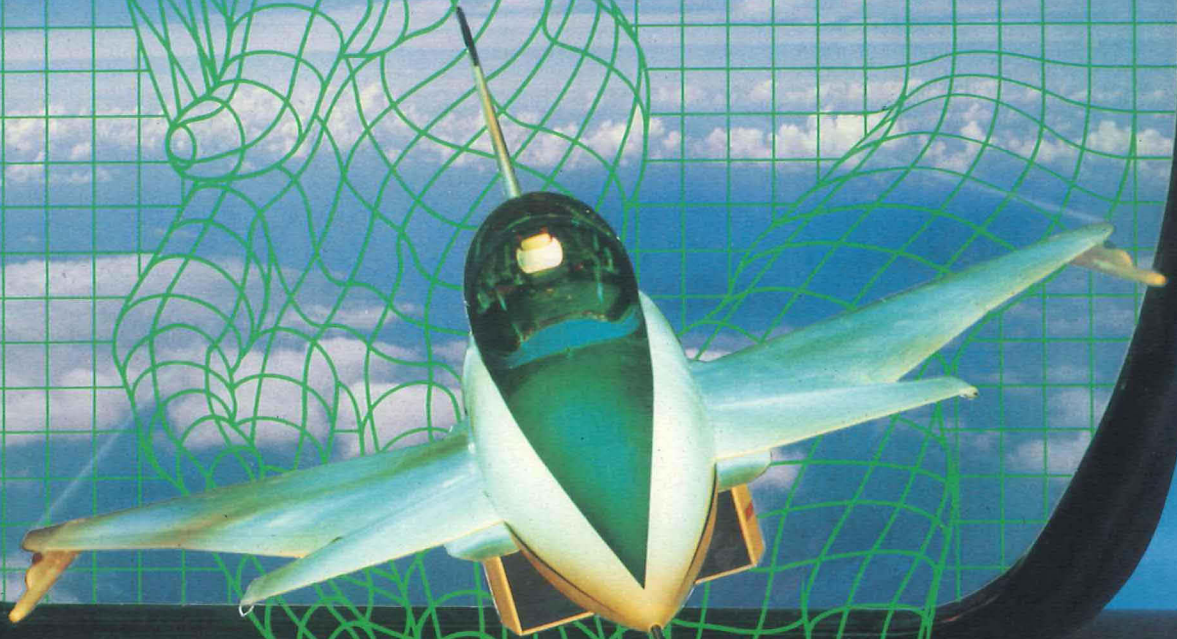


GEC AVIONICS

**Partners in
Advanced Technology**



FLIGHT AUTOMATION RESEARCH LABORATORY

www.rochesteravionicarchives.co.uk

FARL

An international outlook . . .

. . . backed by resources and experience

Flight Automation Research Laboratory (FARL) is a 100 strong organisation with more than 25 years research and development experience in avionics and similarly demanding applications. We are active in international, inter-industrial and multi-disciplinary projects and can offer modern resources for system design, software development, hardware prototype and flightworthy prototype manufacture.

In developing technology for new products and systems we are involved with product Divisions of GEC Avionics Limited, aircraft companies and operators, other industrial organisations, and the research establishments of governments and academic institutions.

As an autonomous Division of GEC Avionics Limited, a leading supplier to world aerospace, we are a centre of excellence with an international outlook.



Current topics include:

Software and Computing

Intelligent Knowledge Based Systems

Data Transmission

Fibre Optics

Guidance and Control

Displays

Man-Machine Interaction

Digital Mapping

Sensors

VLSI Designs

Power Supplies

Actuation

System Architectures

We can contribute as:

*

Consultants

*

Research Partners

*

Programme Managers

*

System Engineers

(Feasibility-Design-Integration)

*

Software and Computing
Specialists

(Design-Evaluation)

*

Hardware Designers

*

Flightworthy Prototype Builders

*

We illustrate just a small part of our work and will be happy to discuss these or new applications. (Contact details overleaf).

▶ **IKBS Development:** FARL has powerful workstations for the design, evaluation and support of software for IKBS and other advanced applications.

▶ **VLSI Design:** MIL-STD-1553B data bus chipset designed by FARL. We are active in MIL-STD-1773, STANAG 3910 and other high speed data bus developments.

