

**THIS
IS
THE**

**AVIATION
SERVICE AND REPAIR
DIVISION**

OF

ELLIOTT BROTHERS (LONDON) LTD.

THE COVER

You may be surprised to see a cover design attributing a Chinese flavour to the content of these pages. Although our primary intention is to attract and please the eye, we are happy to be able to go further and justify the association of ideas between China and Elliott Brothers (London) Limited.

Elliott Flight Instrument and Compass systems are directly descended from the primitive suspended lodestone whose discovery is claimed by the Chinese. The digital range of Elliott Computers has as their forebear the abacus, still used in shops and offices in China today. The great Marco Polo, an early user of navigation equipment, is famous for his voyage to China and back in the 13th century.

Finally, there can be nothing more symbolic of Service than the Chinese coolie!

Aviation Service and Repair Division

E L L I O T T B R O T H E R S (L O N D O N) L I M I T E D

Elliott Brothers (London) Limited
manufacture a vast range of aviation and other
products and support them with a comprehensive
after-sales service. Our responsibility, then, is to
maintain the reputation of the company's products
and ensure their continued efficient operation
in service. It will also be appreciated that our
diverse facilities can serve many other
requirements, and this brochure is intended to
outline these activities, introduce the various
members of the Division and their functions, and
indicate the extent of service available to all our
customers.

Airport Works, Maidstone Road, Rochester, Kent . . Tel: Chatham 4-4400
Manor Way, Borehamwood, Hertfordshire Tel: Elstree 5484



A member of the Elliott - Automation Group of Companies



Divisional Headquarters

Elliott Brothers (London) Limited have establishments at Borehamwood, Lewisham and Rochester, and the Service and Repair Division is based at Rochester under the control of Mr. F. J. Shields, Divisional Manager. All correspondence should be addressed to:—

Elliott Brothers (London) Limited,
Aviation Service & Repair Division,
Airport Works,
Maidstone Road,
Rochester, Kent.

Telephone: Chatham 4-4400



*New Elliott Building under construction at Rochester.
Architects: Yorke, Rosenberg and Mardall.*

DEPARTMENTS

The range of responsibilities which come under the general heading of "Service and Repair", particularly with regard to the aviation industry, are

Technical Services	Inspection
Technical Publications	Supplies (Spares, Piece-parts)
Repair, Overhaul and Modifications	Commercial

These responsibilities are embodied in six departments within the Division, and in the following pages the functions of each department will be described. We will be pleased to answer questions about our service, and will give particular attention to any special customer requirements.



NOTE:

Any reference to "the Company" in the following text is a reference to Elliott Brothers (London) Limited. The functions of the various Government Departments and Authorities referred to in the text are summarised below:

The Ministry of Aviation and the Air Ministry are those United Kingdom Government Departments concerned with research and development and the operation of aircraft and equipment required by the armed forces.

The Air Registration Board (A.R.B.) is the licensing authority in the United Kingdom responsible for the official approval of all civil aircraft, systems and accessories.

The Federal Aviation Authority (F.A.A.) is the equivalent of the British Air Registration Board in the United States of America.

The Director General of Inspection is the Department of the Ministry of Aviation responsible for Inspection Procedure and the Approval of all projects pertaining to Military and Naval aircraft in the United Kingdom, and their systems and accessories.





Commercial Department

Manager : Mr. C. W. Ecob

*Elliott offices and laboratories at Borehamwood.
Architects : Beard, Bennett, Wilkins and Partners.*

This Department is responsible for all the financial, contractual and sales work of the Division, and covers its general administration.

The Department has made arrangements on a sub-contract basis for the repair and overhaul of radio, radar and hydraulic equipment other than that of Elliott manufacture, by specialist organisations in the United Kingdom. This gives an added advantage, especially to overseas customers, in that a wide range of components needs only be sent to one address (Elliott Brothers) where full responsibility is taken through the Inspection Department for quality of workmanship and re-despatch. In this way difficulties with importation and re-export are reduced to a minimum.

