

# SOLAR TEST SIMULATION

SoLiSi



**YOUR GLOBAL MOBILITY  
ENGINEERING EXPERTS**

Technical products are sometimes subject to extreme environmental conditions over the course of their life cycle, demonstrating interactions between different materials within a component or between several components.

The procedure serves to determine the ageing behavior (caused by solar radiation on components that are directly exposed to the sun, e.g. top of the dashboard, the center console and the top of the door trims) of polymer automotive components in their original installation positions with their original installation method.

The environmental conditions can go from the dry-hot Arizona climate to the hot and humid Florida climate (during the day) and a cold Alpine climate (during the night).

## Overview of our services:

- Temperature and humidity tests, in combination with radiation
- Control, operation and monitoring of the test part, e.g. for lifecycle or proof of function testing under climatic influences.
- Design and manufacture of testing jigs and fixtures.
- Metrological and subjective color and gloss measurement.
- Equipment specification according to DIN 75220, VDA 230-219, PR.306.5
- Dimensional analysis with 3D Scan and photogrammetry.
- Capacity: illuminated area of 3 x 3 m approx.

**We have the right test facility  
for almost everything**

## Contact:

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