

SUPPORT FOR DIFFERENT STAGES OF CONSTRUCTION WORKS

MEASUREMENT AND TESTING UNIT — AVAILABLE SERVICES



Design and preparation

CHARACTERIZATION OF MATERIALS, PRODUCTS AND CONSTRUCTION SOLUTIONS

- Soil and aggregates
- Bituminous mixtures
- Mortars and adhesives
- Natural stone
- Thermal insulation
- Concrete and pre-fab elements
- Windows
- Equipment

IN SITU TESTING TO CONTROL AND MONITOR EMBANKMENTS AND FOUNDATIONS

MECHANICAL PROSPECTING OF SUBSOIL

NOISE AND VIBRATION MEASUREMENTS

NOISE MAPPING

AIR AND WATER QUALITY ANALYSIS



Execution and monitoring

LAB AND "IN SITU" CHARACTERIZATION OF MATERIALS AND CONSTRUCTION SOLUTIONS

- Concrete
- Steel
- Bituminous mixtures
- Soil and aggregates

WASTE, BY-PRODUCTS AND CDW

- Characterization of solid waste for landfill
- Classification of rocks and soils as by-products
- Classification of materials for use as CDW

PILE INTEGRITY ASSESSMENT

CHARACTERIZATION OF CONSTRUCTION SYSTEMS

- Structural
- Façades
- Windows
- Floors

NOISE AND VIBRATION MEASUREMENTS



Maintenance and rehabilitation

NOISE AND VIBRATION MEASUREMENTS

INDOOR AIR QUALITY EVALUATION

ENERGY AUDIT

WATER AUDIT

PERFORMANCE EVALUATION AND ANOMALY SURVEY

- Adhesive strength of coatings
- Structure load capacity
- Verification of chemical and mechanical anchors
- Reinforced concrete inspections
- Air permeability of the external envelope (*blower door test*)
- Infiltrations evaluation

CHARACTERIZATION OF ROAD PAVEMENTS

Applicable standards and legal requirements:

European (EN), ASTM and ISO Standards; CE Marking; LNEC Specifications; European and National Laws; APA Technical Notes and General Rules; CETO-IP.

 [Link to website](#)