

GEC AVIONICS

ANNUAL REVIEW

into '80



OF ACTIVITIES

REVIEW OF ACTIVITIES

The last year has seen us consolidating our leading position in many fields and enhancing our reputation for worldwide excellence. A Queen's Award for Technological Achievement set the seal on ISD's remarkable SCADC programme. The first flight ever of a complete Fly By Light airship system; the successful flight testing of the SPARTAN Terrain Following/Terrain Reference Navigation system; the public display, for the first time, of the Phoenix Battlefield Target Acquisition and Surveillance System; the successful testing of the new miniature START gyros; the development of new helmet-mounted displays; the handover of the first CO₂ laser rangefinder for the US Army Abrams M1A1 Tank, all combine to demonstrate the innovative talents of our Divisions and the dedication to success of all our departments.

New orders include: HUDs and ADCs for the US Air National Guard's YA-7F demonstrator programme; the GEC Avionics/Honeywell Laser Inertial Navigation System (LINS) for A&EE Boscombe Down; a Subsea Control System produced by OPG at Nailsea for installation on the Don oilfield north of the Shetlands; another 501 SCADCs for the USAF, bringing the total order to over \$165m; the Pilot's Control Stick for the US Advanced Tactical Fighter development programme; Sonar Stimulators for the Royal Navy and the laser-gyro APES system for the Warrior Armoured Fighting Vehicle.

GEC Avionics is in the forefront of the most exciting technological advance in aerospace in many years - the conversion, by the adoption of new avionic systems, of aircraft with only limited daylight operating capability into multi-capable aircraft with round-the-clock operational potential.

Development of collaborative programmes with European parties has gathered pace; HUDs and Flight Controls for EFA are major targets and the EUROLOGS Consortium, of which GEC Avionics is a part, overcomes the in-service support problems inherent in a major multi-national programme.

Research and Development continue to play a major part in our day-to-day activity, with the innovative skills of the GEC Laboratories and, in particular, our own FARL, being exploited to maintain and enhance the advanced levels of technology in our Divisional products.

Our products and expertise have been shown at exhibitions worldwide as well as at specialist meetings in the UK. In the current year, over 20 exhibitions will have been covered, half of them overseas, with the Farnborough exhibition having called for a major effort all round.

The Company continues to host a succession of visitors at all levels from the United Kingdom and many foreign countries and to participate to the full in local and national activities and committees of all kinds, charitable, industrial and sporting.



The handover of the RAF Hurricane, restored by the local RAeS Preservation Group, to RAF Manston.



Jeanna Jeager, one of the pilots of the 'Voyager' aircraft which flew around the world non-stop, examines a demonstration model of the ADD Night Cockpit.

MANAGING DIRECTOR'S REPORT

R W Howard
Managing Director

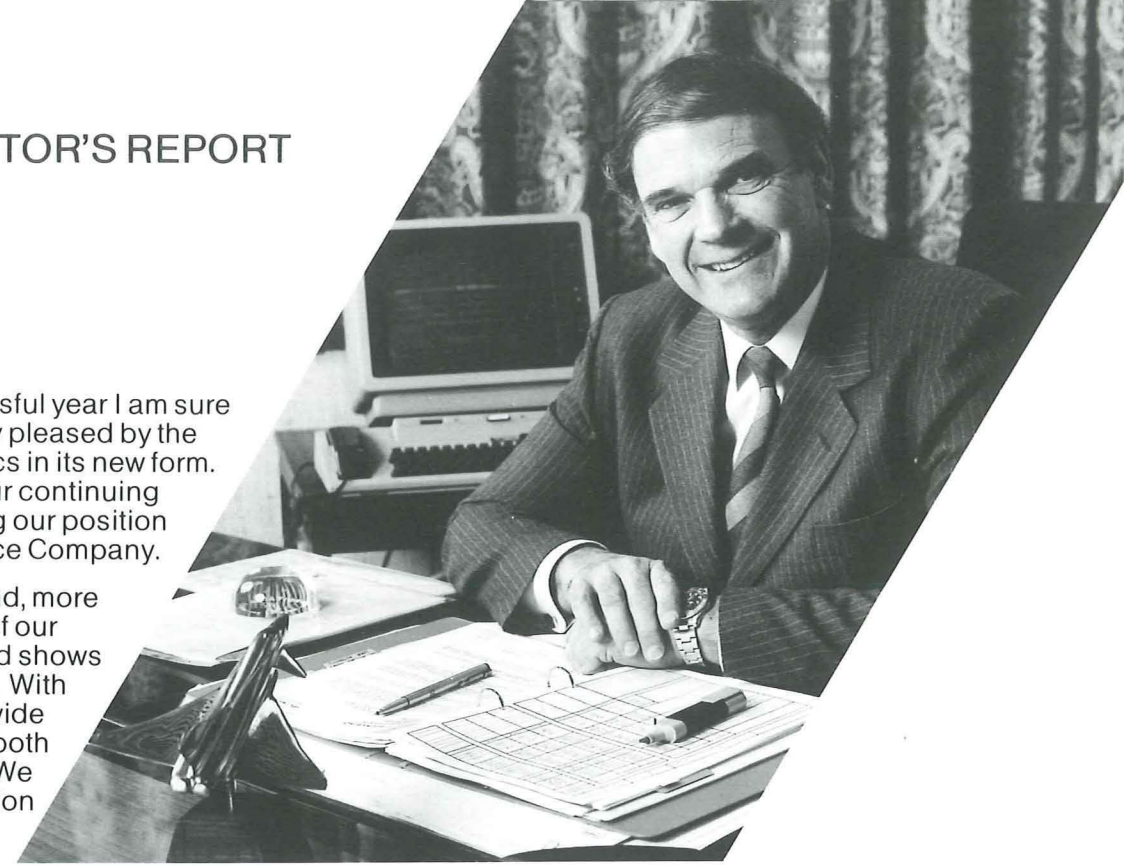
At the close of a very successful year I am sure you will join me in being very pleased by the performance of GEC Avionics in its new form. I wish to thank you all for your continuing contributions, in maintaining our position as a leading world aerospace Company.

