

GPATE

GENERAL PURPOSE AUTOMATIC
TEST EQUIPMENT



SPHEREA

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THE **GENERAL PURPOSE AUTOMATIC TEST EQUIPMENT**

is a generic test bench to maintain various, military line replaceable units (LRUs). The measurement instruments can be exchanged and Test Program Sets (TPS) can be enhanced to modify and add test capability to the customers need.

This test bench is currently used by European nations within the NH90 program for the maintenance of 34 different avionic equipment of the NH90 helicopter.

THE GPATE IS THE IDEAL **SUPPORT SOLUTION** TO...

- guarantee maximum operational availability of your military systems
- increase the self-sufficiency of forces
- be deployed in the armed forces' permanent maintenance workshops or directly in operations
- provide support for the electronic and optronic equipment of a large number of military planes or helicopters and armored vehicles

REALISED **APPLICATIONS** RUNNING ON GPATE IN WORKSHOPS, SHELTER OR AIRCRAFT CARRIER

USED FOR MAINTENANCE TESTING OF MAJOR EQUIPMENT FAMILIES:



- Radar/IFF
- Mission computers
- Radio communication
- Engine Control Unit
- EW-Systems
- Fuel Management Computer
- Cockpit Panels
- Microwave Landing System
- Distance Measuring Equipment
- Data Link Interface



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GPATE COMMON SUPPORT

Sphera entered in the common support phase of the GPATE, which allows to enhance and improve the test bench. By supporting different end customers, synergies can be used and an exchange through all operators is ensured. The main tasks within this support are...

- basic maintenance as repairs, replenishment and calibration
- increase the availability, reliability and maintainability of the test benches to maximum
- perform obsolescence treatment to ensure a long lifetime and maintainability
- design, development and production to support new LRUs and implementation of improvements
- configuration management and documentation including updates
- off/on-site support, end user training and strong collaboration to the customer
- other support services or products ...



SPHEREA supports **5** nations

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ADVANTAGES OF THE GPATE

- High TPS compatibility to other Spherea platforms
- Low development costs, by reuse of existing HW and SW components
- Usage of commercial-of-the-shelf (COTS) elements
- It fulfils the requirements derived from vendor test specification
- Customization and special adaptation to individual customer needs
- Quick enhancement of test capability



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