



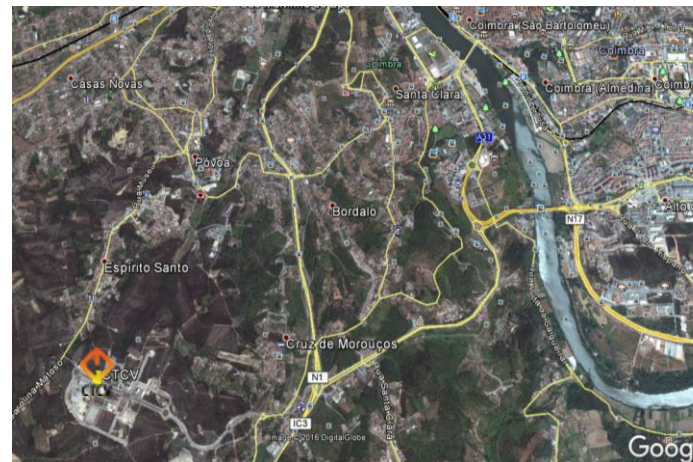
Mechanical Load



Internal Pressure



Rain Penetration



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CTCV
solar

Laboratory of Energy Systems

Solar Thermal Collector Testing





CTCV Laboratory of Energy Systems (LES) is an accredited laboratory with the resources and skills to perform testing of Solar Thermal Systems in accordance with the standards:

- EN 12975-1 – Solar Thermal Collectors
- EN ISO 9806 – Solar Thermal Collectors

In addition to the above mentioned standards, the LES performs technical inspections in installed solar energy systems, and also testing of other energy systems, such as biomass boilers, heat exchangers, heat pumps, etc.

The LES has highly qualified human resources as well as testing equipment in accordance with the actual state of the art, asserting itself as a Reliable Partner for the Manufacturers and Representatives of Solar Systems test their products, and help their R&D processes.



Solar Keymark Testing of Thermal Solar Collectors in accordance with the EN 12975-1 and EN ISO 9806 , namely:

- Internal Pressure tests for Fluid
- High Temperature Resistance Test
- Standard Stagnation Temperature
- Exposure and Pre-exposure Test
- Internal Thermal Shock Test
- External Thermal Shock Test
- Rain Penetration Test
- Freeze Resistance Test
- Mechanical Load Test With Positive or Negative Pressure
- Impact Resistance Test
- Thermal Performance Test



Solar Simulator



Solar Tracker



Climatic Chamber