GLOBAL.
TRUSTED.
INNOVATIVE.
BOLD.

Every second a plane takes off enabled by our flight-critical systems.

AWARD WINNING: RECOGNIZED BY THE INDUSTRY AND OUR CUSTOMERS
- Recipient of Shingo Prize for excellence in manufacturing
- Industry Week Best Plants award winner
- FAA Diamond Award
- Boeing Supplier of the Year (2011)
- APICS Company of the Year Award
- David Parker Excellence in Acquisition Award
- Cranfield School of Management Best Factory Award
- Pride@Boeing Award
- Clean Texas Award

ACCREDITATIONS & CERTIFICATIONS
- ISO 9001:2000 and AS9100 Rev A registered quality system
- FAA/EASA-certified
- CAAC: Administration of Civil Aviation of China
- PMA: Parts Manufacturing Authority - Commercial Aerospace Spare Parts Manufacturer and Distribution
- ISO 14001-registered for environmental, safety, and health
- OHSAS 18001 registered
- OSHA Voluntary Protection Program (Star status)
- NVLAP EMI lab accreditation
- MIL-PRF-38535 QML-certified integrated circuit foundry
- MIL-PRF-38534-certified hybrid microcircuit
We specialize in electronic engine control that optimizes engine performance. We’re proud to be a world leader in Full Authority Digital Engine Control (FADEC) design, development, production, and support. Our state-of-the-art FADEC systems are currently on Boeing, Airbus, Bombardier, and Embraer planes. When you think of quality and reliability, think of BAE Systems.

**CORE CAPABILITIES**
- Full Authority Digital Engine Controls (FADEC) design, development, repair, and overhaul
- Supervisory controls
- Power management controls
- Engine cable and harness manufacturing and repair
- Vibration monitoring units
- Electronic management of essential power systems for optimized engine performance
- Efficient engine status monitoring
- Engine health and prognostics

**SUPPORTED AIRCRAFT**
- **Commercial**
  - Beechcraft: Premier 1
  - Boeing: 717, 737, 747, 757, 767, 777, 787, MD11
  - Bombardier: CRJ
  - CASA (EADS): C-235
  - Embraer: 170/190
  - Saab: SK60, SF340
- **Military**
  - Boeing: AH-64, F-15, F/A-18E/F
  - Lockheed Martin: F-16
  - Sikorsky: CH-53, H-60

**SUPPORTED ENGINE CONTROLS**

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Member of FADEC International with SAGEM
Member of FADEC Alliance with GE and SAGEM
FLIGHT CONTROLS: STICK TO SURFACE

BAE Systems is a market leader in the design, development, production, and support of highly reliable Flight Control Systems (FCS) for regional and business jets. We were the first to introduce Fly-by-Wire (FBW) in civil applications with the Airbus A310 aircraft. Our commitment to innovation continues with the development of an Active Inceptor System that enables tactile cueing for pilots.

LEADING THE WAY IN INNOVATION AND TECHNOLOGY
- More than 30 years of innovation in fly-by-wire technology
- Fly-by-wire installed base of 15,000 aircraft
- Precision aircraft control with intelligent electronics
- Leader in active stick technology with Active Inceptor Systems on both fixed and rotary wing aircraft

CORE CAPABILITIES
- Primary Flight Control (Fly-by-Wire "FBW")
- Secondary/Slats and Flaps (High Lift) Flight Controls and monitoring
- Actuator Control Electronics
- Remote Electronics Units
- Rudder and Yaw Control
- Stabilizer Control and monitoring
- Spoiler Control Electronics and monitoring
- Active Inceptor Systems

DATA INTERFACE CAPABILITIES
- ARINC gateways
- Data concentration and distribution
- Flight data acquisition

SUPPORTED AIRCRAFT
Commercial
- Airbus: A220
- Boeing: 737, 747, 767, 777; 747-8 (in production)
- Bombardier: CRJ, CSeries, Global 7000/8000
- Embraer: Legacy 450/500; KC-390 (in development)
- Mitsubishi: MRJ

Military
- Boeing: C-17, F-18, F-15; QF-16 (optionally manned aircraft)
- Lockheed Martin: F-35, F-22
- Northrop Grumman: B-2
- Saab: JAS39
- Sikorsky: H-60, CH-53
- Typhoon
IntelliCabin is an integrated approach to cabin management and provides a modular, scalable architecture for capabilities such as in-seat power, LED lighting, wireless tablet-based in-flight entertainment and dimmable windows.

**CORE CAPABILITIES**
- In-seat power for all passengers, all the time, regardless of seat class
- State-of-the-art IFE system that offers the best of today’s tablet technology
- Simplified control of everything electronic in the cabin through the use of our user-friendly Attendant Control Panel (ACP) or through mobile devices
  - Cabin power
  - Dynamic LED lighting
  - Dimmable windows
  - Cabin climate
  - Galley and lavatory functions
  - In-flight entertainment
  - Passenger address and cabin interphone
  - Boarding music
- Diagnostics and functionality that will save airlines time and money by simplifying crews tasks while improving the overall passenger experience
  - Potable water consumption and waste water assessment
  - Optimization of power usage and distribution
  - One-touch control of all seats for fast and efficient cleaning of the cabin
  - Maintenance diagnostics sent inflight so that ground crews are ready to service the aircraft