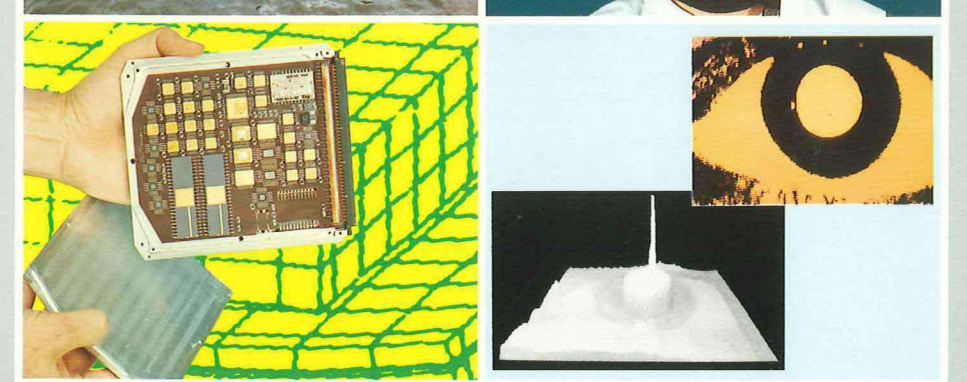
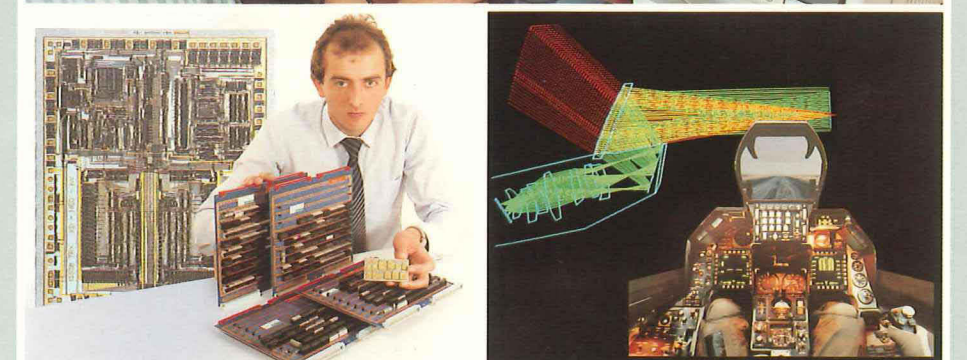
▶▶ **Advanced Optics:** Computer-assisted ray trace of the holographic head up display for aircraft.

▶ **Wide Applications:** Our work is applied from the seabed to space. (Picture shows remotely operated submersible developed in conjunction with OSEL).

▶▶ Binocular helmet-mounted stereoscopic display development.

▶ **Packaging for Harsh Environments:** Environmental design and electronic packaging aim at a variety of conditions which are hostile to conventional equipment.

▶▶ **Man-Machine Interaction:** Advanced work includes determining a pilot's direction of gaze for "hands off" operation.



Our Address: Please write to:

Flight Automation Research
Laboratory,
GEC Avionics Limited
Airport Works,
Rochester,
Kent ME1 2XX.
ENGLAND.

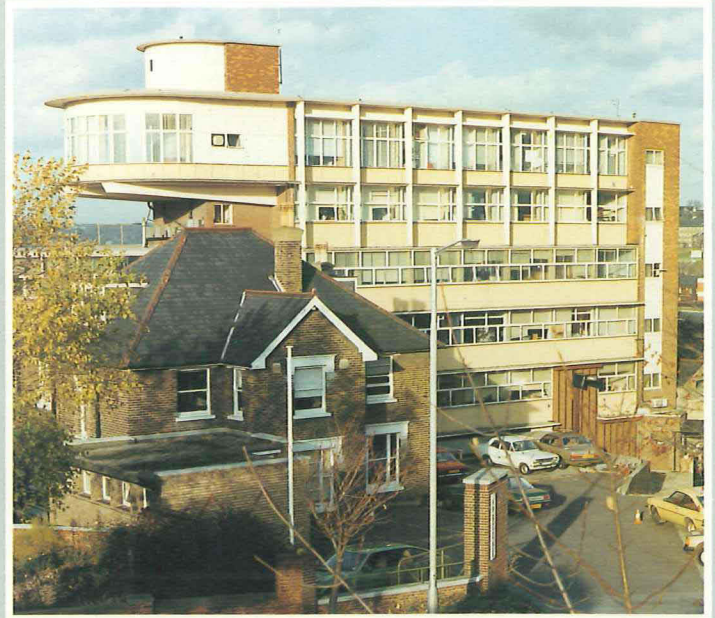
Our Location: We are based 2 miles north of the
Airport Works at
13a New Road Avenue,
Chatham.
Close to Chatham Railway Station.

Easy to reach:

- by rail: Easy walking distance from
CHATHAM station.
- by road: On the A2 London-Dover road
(see map) reached:
via M2 motorway: from junction 3 go
north on A229.
via M20 motorway: from junction 6 go
north on A229.
- by air: Via London (Heathrow) or London
(Gatwick) airports, or (light aircraft)
Rochester Airport
(no charge for our visitors).

To call us: Telephone:
010 44 634 44433 (international)
(0634) 44433 (in UK)
Telex: 965 884
Facsimile: (0634) 813 652

Your local contact:



GEC AVIONICS

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