

FLIGHT CONTROL SYSTEMS



Automatic Flight Control System for the Tornado



Full time full authority fly-by-wire FCS for the EFA



Vehicle Management System for the YF-22A ATF

GEC Avionics Combat Aircraft Controls Division (CACD) is a major supplier of flight control systems (FCS), and has the experience, organization, skilled labour, facilities and capacity to meet any FCS requirement.

GEC Avionics has over 40 years experience in providing high integrity flight control systems as demonstrated by our past and current performance, ranging from the Meteor in 1951 through to the European Fighter Aircraft (EFA) and the USAF YF-22A Advanced Tactical Fighter. CACD have supplied in excess of 4000 sets of FCS equipment for over 20 types of aircraft, which include:

- ☐ **Tornado**
- ☐ **Boeing YC-14**
- ☐ **Lynx**
- ☐ **Harrier/Sea Harrier**
- ☐ **Jaguar ACT (Active Control Technology)**
- ☐ **AM-X**
- ☐ **Experimental Aircraft Programme - (EAP)**
- ☐ **US Navy T-45 Goshawk**
- ☐ **USAF YF-22A Advanced Tactical Fighter**
- ☐ **SKS600 and the Sentinel 1000 Airships**

In addition, GEC Avionics have been selected as the prime contractor for the provision of the full time, full authority fly-by-wire (FBW) flight control system, for the European Fighter Aircraft (EFA) which includes the Flight Control Computer and the pilot's FBW Stick Sensor and Interface Control Assembly.

Flight control programmes



Prime contractor for the European Fighter Aircraft flight control system which includes the flight control computer and the pilot's control stick assembly.



Vehicle management system and the pilots control stick assembly for the USAF YF-22A Advanced Tactical Fighter.



Over 1000 flight control equipments supplied for the Panavia Tornado.



Yaw damper controller for the US Navy T-45 training system Goshawk.



First full-time full-authority quadruplex digital flight control system supplied for the Jaguar ACT demonstrator.



Automatic flight control system for the Harrier/Sea Harrier. The world's first vertical take-off and landing (VTOL) aircraft to enter military service.



Digital flight control system with fibre optics data transmission for the Boeing YC-14 transport aircraft.



Duplex flight control system supplied for the Lynx helicopter programme.



Fly-by-light flight control system for the Westinghouse airship SKS 600 and the Sentinel 1000, the worlds largest flying airship.



GEC AVIONICS
Combat Aircraft Controls Division

This brochure is intended only 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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