By arrangement with Short Brothers and Harland Limited, at their establishment at Rochester Airport, comprehensive overhaul of aircraft to Certificate of Airworthiness standard can be undertaken on aircraft having a maximum all-up weight of up to 30,000 lb.

Technical Publications Department

Manager: Mr. D. R. Charles

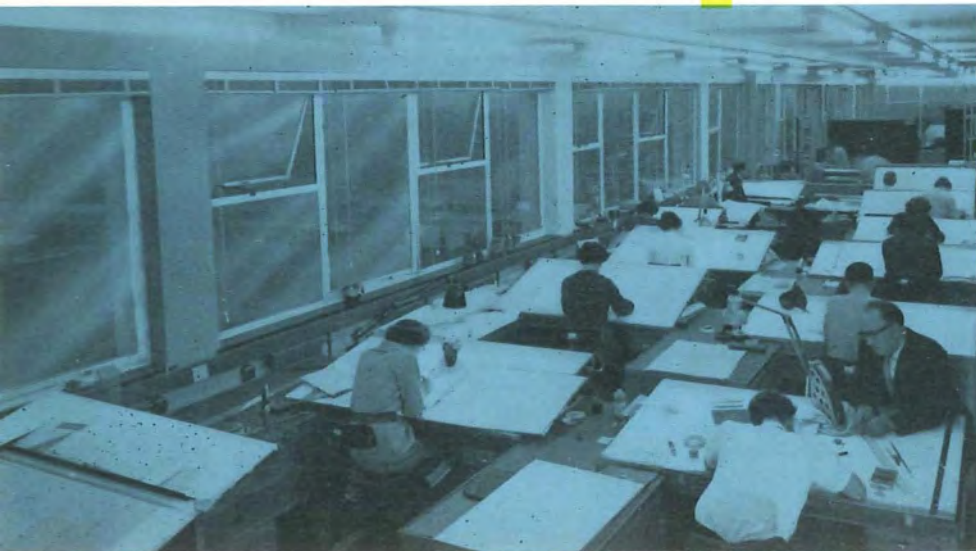


This Department is divided between the Rochester and Borehamwood establishments of the Company, being administered from Borehamwood where the Departmental Manager is based.

The address at Borehamwood is:—

Elliott Brothers (London) Limited,
Technical Publications Department,
Manor Way,
Borehamwood, Herts. Telephone: ELSTREE 5484

The work of the Department covers every aspect of technical publications, from writing, illustrating and producing simple data leaflets to comprehensive maintenance and overhaul manuals for complex equipment such as aircraft flight control systems and inertial navigators. These publications are produced to the requirements of the Air Technical Publications Branch of the Ministry of Supply, the Air Registration Board, the Air Transport Association of America Specification No. 100, or to individual customer's specifications. All manuals are supported by an Amendment and Bulletin service.



The Department also deals with the editing and production of technical specifications, research and development reports, progress reports and instruction books for Ministry and Company requirements, and this service is available to customers who wish to take advantage of it. Further services within the Company are the design of exhibitions and displays, industrial design and the preparation of proposals, advertising matter, sales leaflets and brochures which can be undertaken at any stage and seen through to publication. Supporting personnel include a large staff of Technical Illustrators, Circuit Layout Artists and Tracers, capable of producing any type of illustration in line, half-tone or colour.