Our sales continue to rise and, more remarkably, the proportion of our production which is exported shows a very definite upward trend. With current reductions in worldwide defence expenditure this is both significant and reassuring. We depend heavily on our position in the highly competitive export market which we can only maintain by continuing to offer the best solutions, in price and technology terms, to our customers' problems. That we have been able to sustain this position and even enhance it speaks volumes for the talent and dedication of everyone in the company. Many of you, I know, have put in long and arduous hours to meet customers' deadlines and this is much appreciated.

Export and home markets are becoming more and more dependent on collaboration between companies both at home and abroad. GEC Avionics is well prepared for this, with intercompany collaborative programme experience going back for many years - in my case, for over thirty! In Europe the Tornado and AMX and at home the Phoenix programmes attest to our experience and I am sure that EFA will bring us even more success.

The Company's new organization, which I outlined to you in my Report last year, is now well established and there is an increasing synergy in our operations with our new American companies.

We have also come closer to our sister Companies in GEC-Marconi and, whilst maintaining our own corporate identity, are pleased to take advantage of the additional power to our elbow which demonstrable membership of such a strong group can bring.



Our Company's performance has again been recognised by a Queen's Award - our 13th - to ISD for Technological Achievement. While the major accolades go to the Divisions earning Queen's Awards, we should also remain aware of the very able and enthusiastic support given by all the Company services, ranging from Works Engineering to Accounts, from Personnel to Security, and from Computer Services to the Telephone Exchange. A Divisional Queen's Award really recognises the entire Company, all of which contributes in some way to Divisional success.

The time ahead will bring more success but the challenge of reductions in real terms in western defence expenditure and the need for achieving lower unit costs will require us to search constantly for ways of improving our performance. To this end, we are instituting in the coming year a Total Quality Programme in which we will all be involved, whatever our jobs. I hope this will act as a focus for Companywide tuning of our competitiveness in our marketplace.

I take this opportunity of wishing you - and your families - a very happy Christmas and a successful and prosperous 1989.

SURVEILLANCE AND CIVIL SYSTEMS GROUP



This year has been one of consolidation for the Group where real progress has been made in developing a Group identity, made possible by the Divisions adopting a very encouraging openness of approach. This enables us to capitalize on the many skills and technologies available to us and thereby offer our customers a greater system capability and a wider product range.

In bringing together in one group the potentials of MASD and SSD we are now able to offer a combined maritime force able to compete with other major companies in this field. FCD are front runners in RPV total systems and RSD are improving their position in the marketplace as their new range of products gain the customers' attention.

The Product Divisions are ably supported by AS&RD who have made a major contribution to our image in the very important area of Customer Support, giving the Group the complete spectrum of activities from feasibility studies through to long term maintenance.

