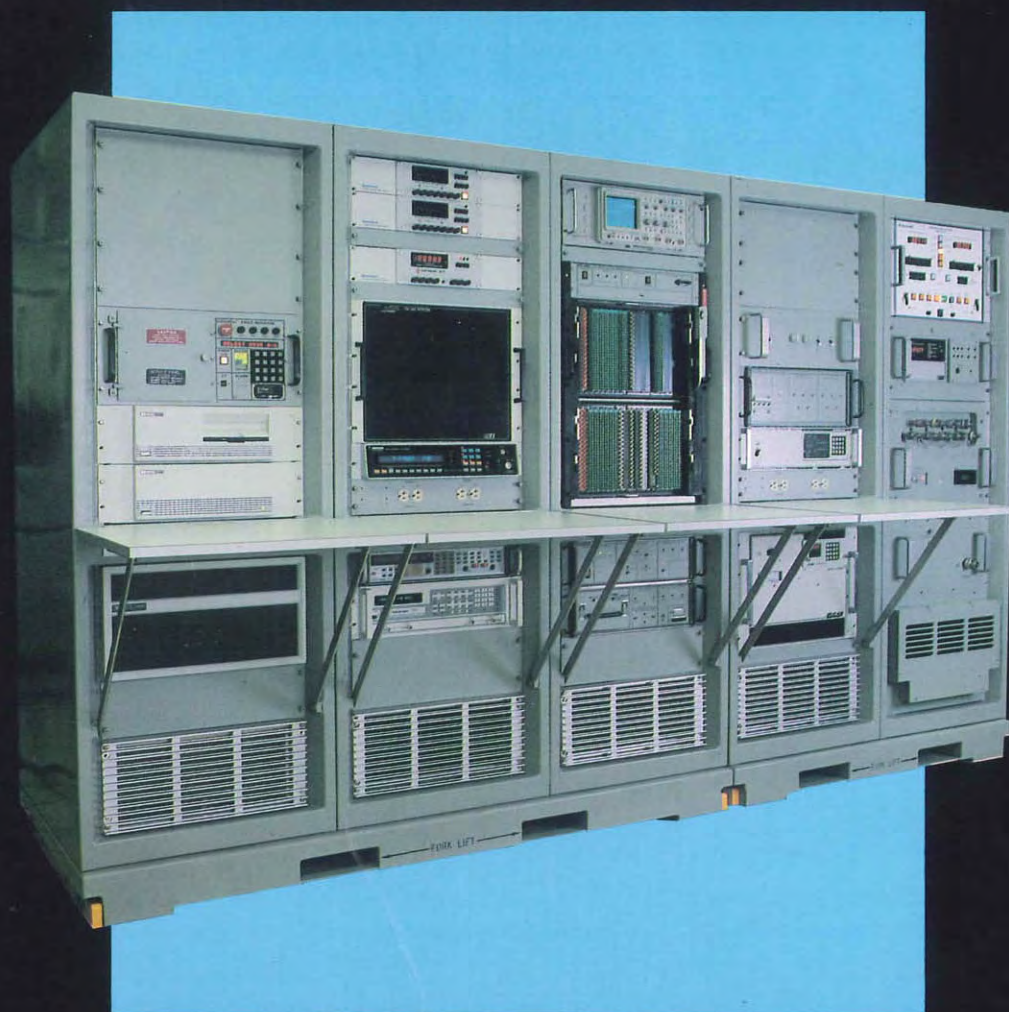


MATE



..... from **GEC AVIONICS**
(England)