A family of cabin products that can be tailored to meet the needs and requirements of airlines
- Customizable, scalable, adaptable
- Line-fit and retrofit solutions

**COSTS LESS AND WEIGHS LESS**
- Less hardware is needed, including cumbersome bulky boxes under seats, making ours a leaner system that doesn’t compromise on functionality
- Increased leg and stowage room gives both crews and passengers the extra space they want

**SUPPORTED AIRCRAFT**
- More than 1,200 Boeing 737NG with Boeing Sky Interiors are enabled by our Attendant Control Panel
- More than 1,100 Boeing 777 aircraft fly with our cabin systems on board
FLIGHT DECK SYSTEMS
Intuitive, Integrated Technology That Ensures Optimal Aircraft Performance

FLIGHT SAFETY IS THE CORNERSTONE OF WHAT WE DO
- Innovative data and electrical distribution
- Integrated detection and alerting system for improved flight safety

CORE CAPABILITIES
- Instrument control panels and modules
- Master dim and test
- Radio tuning
- Audio control and management
- Caution and warning systems
- Head-up displays

DETECTION AND ALERTING CAPABILITIES
- Proximity sensing
- Smoke/fire detection and alerting
- Electronic warning management
- Stall warning
- Overspeed warning
- Pilot alerting
- Ice detection

CONTROL AND MONITORING CAPABILITIES
- Fuel systems and fuel jettison
- Hydraulic quality and pressure monitor
- Electronic cargo handling controllers
- Airborne power management
- Emergency door power assist system

SUPPORTED AIRCRAFT
- Boeing 737, 747, 757, 767, 777

HEAD-UP DISPLAYS FOR COMMERCIAL AIRCRAFT
A head-up display or heads-up display - also known as a HUD - is any transparent display that presents data without requiring users to look away from their usual viewpoints. The origin of the name stems from a pilot being able to view information with the head positioned "up" and looking forward, instead of angled down looking at lower instruments.

BAE Systems has been a leader in HUD development and production for more than 50 years - a position gained through continuous investment in technology and innovation. The company has produced over 14,000 head-up displays which have been in service on over 50 different aircraft types in more than 50 countries around the world.
BAE Systems offers unparalleled experience with flight-critical systems, software, and hardware. We develop and manufacture innovative aircraft products and back them with a global network of support for all current and anticipated needs. Our expertise covers many platforms to maximize commonality, availability, and affordability throughout the program life cycle.

We provide spares and asset management as well as maintenance, repair, and overhaul for a wide variety of aircraft electronics, including:

- Engine controls
- Flight controls
- Electrical distribution systems
- Flight deck systems
- Airframe systems control and monitoring
- Cabin systems
- Detection and alerting systems
- Data distribution
- Test equipment and technical services

BAE Systems provides end users and distributors with capabilities and products that improve operational safety and performance—backed by customer-driven service and support— for commercial, regional, and business aircraft. Commercial aircraft flying with the company’s products include Boeing and Airbus airliners, regional and business aircraft by Bombardier and Embraer, and Sikorsky helicopters.

Our services include:

- Original and upgrade equipment
- Modifications, repairs, and overhaul
- Prognostics and fleet health management
- Life-extension programs
- FAA, EASA, and CAAC approvals available
- Assured quality
- Service and support website designed with our commercial customers in mind
- Spares, repairs, and fleet health optimization from the experts who built it
- Streamlined delivery and 24/7 support
- World-class, trusted provider of FADEC overhaul solutions with our maintenance and upgrade program
- Comprehensive life extension and retrofit solutions

MILITARY AIRCRAFT SUPPORT

We’re a leading supplier of integrated control products, subsystems, and human-machine interface systems for a broad range of weapon systems. The company’s advanced design and development expertise and exceptional aftermarket service combine to sustain platform longevity and logistical readiness for domestic and approved foreign customers.

As a preferred provider of avionics and integrated solutions for more than 40 military platforms worldwide, the company offers:

- Full design, production, and support capabilities
- Leading-edge technology with full military logistics support
- Modifications, repairs, and overhaul
- Life-extension programs

OUR SERVICE CENTERS: STRATEGICALLY LOCATED TO ENSURE THE BEST POSSIBLE SERVICE

- Rochester, UK: Flight controls, in-flight entertainment, and head-up displays for commercial and military applications; electrical distribution systems, flight deck systems, airframe systems control and monitoring, cabin systems, detection and alerting systems, and data distribution for commercial applications
- Redmond, Washington: Flight controls and head-up displays
- Fort Wayne, Indiana: Engine controls, flight controls, and harnesses for commercial and military applications; flight controls, electrical distribution systems, flight deck systems, airframe systems control and monitoring, cabin systems, detection and alerting systems, and data distribution for commercial applications
- Singapore: Flight controls, electrical distribution systems, flight deck systems, airframe systems control and monitoring, cabin systems, detection and alerting systems, and data distribution for commercial applications

COMMERCIAL AIRCRAFT SUPPORT

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- Airframe systems control and monitoring
- Cabin systems
- Detection and alerting systems
- Data distribution
- Test equipment and technical services

Wheels up to wheels down customer care from the OEM that built it.
INNOVATION AT THE SPEED OF NOW

www.baesystems.com/commercialsupport