Our aim for the forthcoming year will be to build on what we have accomplished this year and to seek innovative ideas that will open new markets to us.

Foreword by
D G Clews
Assistant Managing Director

Sonar Systems Division

Sonar Systems Division's business has been dominated this year by exports of Sonar 2026, the updating of delivered systems and major spares deliveries.

Mk2 Sonar Stimulators are now being delivered to the Royal Navy and the Division hopes to win its first export order for this equipment. The first sale of a Mk3 Stimulator against strong competition has been achieved and trials of the Division's private venture Sonar Replay Equipment 2104 have been well received by the Royal Navy.

Looking to the future, SSD have demonstrated the ability to bid as prime contractors for total system fits and this, together with the setting up of collaboration agreements with other major contractors to bid for prestigious sonar programmes, has enhanced the reputation of SSD in the marketplace.



The Royal Navy EHI Merlin. GAv has a full development contract for the acoustic processor.

Flight Controls Division

Of significance at the turn of the year was the entry into service of the A320 Airbus using the Division's Slat/Flap Computer; recently the maiden Fly By Light flight of the Airship 600 took place, controlled by our Fly By Light system.

The Phoenix programme is meeting major milestones and is in production at all work centres. Several overseas customers are strongly interested in this system.

Trials of the Advanced Ground Station for controlling unmanned aircraft, the Mk4 Jindivik aircraft and the Rapier update are continuing successfully.

Although Boeing have opted not to proceed with the 7J7 aircraft at this time, FCD are very much to the fore for selection to provide equipment to Boeing for other programmes

Maritime Aircraft Systems Division

Maritime Aircraft Systems Division has continued to maintain its lead in the airborne Anti Submarine Warfare environment during the past year. Deliveries of the AQS 902G-DS equipment to the Royal Navy for the Sea King Mk6 helicopter are underway, and the system is proving successful in the current intensive operator trials. The development of the AQS 903 acoustic system for the EH101 (Merlin) helicopter is proceeding with vigour and constantly fulfilling expectations.

From this strong technology and project base MASD is actively promoting its products in many areas of the world, including Australia, the USA, Europe and the Far East.



The latest GAv acoustic processor, which equips the Royal Navy Sea King Mk6, entered service earlier this year.

Recording Systems Division

Recording Systems Division has broadened its product range during the year, and is now offering rotary-scan magnetic tape Cockpit Video and Mission Data Recorder Systems in addition to its established range of linear magnetic tape products. A further product addition has been a cartridge-based Solid State Mission Data Transfer Unit extending the technology developed for the Division's Crash Survivable Memory Unit.

These new product technologies have enabled the Division to bid competitively for most of the data storage systems on new aircraft programmes, including Tornado, EFA, Airbus 330/340 and the UK and Canadian EH101 projects.