Repair and Overhaul Department

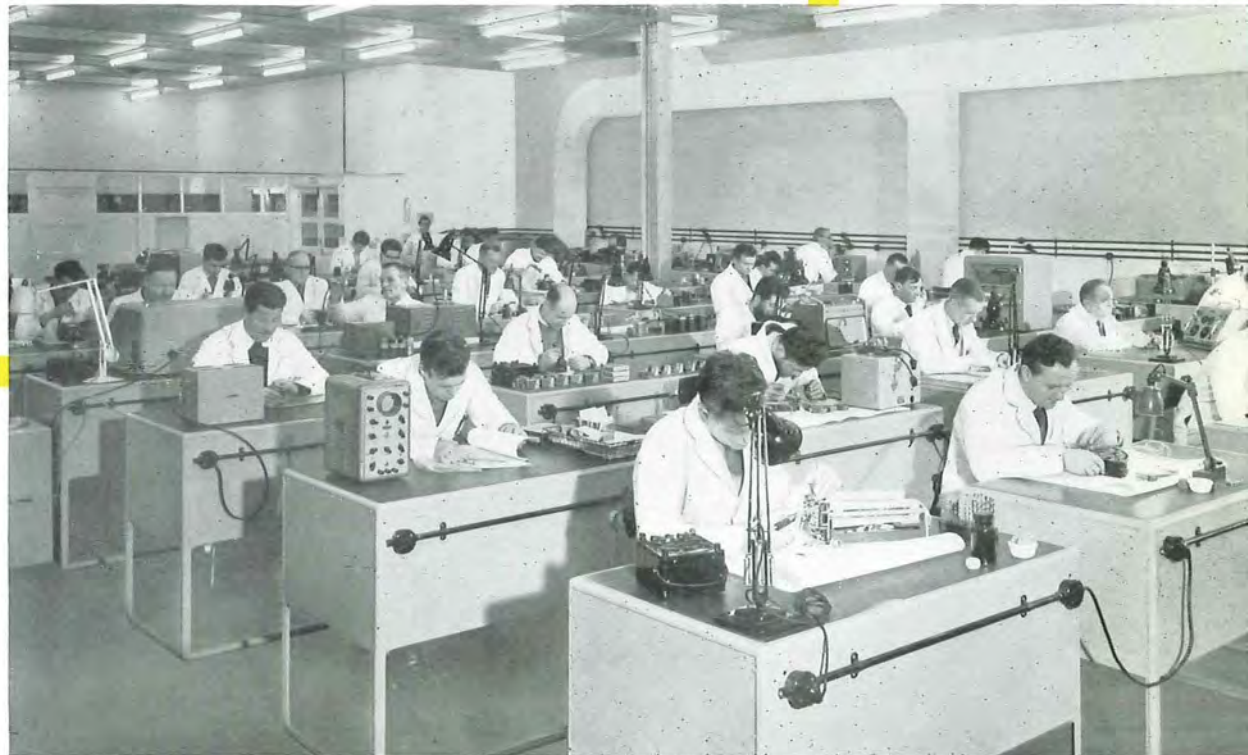
Manager : Mr. G. Townsend

The Repair and Overhaul Department is equipped to deal with all aspects of servicing electrical, electronic, mechanical and electro-mechanical equipment. The Department's large, modern workshop is fully approved by the Director General of Inspection and is equipped with complete test facilities manned by experienced operators.

Although primarily dealing with Company products, the Department also has full approval to carry out repairs and overhaul on Bendix aircraft equipment, including the PB-20 Automatic Pilots with associated Flight Director and Polar Path Compass Systems, Fuel Flow measuring equipment and general power plant and airframe instrumentation. Warranty investigations can be undertaken on all components of these equipments in conjunction with the Divisional Inspection Department.

The Department is organised so that its future expansion programme will enable it to deal with equipment covering even wider fields than those allied to the aircraft industry.

Repairs and overhauls are completed in the minimum time to ensure that aircraft are not grounded for longer than necessary. This is greatly facilitated by our spares holding policy, which also reduces overhaul costs to the customer.



Inspection Department

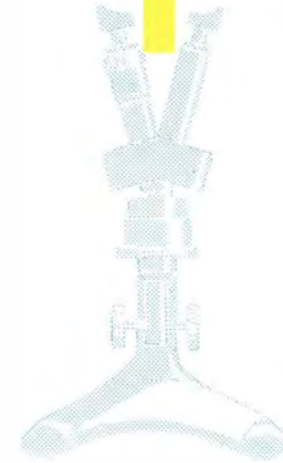
Chief Inspector : Mr. K. C. Tuckwell

The primary function of this Department is to ensure that customers receive what they order and are satisfied with the quality of all equipment consigned to them.

