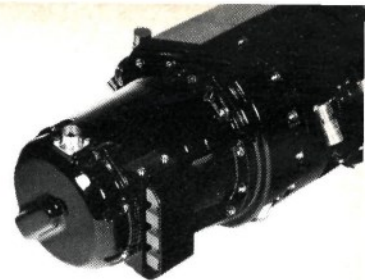
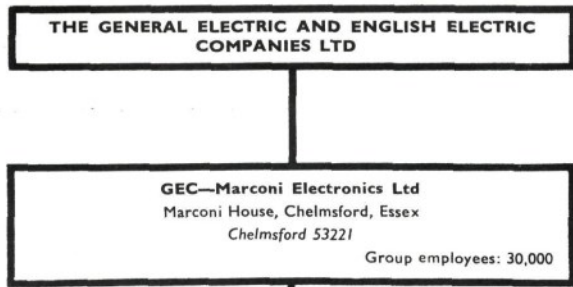


# AVIONICS ORGANISATION IN 1969



English Electric 90kVA integrated-drive generator



**MARCONI-ELLIOTT AVIONIC SYSTEMS LTD**  
Headquarters—Airport Works, Rochester, Kent. Medway 44400

**Marconi Aeronautical Division, Basildon, Essex. Basildon 22822:** Civil and military airborne electronic equipment. Automatic direction finders; Doppler navigation sensors; navigation computers and displays; VOR/ILS and DME navigation aids. HF and VHF communications equipment; HF/VHF tactical communications equipment; Selcal selective calling system and aerial tuning units. Digital computer and moving-map display for flight navigation/control, fuel management, etc. Analogue computers.

**Elliott Flight Automation, Airport Works, Rochester, Kent. Medway 44400:**  
Airborne Computing Division: HS.801 Nimrod tactical system; application of computing in inertial navigation, flight control and flight management. Airborne Displays Division: Head-up and head-down displays, including A-7D, A-7E, ILAAS, Viggen, Buccaneer, Belfast; trials installations in DC-9, Comet and Sea Vixen; 80 Series for civil airliners.  
Aircraft Engine Instruments Division: Flowmeters, fuel contents gauging and engine instruments in most current British aircraft; new applications include Concorde, Phantom, Harrier, Boeing 747.  
Automatic Test Equipment Division: Computer-controlled automatic test installations, including those for HS.801 and A-7 head-up display.  
Aviation Service & Repair Division: World-wide after-sales support, contract maintenance and repair, and engineer training for Elliott and other equipment.  
Flight Automation Research Laboratory: Advanced research on flight control and guidance techniques.  
Flight Instruments Division: Air data computers and flight instruments in HS.801, Jaguar, C-5A, CF-5, Concorde and others.  
Gyro Division: Quantity production of sub-miniature precision gyros for Harrier, Sea Dart, Martel and others.  
Inertial Navigational Division: Digital inertial navigation system for Jaguar, E.3 inertial platform for Nimrod.  
Military Aircraft Controls Division: Autostabilisers and autopilots for combat aircraft, helicopters and drones, including Harrier, WG.13, Lightning, Buccaneer, Phantom, Jindivik, Hunter Mk 12; energy management analogue computer for C-5A.  
Transport Aircraft Controls Division: Autopilots and automatic landing systems for Concorde, VC10, BAC One-Eleven; undercarriage alignment control for C-5A.

**Elliott-Automation Radar Systems, Elstree Way, Borehamwood, Hertfordshire. 01-953 2030:**  
Airborne Radar Division: Design, development and manufacture of airborne radar systems, including advanced AEW radar.  
Mobile Radar Division: Mobile transportable and portable radar and allied systems, including Tobias seismic intruder alarm and ZB.298 battle-field surveillance radar.  
Neutron Division: Neutron devices, X-ray tubes, lasers and associated equipment. Research and Advanced Projects Department: System feasibility and design studies, and basic technique and component investigations, both for Elliott-Automation and for external organisations and Government departments.  
Radar Service & Repair Division: After-sales support of radar and communications equipment.  
Manufacturing Division: Quantity production.

**Marconi Electro-Optical Systems Division, Basildon, Essex. Basildon 22822:** Electro-optical systems for weapon guidance; night-viewing television systems; closed-circuit television; educational television equipment; airport flight information presentation.

