



SPHEREA

CORPORATE SOCIAL RESPONSIBILITY

Responsible for our environmental footprint

- Decarbonization
- Innovation
- Regional Development
- Raising awareness among our stakeholders

Committed to a sustainable product lifecycle

- Eco-design
- Repair, Reuse and recycle processes
- Recycling

Respectful of people

- Well-being and safety of our employees
- Diverse and equal opportunities
- Support for employees with disabilities
- Intergenerational collaboration

D E F E N C E

VeriDAS

End-to-end
Defensive Aids System Tester



VeriDAS®

Defensive Aids Systems are essential for enhancing the self-defence capabilities of aircraft and helicopters. Dedicated to integrity testing, the Veridas test system validates the operational capability of the device to perform its mission through a quick but thorough verification of autonomous defense systems.



Complete Test System

VeriDAS not only tests each piece of personal protective equipment, in addition to self-testing capabilities integrated into the systems, but more importantly, it validates the proper functioning of the entire system. This allows to identify possible wiring failures or degradation. Successive stimulation, under control Missle Launch Detection System (MLDS), Laser Warning Receiver (LWR) and Radar Warning Receiver (RWR) ensures a complete simulation of main threats.

The correct reaction of the DAS system is then easily verified by reading the bus information system, monitoring of audible alerts, and display of optical warnings of countermeasures. VeriDAS is particularly easy to install and use.

Its control interface, which can be accessed via a rugged tablet, is based on the proven SPHEREA Universal Test software and Maintenance Management System (UTMS), which is already widely deployed on advanced defence programmes.

Versatile Modular Design

The VeriDAS central measurement unit uses standard commercial test equipment, ensuring a measurement solution that is both efficient and cost-effective. Its modular approach offers optimal flexibility, allowing the system to adapt to changing requirements or different platforms. Additional interfaces or measurement resources can be easily integrated to meet specific needs.

A toolkit capable of simulating all threats



Optical threat generator to test the Laser Warning Receiver (LWR)

Ultraviolet simulator to test the Missile Launch Detection Systems (MLDS)

RF Signal Generator to test the Radar Warning Receiver (RWR)

Decoy Dispenser Load Simulator for Testing Countermeasures

Application Domain

VeriDAS is a ground support equipment (AGE – Aerospace Ground Equipment) designed for military helicopters and aircraft, also suitable for VIP aircrafts.

Engineered for outdoor use, VeriDAS withstands harsh conditions.

It can be deployed in various scenarios, ranging from comprehensive analysis during maintenance operations to quick verification during the mission preparation phase.