The Department works in close co-operation with the Repair and Overhaul Department, the Supplies Department and the Field Service engineers. In addition, the Department establishes resident inspectors for the Division's workshops and supervises the Inspection Authority for Field Service engineers.

The Department takes final responsibility for the incorporation of modifications during repair and overhaul and quality of workmanship. Responsibility is also accepted for warranty investigations.

The technical approval for the Division as a whole by the Air Registration Board, the Director General of Inspection and the Federal Aviation Authority is vested in this Department through the Chief Inspector.



Supplies Department

Manager : Mr. E. G. Wallis

This Department holds all the spares for the Division and compiles spare parts lists in conjunction with the Technical Publications Department.

An adequate range of breakdown spares or piece parts is maintained to meet the requirements of the Repair and Overhaul Department; at the same time adequate stocks are held to satisfy demands from customers who have their own repair and overhaul facilities.

The formalities of Goods Receipts, Quarantine, Serviceable Stores, Stock Records, Packaging and Despatch are carried out according to the procedure laid down by the Air Registration Board, the Director General of Inspection and the Federal Aviation Authority. A road collection and delivery service is operated principally between the Divisional Headquarters and London and Gatwick Airports, but this arrangement is extended to include other airports when required.



Technical Services Department

Manager : Mr. H. Milroy

TECHNICAL TRAINING

The Technical Training School at the Divisions' headquarters at Rochester trains customer's personnel in the general theory, line maintenance and overhaul of equipment supplied by the Company. All the instructors are qualified engineers selected for their teaching ability.



At the end of each course an examination is held and a certificate of competence is awarded to each successful candidate. A detailed progress report can be submitted on request, enabling the sponsor to assess his student's ability and potential.

The present curriculum includes Elliott systems installed in supersonic aircraft; automatic pilots with associated instrumentation and the Company's air data and fuel-flow measuring equipment. It is now proposed to extend this curriculum to cover the complete Flight Control System under development for the Vickers-Armstrongs VC. 10 and Super VC. 10 aircraft, and to cover Inertial Navigation and associated simulator equipment.

The Training School has designed and built a range of visual training aids for its own use which are also available for sale.