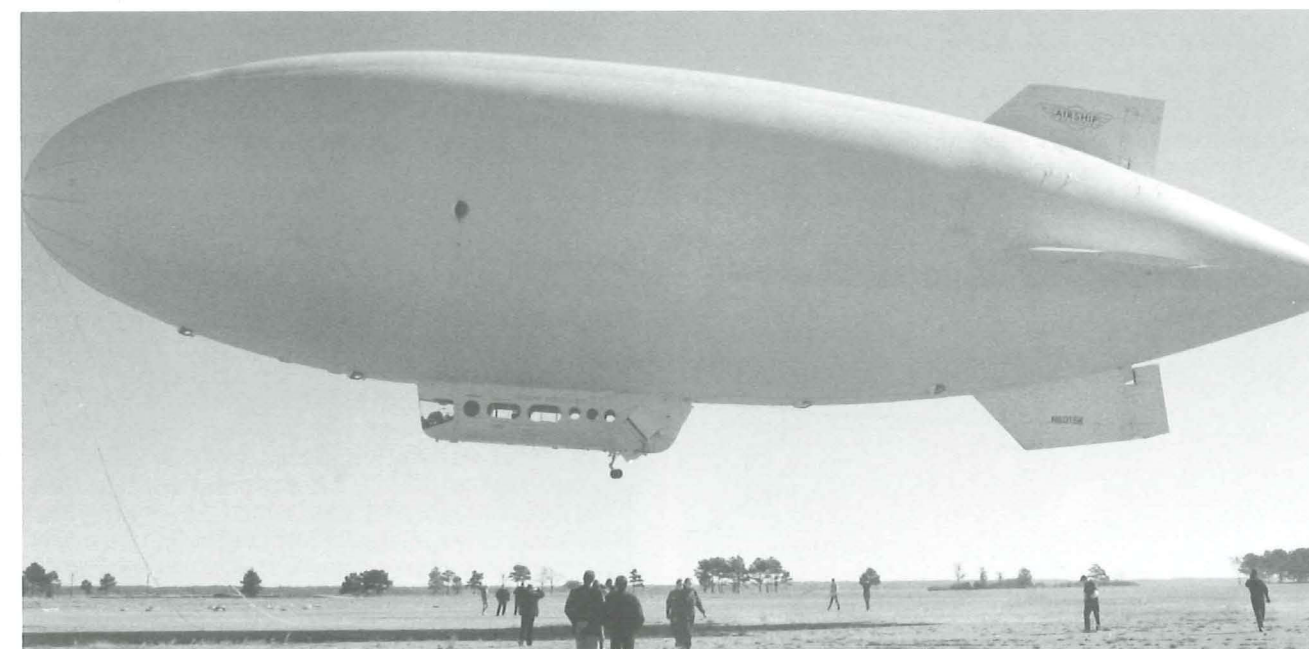
Aviation Service and Repair Division

Aviation Service and Repair Division continues to provide equipment repairs, spares provisioning, support engineering, field service representation, technical documentation and training for the Company's customers worldwide.

The repair facility at RAF 30MU for Tornado Systems is nearing completion and support to the increasing numbers of exported Tornado aircraft continues.

The Division is also contributing to the support requirements for the Company's Tornado Mid Life Update and EFA proposals. Go-ahead for support of USAFE's F-16 C/D HUD is expected soon and the A320 support is expected to increase next year in line with expanding aircraft sales.

The Airship Industries Skyship 600 first flew in October this year fully controlled by our Fly By Light control system.



DISPLAYS AND GUIDANCE SYSTEMS GROUP



Record levels of investment in research, development and proposals have enabled the Group to end the year with renewed opportunities for the future. Development of key subsystems for covert aircraft operations has continued in all Divisions and demonstrations of terrain referenced avionics, Helmet Displays and CO₂ Laser Obstacle Avoidance Radar have been successfully carried out, particularly in the USA. Requirements for these systems are now emerging and the group is well placed to compete by virtue of this strategic investment.

Cooperation between the Group's Divisions is high and, with the support and assistance of the GEC Avionics Inc and Lear Astronics teams, I am confident that we can maximise our business potential.

Order intake in the year has, however, been below expectations. Programmes around the world have been delayed due to the political difficulties in optimising defence expenditure when priorities are changing.

With increasing pressures in the marketplace for new, imaginative products which have very high reliability in severe environments, it is imperative that we strive to improve our design and manufacturing efficiency while simultaneously reducing costs.

1989 will be a year of opportunities and challenge to which the group must respond with tenacity, originality and, above all, quality of performance. It will also be a special year for me as I will reach 25 years service at Rochester and I am confident that 1989 will be as exciting and fulfilling a year as any of the last 24.

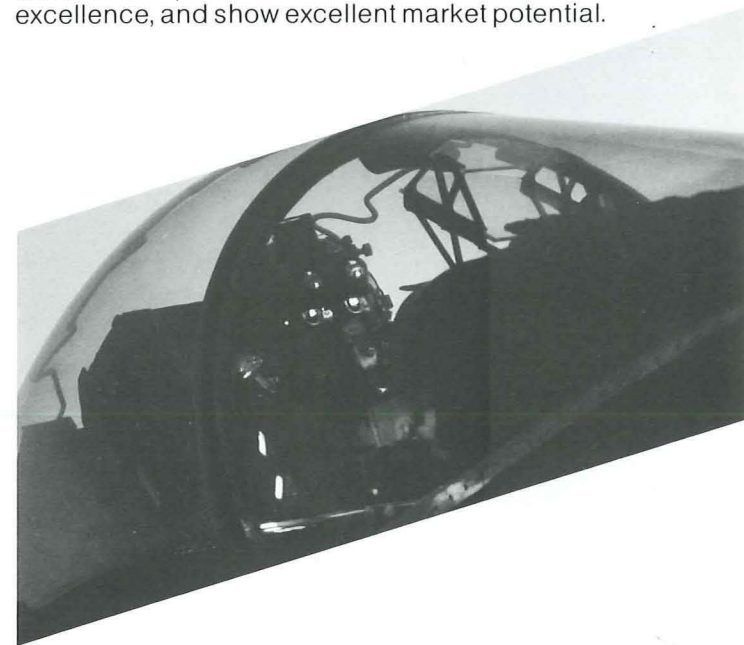
Foreword by
J C Spinks
Assistant Managing Director

Airborne Display Division

Airborne Display Division marked its 25th anniversary with celebrations which also saw the 1000th delivery of both the F-16 C/D HUD and the Tornado TV Tab system. Full scale production of F-16 Holographic HUD commenced, marking a further major milestone in this highly successful programme.

