

About BAE Systems

BAE Systems is a global defense and security company with approximately 100,000 employees worldwide. The Company delivers a full range of products and services for air, land and naval forces, as well as advanced electronics, security, information technology solutions and support services. In 2010 BAE Systems reported sales of \$34.6 billion.

About Electronic Systems (ES)

The Electronic Systems sector, headquartered in Nashua, N.H., has operations spanning commercial and defense electronics markets and offers a broad portfolio of mission critical electronic systems from flight and engine controls to electronic warfare and night vision systems, surveillance and reconnaissance sensors, secure networked communications equipment, and power and energy management systems. The Electronic Systems sector employs approximately 13,000 people globally, with engineering and manufacturing primarily in the United States, United Kingdom, and Israel.

BAE Systems Flight Line Test Solutions

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Flight Line Test Solutions (FLTS)



About Flight Line Test Solutions (FLTS)

Flight Line Test Solutions prides itself as one of the world's leading suppliers of support systems and support equipment to the U.S. Department of Defense, international militaries, and the aircraft prime contractor.

The FLTS product line traces its heritage to the fighter aircraft divisions of General Dynamics and Lockheed Martin Aeronautics in Fort Worth, Texas. Since the mid-1970s, BAE Systems has developed, delivered, and sustained more than 100,000 F-16 electrical, mechanical, hydraulic, pneumatic, and avionic support equipment items for the USAF and F-16 international customers.

FLTS is expanding its capabilities to meet the demanding requirements of myriad aircraft types worldwide including the F-15, F/A-18, H-60, C-130, and F-35 Lightning II.



Products

FLTS Test and Diagnostics Products are designed as common pieces of support equipment easily configurable for any aircraft type.

Stores System Tester (SST)

Provides real-time end-to-end test of an aircraft armament system and alternate mission equipment at the O- and I-level. Requires only software and cable modifications to support any fighter or armed UAV.

Viper Memory Load Verifier (VIPER MLV)

Offers flight line and back shop support for load and verification of operational flight programs, and downloads aircraft flight data for performing subsystem enhanced fault diagnosis.

Armament Circuit Preload Test Set (ACPTS)

Provides stray voltage detection and top level test of aircraft alternate mission equipment prior to weapons loading using the same user friendly controller as the SST.

Boresight Alignment Equipment System (BAES)

Performs accurate aircraft system boresighting using advanced photogrammetric technology eliminating the inaccuracies induced by gyro or laser based systems.



Capabilities

FLTS serves as a single source for total aircraft support and test equipment packages.

Aircraft analysis and support system engineering

– FLTS' focus in this process is to optimize aircraft supportability, reduce logistics footprint, and minimize life cycle cost.

Development engineering

– The support equipment development team consists of more than 50 systems. Electrical, Mechanical, Software and Specialty engineers performing detailed design, development integration and qualification testing.

Material management

– Material management maintains an active supply base of more than 400 support equipment suppliers who provide a wide variety of equipment. As the single-source supplier to the customer, we routinely review and requalify our supply sources.

Support and sustainment

– FLTS provides life-cycle modeling, production procurement, spares provisioning, calibration requirements, periodic maintenance, spares procurement, and repair of repairables. Additionally, FLTS provides equipment installation, checkout, training and commissioning at international customer sites as well as on-call customer support once the equipment is operational.

Program management

– Program management combines the program's engineering, material management, and sustainment functions into an integrated product team. The program management team works closely with the customer and end user and provides support from our facilities in Ft Worth TX, Clearfield UT, Nashua NH, and Sacramento CA.