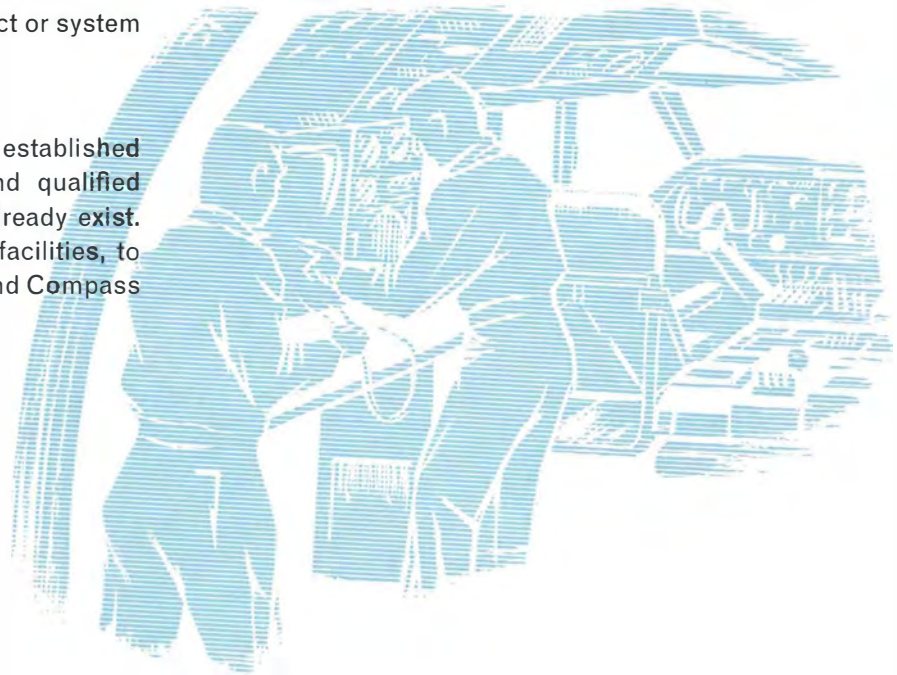


FIELD SERVICE ENGINEERING

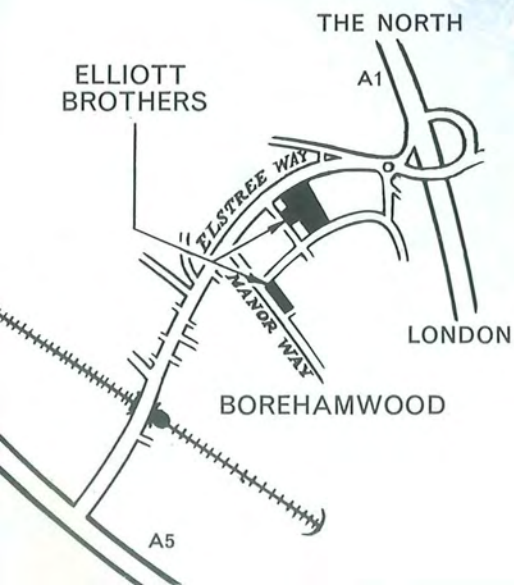
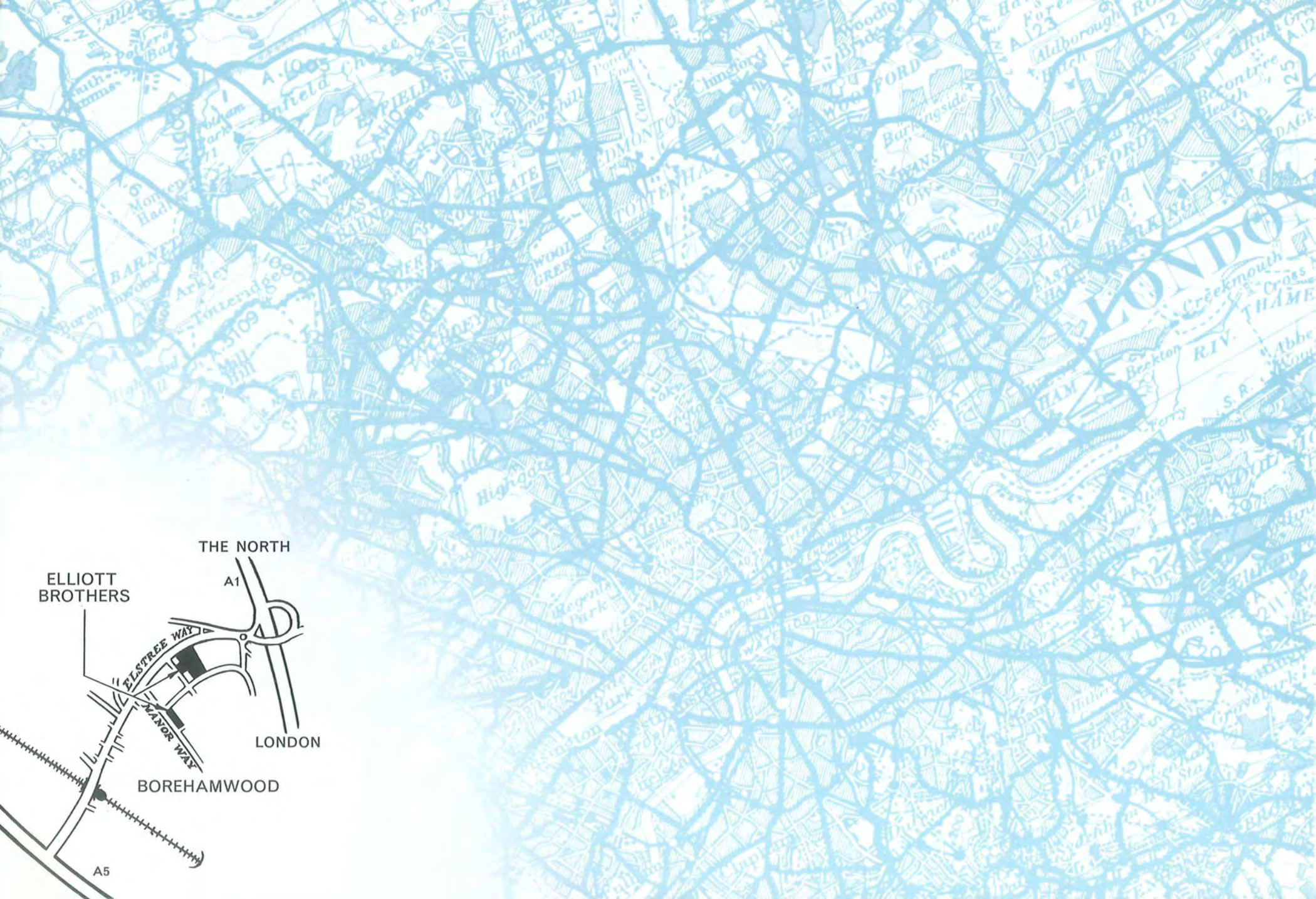
This service gives technical aid, advice and information on equipment supplied by the Company. The equipment may be designed and manufactured by the Company or by associate organisations with whom we have licensing agreements.

