



SUPPORT AND TEST SERVICES GROUP

CAPABILITIES

The Support and Test Services group is the test and support technology hub of SELEX GALILEO, whose expertise is centred in Edinburgh, Scotland. The group specialises in the following capabilities:

- Complete systems
- Test Program Sets
- Long-term Support capability
- Obsolescence management
- Results tracking/Trend analysis
- Core test systems
- Requirements analysis
- Data Integration
- System Integration
- Support optimisation.

The Support and Test Services Group has over 40 years of experience, specialising in the development and delivery of test system solutions for military and civil applications.

- Over 1200 Automatic Test Systems (ATS) of 110 types sold
- Over 10000 Test Program Sets (TPS) supplied.

Our experts help the global development of test industry standards and provide a product range that meets today's needs and has the capacity to address the challenges of the future. Disciplines covered include D.C. to light, analogue and digital, electro-optical (EO), electro-mechanical, acoustics and all levels of software complexity.

Our standard product capabilities cover:

- State of the art digital
- Avionics LRU
- Missile system and module
- Communications
- Live weapon test.
- Radar system and LRU
- EO and EW pod
- Underwater systems
- Surveillance equipment

Support and Test Services also deliver core testers and test program sets for developers and users. This concept has been effectively employed on the Eurofighter Typhoon. Support and Test Services can provide COTS based solutions or can develop cost effective custom-designed systems that address the needs of the user for particular projects or across a range of applications.

We have grown our test expertise over time. Our evolution has produced a series of solutions to meet our customers' needs across a wide range of technologies and environments. Our delighted customers are reassured of the benefits they obtained from the clear understanding Support and Test Services has of their needs, their products and their processes. Your requirements for support technology, test or data integration, will benefit from the expertise that the Support and Test Services group can provide.



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SOFTWARE CAPABILITIES

The Support and Test Services group has proven software development processes in place:

- COTS Software and Hardware Integration
- SEI CMM Level 5 Company
 - Integrated CASE Environments.

Support and Test Services can utilise the considerable expertise in test related software. Software languages include; TestStand, C, C++, LabWindows/CVI, ATLAS, LabView, Visual C++, HP VEE, Assembler. Development tools include TPS Wizard (a utility for automatically generating test program structures following a predefined template) and interface routines, used to obtain optimum performance and robustness in a variety of applications. Additionally Support and Test Services was the first European integrator of Interchangeable Virtual Instruments (IVI), a future proofing technology; and has been involved with developing ARGCS (Agile Rapid Global Combat Support) compliant software solutions.

With respect to specific technologies Support and Test Services has used or developed all of the following:

- Software Architecture
 - Test and Instrumentation Systems
 - Embedded Real-Time Software Systems
 - Client Server Architecture Environments
 - Dual Processor Applications
- Platforms
 - Intel Pentium/ 80X86, Motorola PPC 680X0
- Operating/ Run-Time Systems
 - Windows 95/ 98/ NT/ 2000/ XP, HP-UX, Solaris, TYX, MS/DOS, VxWorks
- Instrumentation Types
 - 19" Rack, VXI, PXI, PCI, STT and LXI.

CURRENT SOLUTIONS



Fixed Wing

- Eurofighter Typhoon
- Harrier
- Hawk
- Tornado.

Missiles

- Sea Dart
- Sea Skua
- Skyflash
- Brimstone.



Helicopter

- EH101
- Merlin
- Lynx.

Torpedoes

- Sting Ray
- Spearfish.



Communications

- Clansman Radios.

Overseas

- Tornado
- Sea Harrier
- Sea King
- Jaguar
- Hercules.