**MARCONI COMMUNICATIONS SYSTEMS LTD**  
Headquarters—Marconi House, Chelmsford, Essex. Chelmsford 53221

**Marconi Radio Communications Division, Marconi House, Chelmsford, Essex. Chelmsford 53221:** Complete static and transportable HF point-to-point radio communications systems, including the Marconi self-tuning system; complete transportable microwave and tropospheric scatter systems; mobile radio communications systems; complete shipborne radio communications systems.

**Marconi Space Communications Division, Murrable House, Great Baddow, Chelmsford, Essex. Chelmsford 53255:** Civil and military satellite communications earth stations. Military fixed and transportable stations both land-based and shipborne; radio-astronomy equipment; weather stations; satellite telemetry command and control stations; communications and other electronic packages for satellites.

**Marconi Line Communications Division, Writtle, Essex. Writtle 451:** PCM telephony systems, data transmission systems, automatic correction telegraphy equipment. Message switching systems based on MARS (Marconi automatic relay system) for transfer of flight information, bookings, etc. from airport to airport.

**GEC-ELLIOTT SPACE AND WEAPONS SYSTEMS LTD**  
Headquarters—The Grove, Warren Lane, Stanmore, Middlesex. 01-954 2311

**GEC—AEI (Electronics) Ltd, The Grove, Warren Lane, Stanmore, Middlesex. 01-954 2311:** also Brown's Lane, The Airport, Portsmouth, Hants.: Research, development and production of advanced electronic equipment for civil and military applications. Satellite communication systems and ground stations (fixed and mobile); satellite electronic equipment. Military communications; weapon guidance systems and equipment. Microwave and ECM systems. Electronic warfare. Control engineering. Underwater weapons.

**Elliott Space and Weapon Automation Ltd, Chobham Road, Frimley, Camberley, Surrey. Camberley 3311:**  
Fuze Division: Design and development of fusing systems for weapons; RF hazard attenuators.  
Naval Weapons Division: Marine/Naval devices in guidance, sonar, radar, display control, weapon direction, computing, hydrographic and navigation fields, including Hydroplot.  
Space and Guided Weapons Division: Satellite and sounding rocket systems, including digital inertial guidance for ELDO Europa vehicle, sun-, moon-, and star-pointing attitude controls for Skylark, propane attitude control for satellites, experiments for ESRO TD-2, OAO-C and Nimbus D, and lead-lubricated long-life ball-bearings for space. Computer control of satellite earth station aeriels. Magnetic tape systems.  
Space and Weapons Research Laboratory: Advanced research in space equipment and systems, including scientific payloads; advanced environmental testing.  
Trainer and Simulator Division: Simulators using general-purpose digital computers for nuclear submarine control room, naval tactics training, HS.801 maritime crew trainer, Harrier simulator and others.

**MARCONI RADAR SYSTEMS LTD**  
Headquarters—Crompton Works, Chelmsford, Essex. Chelmsford 67111

**Marconi Radar Division, Crompton Works, Chelmsford, Essex. Chelmsford 67111:** Military and civil ground radar equipment for air defence, tactical and air traffic control. Aerial heads, transmitters/receivers, signal processing equipment and display and automated control systems; computers. Tabular/graphical displays for flight-plan processing systems or computer-controlled defence systems. Secondary radar systems for civil ATC.

**Elliott Airspace Control Division, Elstree Way, Borehamwood, Herts. 01-953 2030:** Computer-controlled defence and ATC systems, including Retriever, digital radar simulators, including Euclid and Simulator M1; aircraft identification radar (SSR/SIF) including systems for Eurocontrol, RAF, BoT, NADGE, Norway, and others.

**GEC-AEI (Electronics) Ltd, New Parks, Leicester. 0533-871331:** 3D (volumetric stacked beam) radars, small ships' weapon systems, instrumented visual range (IVR) equipment.

**E-A SPACE AND ADVANCED MILITARY SYSTEMS LTD**  
Frimley Road, Frimley, Camberley, Surrey. Camberley 63377

Advanced project studies and systems management in defence and industry, including HS.801 tactical system, hovercraft navigation, hospital building and sea ports.