

The installation GUNSOLSIM is a high flux solar simulator with three 6 kWe Xenon short arc lamps for a total lamp power of 18 kWe. The lamps can be moved and rotated to change the target area and simulate both a point and line focus. The solar simulator allows testing under tightly controlled laboratory conditions throughout the day and year; i.e. unlike an outdoor solar furnace the operation of the simulator is independent of the outside solar resources. The simulator can be used for lower TRL testing and development of a wide range of solar receivers, accelerated aging of materials, thermal shock and life-cycle testing, characterization of material properties, and photochemistry/photocatalysis experiments. This is the only solar-simulator in Turkey and one of the few in the Eastern Mediterranean region.

Services currently offered by the infrastructure:

N/A