective maintenance planning.
- **Efficiency:** Enables fast, precise, and reliable testing results.

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We plan and execute Pull Out Tests to verify the **strength and safety** of foundations in **photovoltaic plants**, delivering precise, reliable results.

## APPROACH AND PLANNING

- **Profiles and tests per point:** Defined by site size, restrictions, and client requirements.
- **Profile type:** Test different sections to evaluate strength and cost-efficiency.
- **Saturation conditions:** Determine tests under saturated conditions based on flooding and climate.
- **Test locations:** Strategically selected for a complete site characterization.

