

OUR BENCHMARK: THE HUMAN BEING

Developing, simulating, testing and analyzing for visions of the future. From the first idea to the finished product.

imat-uve, an expert in the field of engineering development, is a service provider with many years of experience in design, development, design engineering and testing of materials, parts, components and systems. We support our customers along the process chain, from the first idea to the finished product or component part. As provider of all kinds of environmental simulations and outdoor weathering, constant and alternating climatic tests, exposure to light, ageing and endurance tests, imat-uve provides a wide test range for material, components and whole vehicles. imat-uve has been continually accredited according to ISO 17025 since 1994, and is a member of the GUS - Gesellschaft für Umweltsimulation (Association for Environmental Simulation). Intensive cooperation in various standardization groups and committees keeps our know-how up to date and enables us to further develop our testing methods. CONTACT

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Further information can be found at www.imat-uve.com





OUTDOOR WEATHERING

Combined dry-hot and humid-hot weathering in the Kalahari desert, South Africa





BENEFITS OF THE KALAHARI WEATHERING

Weathering in the South African Kalahari desert offers many benefits. Ideal conditions of location and climate help to simplify and shorten processes, saving costs and time.

- High temperature range allows accelerated stress on components and material.
- High annual irradiation dose causes heavy stress on components and material.
- Material and component tests as well as whole vehicle tests at one location lead to the same damage and the same evaluation.
- There is no danger to the samples due to hurricanes or tornadoes.
- There is a higher humidity exchange compared to known reference climates. •
- There is no time difference to Europe, travel for sample examination is easy. •

COMPARISON OF METEOROLOGICAL DATA TO ARIZONA AND FLORIDA







Higher radiation dose than in Florida and Arizona.

LOCATION OF THE TEST AREA