A year of heavy commitment to proposal activity has already been rewarded with new HUD contracts for the YF-22A Advanced Tactical Fighter demonstrator, the Chinese F-8 and the US Navy A-6E-U. Many other highly competitive proposals incorporating advanced technology and packaging concepts await vendor selection, providing every confidence for further new contracts in the new year.

Laser Obstacle Cable Unmask System and Day/Night Rifle Sights were successfully trialed and our Helmet Mounted Systems and Night Vision Goggles attracted worldwide interest. These all exhibit the expected innovation and technical excellence, and show excellent market potential.



Night Attack AV-8B equipped with GEC Avionics 'Cats Eyes' Night Vision Goggles. (Photo courtesy McDonnell Douglas).

Automatic Test Equipment Division

Automatic Test Equipment Division deliver MATE systems to the United States Air Force and Navy in 1989 which incorporate enhanced test capability for SCADC units from a wider range of aircraft. The Division's team of SMART Programmers will continue their work in France as the Division prepares for its role as a Beta site in 1990. The EUROLOGS activity instigated last year will increase as more RFPs are issued to suppliers for EFA. The teams associated with the Sea King and Thermal Imaging Repair Facility (TIRF) programmes achieved some real successes in 1988 and hope to capitalize on these in 1989. Product support continues its important role in divisional activities.



The Haskett Trophy winning stereoscopic Helmet Mounted Display developed by a team from FARL and ADD.

Guidance Systems Division

Guidance Systems Division has received the production order for the laser gyro Azimuth Position Elevation System for the Warrior vehicle. The Digital Colour Map Unit for the Harrier GR.7 has passed the critical design review on schedule. Successful demonstrations of Total Terrain Avionics (T²A) systems continue in the UK and USA. More NCS1's have been ordered by the Royal Navy.

Sting Ray Control Sensor Unit production is now over 500 per year and Short's Rate Sensor Unit production is now 300 per year. START gyros have been fired in munitions and have also been sold to Ford and General Motors for use in vehicle active-suspension development. More Multi-Launch Rocket System (MLRS) inertial platforms have been ordered and deliveries have started.

Flight Automation Research Laboratory

Flight Automation Research Laboratory's research into Man-Machine Interaction has included future cockpits and helmet displays with 3D capability, pilot's eye gaze angle sensing, an RAE contract for an Intelligent Knowledge Based System displays management demonstrator, studies for the European Space Agency and participation in a joint GAv/Industry/MoD team developing a Mission Management Aid.

Collaborative activities with product divisions involved installation in the USA of an airship Fly By Light system; flight control computer test software; holographic HUD design; digital maps; acoustic processing and subsea systems.

Good progress was maintained on research programmes on high speed data buses, IKBS applications, software engineering, electronic packaging, environmental design, fibre optic sensors and VLSI design.

Applied Physics Division

Applied Physics Division (Borehamwood) continues production of Neutron Generators to an exacting standard and looks forward to a significant increase in related areas of business over the next two or three years. A recent switch from cost-plus to fixed price contractual terms for this programme has provided interesting challenges and demands on the Project Teams.

The full scale development of CO₂ TEA lasers for the US M1A1 tank has progressed well and will shortly be completed. Production options, based on planned rates in excess of 600 units per year, are expected to be taken up during 1989. The CO₂ TEA laser forms part of a laser rangefinder to be manufactured by GEC Avionics Inc in Atlanta, and the combined programme places GEC Avionics at the forefront of this new emerging technology. Additional interest is being shown in other high power pulse lasers as well as a range of CO₂ Continuous Wave (CW) laser devices for guidance applications.

Assembling the gyroscopic elements for the inertial platform of the MLRS.



CONTROLS AND INSTRUMENT SYSTEMS GROUP



The current year has seen continued growth in sales with, in particular, SCADC deliveries reaching a peak of 120 systems per month. Our task now is to maintain this level of output in spite of the delays in the commencement of programs such as EFA and the Tornado Mid Life Update.