Field representation in the United Kingdom is arranged by the establishment of centres, usually at an Aircraft Constructor's site or Aircraft Operator's main base where constant coverage is required. Routine visits are made to other sites by engineers who are qualified to deal with any particular project or system and who are always available "on call".

For the benefit of overseas customers similar centres have been established in conjunction with local organisations in certain countries, and qualified engineers are available on request where these facilities do not already exist. Licensed Service Engineers are available, together with workshop facilities, to deal with the PB-20 Automatic Pilot and associated Flight Director and Compass systems as fitted in Boeing 707 aircraft.







ELLIOTT
BROTHERS

THE NORTH

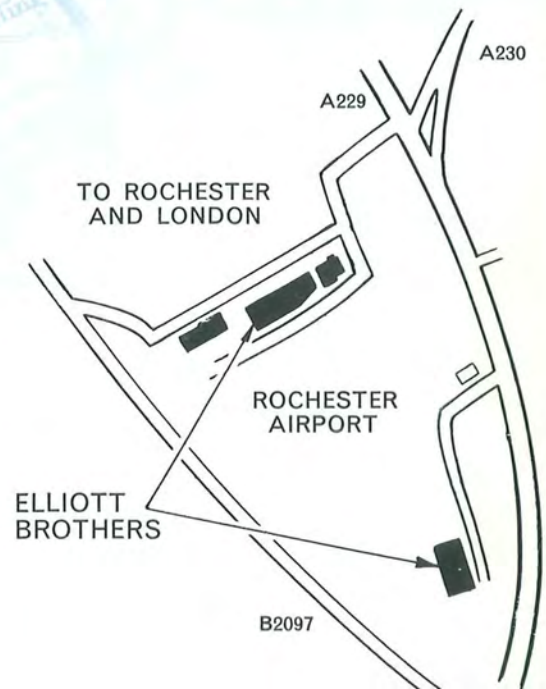
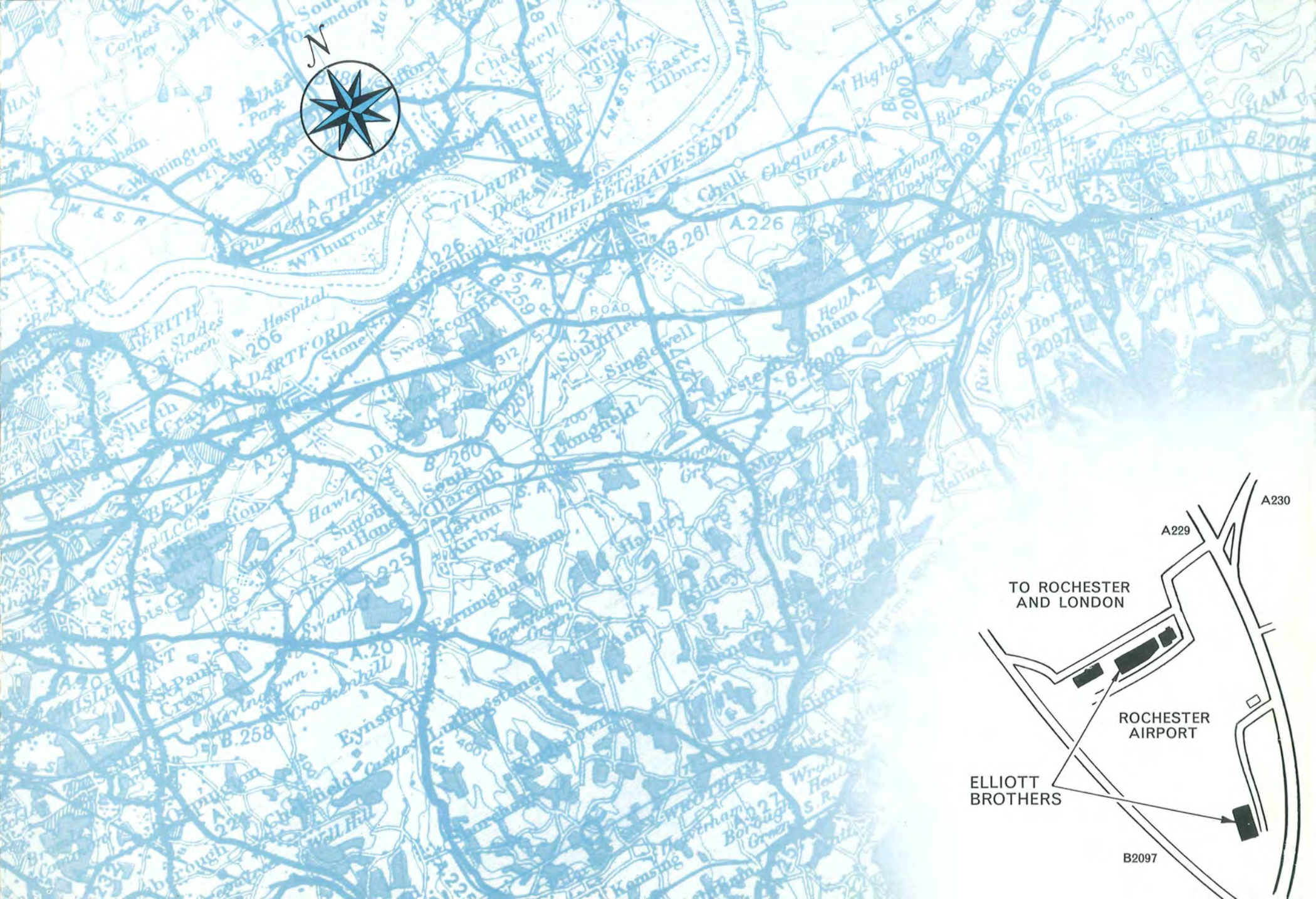
A1

LONDON

BOREHAMWOOD

A5

ELSTREE WAY
MANOR WAY





A Member of the Elliott-Automation Group