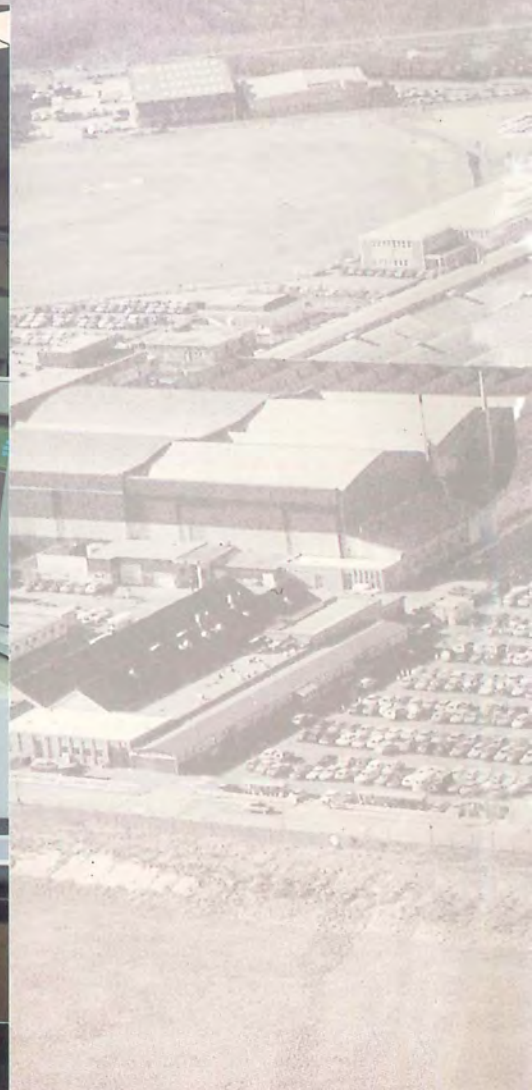
The MATE Concept

The MATE system in its broadest sense is an acquisition process, supported by standardized tools and procedures as well as software and hardware interface standards. Application of the MATE system results in an ATE which hosts the MATE control and support software on a MIL-STD-1750A computer, and which communicates with the Unit-Under-Test (UUT) through standard interfaces.

Application of the MATE process results in the following benefits:

- MATE gives the capability of sharing common assets, possibly reducing the number of hardware inventory items by as much as a factor of 10.
- MATE increases the commonality of personnel training and support. The United States Air Force trains people in 42 software programming languages. MATE uses only two. Standardized human interfaces mean shorter training time and better cross-station mobility.
- MATE Control and Support Software (MCSS) is common to all MATE stations. Approximately 95 percent of the MCSS is transportable.
- MATE systems can be modified with relative ease. This ensures operational flexibility.
- MATE software is maintainable under organic control of the USAF.
- MATE hardware interface standards enable government to maximize the benefits of competitive procurements.

MATE reduces life cycle costs. The bottom line is total savings to the government over the life cycle of deployed ATE.



GEC AVIONICS ATE DIVISION

GEC Avionics are well qualified to develop and supply MATE systems

- 30 years as a leading supplier of military ATE.
- 400+ qualified engineers, programmers, machine and computer operators, 71,000 square feet, plus support entirely dedicated to ATE.
- In excess of 400 test program sets developed and proven.
- ATE hardware and software supplied on programs including: A-7, F-16, SCADC, Nimrod, Tornado, AMX, B-747, DC-10, and Concorde.
- Experienced in ATLAS, FORTRAN, HP BASIC, NOVA CODE, C, 68000 Assembler, PASCAL, CORAL.
- Software environments include DEC VAX VMS, DG AOS and MPOS, IBM DOS, Sun UNIX.
- Designers and manufacturers of factory and in-service ATE - analog, digital, optical, pneumatic, RF technologies - used by military at Intermediate and Depot (contractor support) levels.



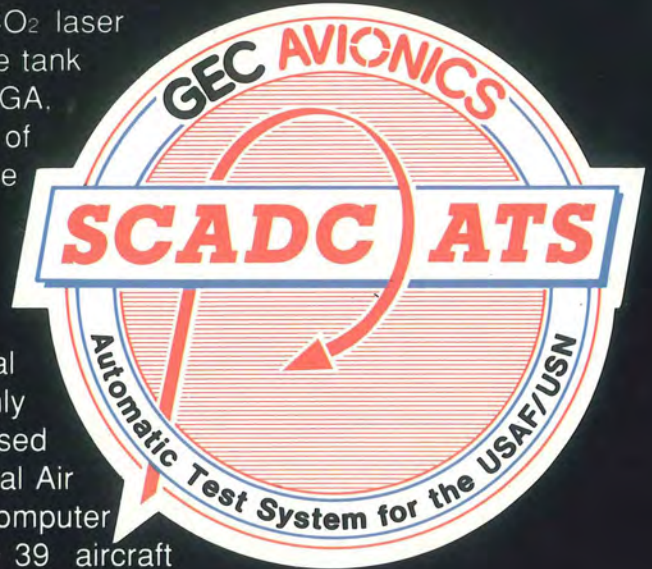
GEC AVIONICS INVOLVEMENT IN US PROGRAMS

GEC Avionics has had involvement with many US programs. Our holographic Head Up Display (HUD) for the LANTIRN program is the latest in a long line of HUDs supplied to the USAF. We are also supplying night vision goggles to the USN and USMC for use in the AV-8B, and are therefore the only avionics company capable of delivering a total night attack capability - now.

Our product range is diverse and includes CO₂ laser rangefinders, as supplied to the US main battle tank - the M1A1 - by GEC Avionics Inc., Atlanta, GA, and the SCADC which will re-equip thousands of USAF and USN aircraft, from the A-4 to the giant C-5.

MODULAR ATE FOR AMERICAN SCADC

The USAF support their latest operational aircraft by using MATE. GEC Avionics is the only foreign supplier of this type of ATE system, used by the American military for its Standard Central Air Data Computers. The ATE will test 5 types of computer and their 22 sub-assemblies, as used in 39 aircraft variants.



This brochure is intended to give a general impression of the products and services which are available and none of the descriptions contained herein shall form part of any contract.

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