Substantial Company money is being expended in developments for new Boeing aircraft, the Lockheed ATF and new products such as the Flexwave flowmeter, the replacement AAU19 altimeter and the Modular Stores Management System which have many potential applications. This has been a period of intense activity in bidding for new work and there are now signs that because of our excellent reputation and present development activities, we will acquire several major new contracts in the next few months.

ISD is to be congratulated on its Queen's Award for Technology and CACD for the Open Day to celebrate the handing over of the 1000th Tornado CSAS computer.

With the sustained efforts of all our staff to develop new products, to improve productivity and quality and to market aggressively, we expect to continue steady growth.

Foreword by
C R Reese
Assistant Managing Director

Powerplant Systems Division

Powerplant Systems Division's testing activities with the USAF Engine Test and Trim Automated System (ETTAS) are approaching production, and our new generation Automated Powerplant Test Unit has gained recognition within the RAF and the RSAF. The V2500 flowmeter has entered production, extending our already large range of fuel products, and our RB211 Supervisory Controller Programme has received a new lease of life with the upsurge in Boeing 757 orders. PSD is developing into new business areas, mainly linked with the EFA and Airbus A330/A340 programmes.

Our display business has also received a boost, with the recent award of a contract from Lockheed Georgia for work on the C-130 RAM TIP programme. Finally, our work in Utility Systems has resulted in involvement with Lear Astronics in the Integrated Vehicle Subsystem Control for their version of the USAF Advanced Tactical Fighter. All in all, the Division is moving successfully towards a broad but stable product base for the future.

Instrument Systems Division

Instrument Systems Division has been fully occupied in all departments, from manufacturing large current orders in the Production area through to seeking new business in Marketing and Engineering.

Nearly 3000 SCADC units have been delivered from the current orders for 4300 units. Development and flight testing of other SCADC configurations for the US Navy S-3 and F-14 aircraft continues, along with a number of other Air Data and Stores Management projects. Mini-SCADC has been launched on the Canadian CF-116 and Lockheed C-130 aircraft.

A modular SMS is being evaluated by the US Navy. Seventh batch SMS deliveries have commenced and proposals submitted for the SMS for Tornado Mid Life Update. Multi-national teams have been agreed to bid a number of systems for EFA. The Microsystems Department is now established and open for business.

In October the Division celebrated its Queen's Award for Technological Achievement in some style.



The Lord Lieutenant of Kent presents the Queen's Award Emblem & the Grant of Appointment to ISD's Dave Silsby and Fred Wickham.

Combat Aircraft Controls Division

Combat Aircraft Controls Division has built upon its dominant position in military flight controls in Europe by delivering the 1000th Tornado Command Stability Augmentation System Computer, entering full production on the AMX Flight Control Computer and generating a strong position in the competitions for Tornado TF/TRN and EFA flight control equipment.

The delivery of the 1000th Tornado CSAS Computer was celebrated by an Open Day which was enjoyed by members of the Division and their families.

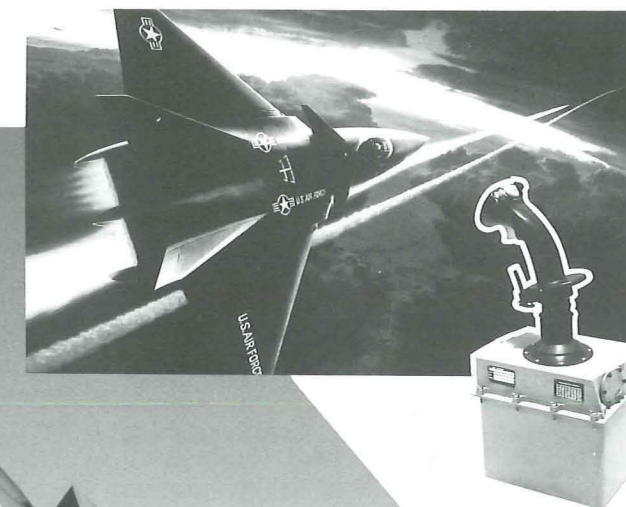
In the USA, contracts have been won for the NASA V/STOL, Advanced Short Take-off and Vertical Landing research programme, the ATF Pilot's Control Stick, and for further T-45A Yaw Damper Control work. The ATF flight control and Integrated Vehicle Subsystem Control programmes are proceeding well, in partnership with Lear Astronics.

Product diversification continues with missile avionics, ship control systems, and pilot's control sticks for all types of aircraft featuring strongly.

Power Conversion Systems Division

Power Conversion Systems Division continued quantity production of power supplies on all their major programmes, and in addition were successful in being awarded their first production export order from McDonnell Douglas for Power Converters for the Harpoon Missile. Also during the year a number of new development programmes were undertaken including power supplies for ISD's Mini-SCADC and Modular Stores Management System and GSD's Digital Colour Map system. A number of proposals for new work were offered for various Tornado and EFA programmes and active marketing continues both in the UK and the US aimed at attracting new business.

CACD has been awarded the contract for the Pilot's Control Stick for the YF-22A - one of the contenders for the USAF ATF. Also, Lear Astronics is prime contractor for the Digital Flight Control Computer and Integrated Vehicle Subsystem Control for this aircraft.



The 1000th CSAS Flight Control Computer was delivered to Panavia for the Tornado in 1988.



The newly opened Microsystems Department in ISD.

Offshore Projects Group were awarded a contract from Britoil to provide a Subsea Control System for their North Sea 'Don' field. This is the first prime system contract placed with OPG and represents a major achievement. The prospects of repeating this success look very good, with new subsea developments taking place in the North Sea, and off Norway and Newfoundland.

USA REPORTS

GEC Avionics Inc.

GEC Avionics Inc, whilst continuing the expansion of its important product support role, made further inroads into the laser technology market area.

During 1988, the world's first military CO₂ Laser Rangefinder, developed for the M1A1 Abrams Main Battle Tank, was delivered on time. The extensive work undertaken on the M1A1 Programme together with the acquisition of contracts for High Repetition Rate laser systems has enabled the Company to further enhance its system integration capabilities.

The Company is now entering an exciting and challenging new phase of its growth strategy which will involve high rate production of equipment designed in Atlanta.

With a year behind them as members of the GEC Avionics Limited team, Lear Astronics Corp. and Developmental Sciences Corp. are looking forward to new and challenging opportunities.

Lear Astronics Corp.

Looking forward to 1989, our prospects are very good. During the coming year, we expect to deliver our first production Mk V Artillery Muzzle Velocity Radar to the US Navy. The Mk V version is a much improved system which helps to enhance the artilleryman's accuracy and efficiency. Over 2300 Muzzle Velocity Radars have already been delivered to customers around the world.

The Integrated Vehicle Subsystem Controls responsibility was added to our Flight Control Computer award on the YF-22A Advanced Tactical Fighter. Both programmes include CACD participation. The F-15E FCC moves into production while the F-111 and JAS 39 Gripen will shortly fly with our flight control systems.

Recently, the US Department of Defense awarded the LRAACA Programme for the next generation of anti submarine warfare aircraft to Lockheed Aeronautical Systems Company. We anticipate being chosen to supply the Fly By Wire Flight Control System on this new and important programme.

Our prospects for growth in the Tactical Defence Alert Radar (TDAR) Programme look very favourable. We have proposed on the first major production procurement by the US Marines and fully expect to be under contract for this lightweight highly mobile radar system during the next calendar year.



Lear Astronics has provided over 3000 quadruplex Fly By Wire flight control systems worldwide for the F-16 fighter program.

Developmental Sciences Corp.

Last year's expansion of the Remotely Piloted Vehicles (RPV) activity to include manned aircraft systems integration has proved to be a successful new venture with much customer interest. The RPV product line grew last year with the first production deliveries of the new-generation R4E-50 Skyeye to a Middle Eastern customer. An advanced version of the R4E-40 Skyeye was also being readied for delivery to another Middle Eastern customer. An important and highly competitive contract was won to supply an R4E-50 system to an Asian customer, and competitions in Asia for other Skyeye systems were reaching the decision stages with Developmental Sciences on the final short-lists.

The 300th Aviation Ground Power Unit (AGPU) was rolled out with great ceremony for the US Army as international interest in the equipment, especially among NATO countries, was developing rapidly, ensuring a good future.

Interest in composite structures also grew throughout the year with inquiries received from several prime aircraft manufacturers.

SUPPORT TO THE DIVISIONS

Accounts Department

A major refurbishment of the Accounts Department has begun, which will result in much improved working conditions.

Continuing modernization of the Department includes an improved 'bought ledger' package which will be linked with SPUR, the central Company purchasing system, to provide a facility for automatic invoice clearance.

Three divisions, located at Welwyn Garden City and Borehamwood, employing around 500 people, have been absorbed into the Rochester accounting systems.

Central Manufacturing Services

Central Manufacturing Services is following the Company trend of equipment modernization and with the acquisition of a Computerized Numerical Control Lathe, CMS are now able to offer a manufacturing capability sufficient to cover the major part of customer divisions' machining and fabrication requirements.

The ability to respond rapidly to advances in technology is clearly demonstrated by the very successful production engineering investigation into the machining of ceramic based materials. There continues to be an increase in Redux bonding requirements for customers within GEC other than at Rochester.

Site Services

Works Engineering has continued the refurbishment of the older parts of the site. Projects this year have included the new 'Stirling' reception area, named for the Short's bombers produced in the factory in its early days. The Tower 1 conference rooms have been refurbished and the Tower 1 reception entrance is now known as the 'Jack Pateman Entrance'. Plans are in hand to up-grade the old south entrance, to be known in future as the 'William Elliott Entrance'.

Transport Department has handled large quantities of incoming material for projects such as SCADC and F-16, together with the despatch of finished products to customers.

Reprographic Services have provided valuable assistance to Divisions in printing large numbers of proposals to customers.

Company Aircraft's King Air has been used to fly many passengers to numerous European destinations.

A review of site services would be incomplete without mention of the valuable work of Security, Mailing, Telephone Exchange, Reception, Vehicle Services, Travel Office, Technical Library and Rochester Airport.

Sensor and Avionics Research Laboratory

Sensor and Avionics Research Laboratory, Great Baddow is tasked with providing research work specific to GEC Avionics and GEC Sensors. This includes holography, infra-red (IR) systems, displays and imaging techniques. Advanced signal processing research is carried out in support of digital high resolution radar and communication systems. Research in stabilization and control techniques, including underwater systems, is featured. In addition there are programmes on magnetic anomaly and sea clutter measurement, analysis and signal extraction methods. The laboratory also supports long term avionics related University research.

Personnel Department

1988 has proved a notable year for the Personnel Department, with the introduction of two new computerized systems - a personnel records system to assist with the mammoth task of keeping track of our ever growing workforce, and a time and attendance system now installed and working in a number of Divisions.

In response to growing concern about the lack of vital information on cancer prevention in women, we undertook an ambitious programme of Health Education for female employees, some 1400 in all, and following NHS recommendations offered cancer screening for every woman over 45.

Early in the year there were important changes in government legislation covering company and private pensions and affecting many employees. In response to these changes a series of 'pension seminars' was arranged for all interested employees.

Training Department

During 1988 the Training Department offered a record number of internal training courses - 150 in all, a figure which included 30 totally new courses. Developments in training for skilled workers and technicians were recognised with the 'Approved Training Organization' Award by the then Training Commission.

Looking to the future, the Training Department has increased its contact with local secondary schools to improve the familiarity of school leavers with the Company, and with the variety of employment opportunities we offer.

Computing Services

Computing Services has continued to develop and improve its range of information systems, services and Companywide communications.

Application functionality, particularly in manufacturing, has been extended whilst providing higher service availability levels and better man/machine interfaces.

CS now host the Training Dept DEC training facilities and a site terminal equipment maintenance service covering 34 suppliers and over 1700 terminal devices.

Budget information is now prepared via interfaces between the CS corporate and divisional computing networks.

Key real-time based application implementations that will continue into 1989 include Purchasing (SPUR), Bill of Materials (BOMIS) and Bought Ledger/Invoice Clearance (BLIS). These systems are designed to be functionally integrated within a physically distributed environment.

Audio Visual Unit

Audio Visual Unit is responding to requirements Companywide and within GEC-Marconi, producing 24 proposal and marketing videos each year. Two GEC-Marconi programmes were completed and a GAv programme is under way.

As part of the ISD Queen's Award ceremony, a large screen presentation, including dramatic lighting and sound, was coordinated, produced and staged for an audience of 650 people by the AVU.

Central Quality Department

Central Quality Department has successfully passed reassessment by NAMAS in the areas of Environmental and Electromagnetic Compatibility testing.

The current phase of expansion of the EMC facility at Gads Hill is complete and a new anechoically lined chamber has been commissioned. Further expansion in this area is under consideration.

As part of our Standards Laboratory service the calibration of Environmental Test Chambers, both internal to GAv and to external customers is now established.

Investment in new vibration equipment ensures our enhanced capability in this area of environmental testing into the next decade.

GEC AVIONICS GEC Avionics Limited

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