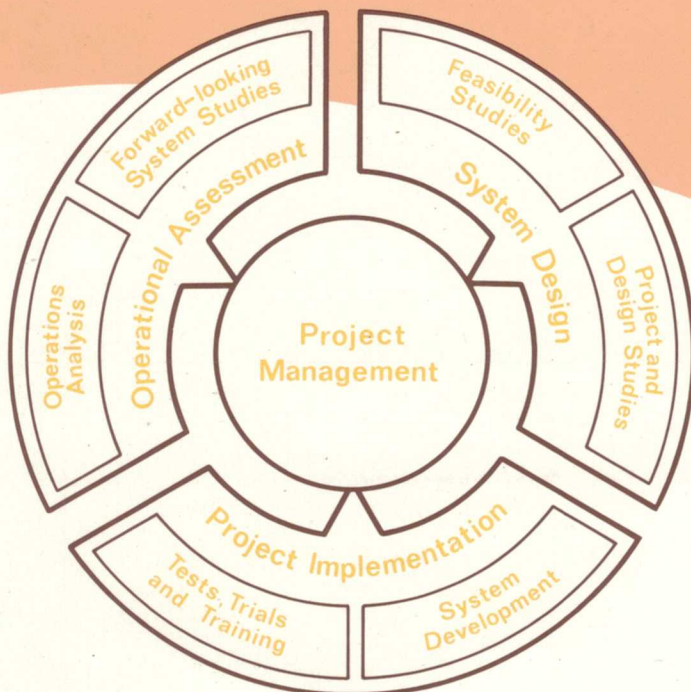# EASAMS'
DEALING ROOM SYSTEMS

THE COMPANY

EASAMS is an independent company within The General Electric Company of England and operates from bases in the United Kingdom, West Germany, Australia and Malaysia. It is a problem-solving, system design and project management organisation. EASAMS Limited (UK) - the original and principal Company - was formed in 1962. Since then the Companies have played major roles in a variety of civil and military projects in many parts of the world, and have established a reputation for professionalism and achievement of objectives.

EASAMS' expertise, though developed and widely deployed in the aerospace and defence fields, has been increasingly applied to a wide range of civil projects such as maritime operations, the harnessing and distribution of energy, command and control systems, and financial information systems. The Companies together have a staff of nearly 900, of whom 600 are professionally qualified. They combine a wide range of disciplines with an in-depth experience in operational assessment, system design, system test and trials, project management and operational support and training. Multi-disciplinary teams, with the specialists committed full time, are assembled to suit the specific needs of each project.

The Companies are not involved in manufacturing and operate a policy of strict objectivity in the specification and selection of systems and equipment, and maintain complete national and commercial security in respect of the client's data and interests.
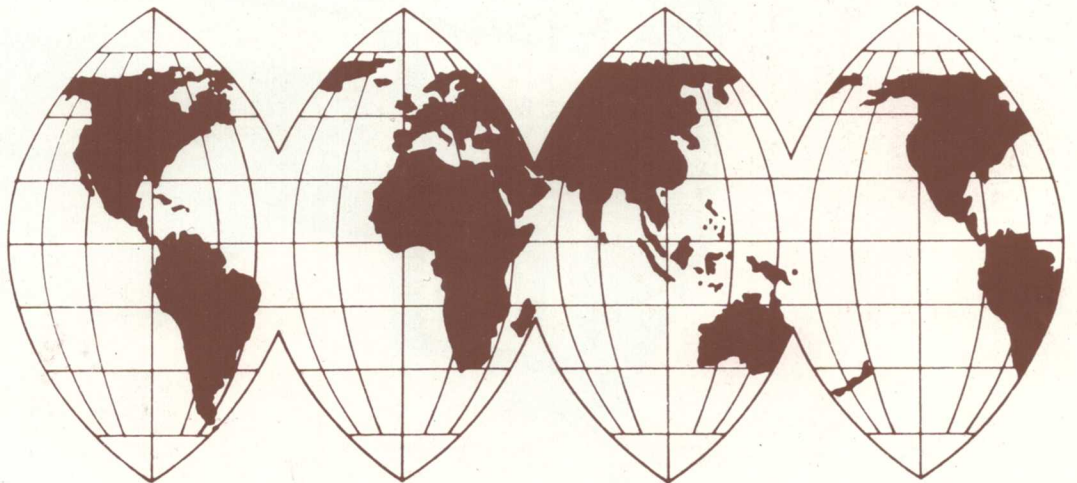
The UK Company, EASAMS Limited, has been registered in the UK by the Directorate General of Defence Quality Assurance as being compliant with Defence Standard 05-21 (Reg. No. 107E01) and can offer quality assurance to British Standard 5750 Part I.

The Dealing Requirement

Dealers in the foreign exchange, securities, commodities and similar markets demand rapid communications with their counterparts world-wide, to be kept in touch with world events and with their own trading positions.
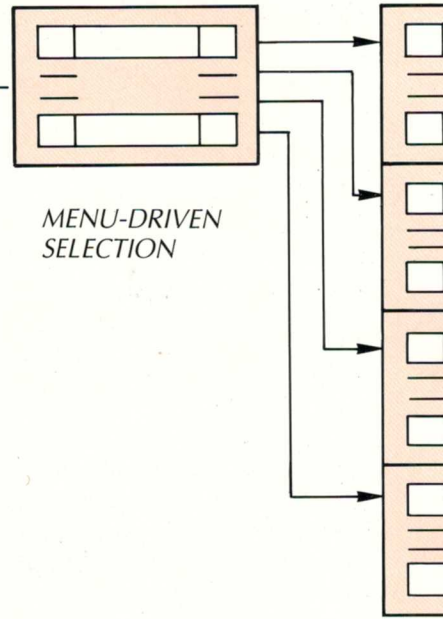
EASAMS' Solution

EASAMS has developed a modular system which can be tailored to the precise needs of the particular application. The system, in service today, has been designed with the user in mind. The fast and easy-to-use communications, the ergonomic design of workstations and the user-friendly interface to the transaction recording system are all a result of thorough examination of the user requirement.

SYSTEM COMPONENTS
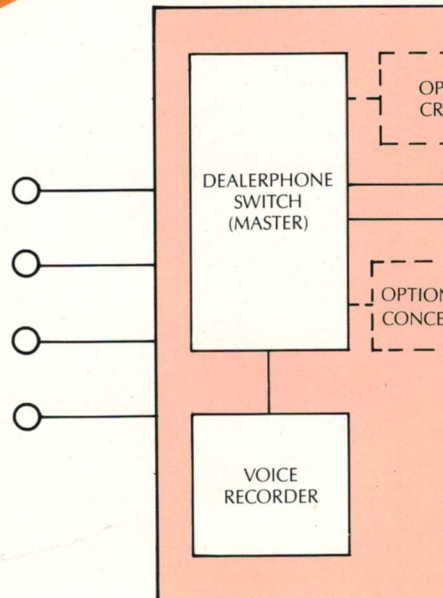
INFORMATION
ENTRY AND DISPLAY
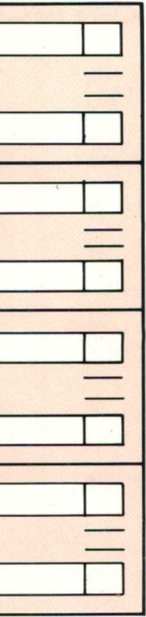
MENU-DRIVEN
SELECTION

CUSTOM-BU
- Communica
- Telephone
- News inform
- Computer t

COMMUNICATIONS

DEALERPHONE
SWITCH
(MASTER)

OP
CR

OPTION
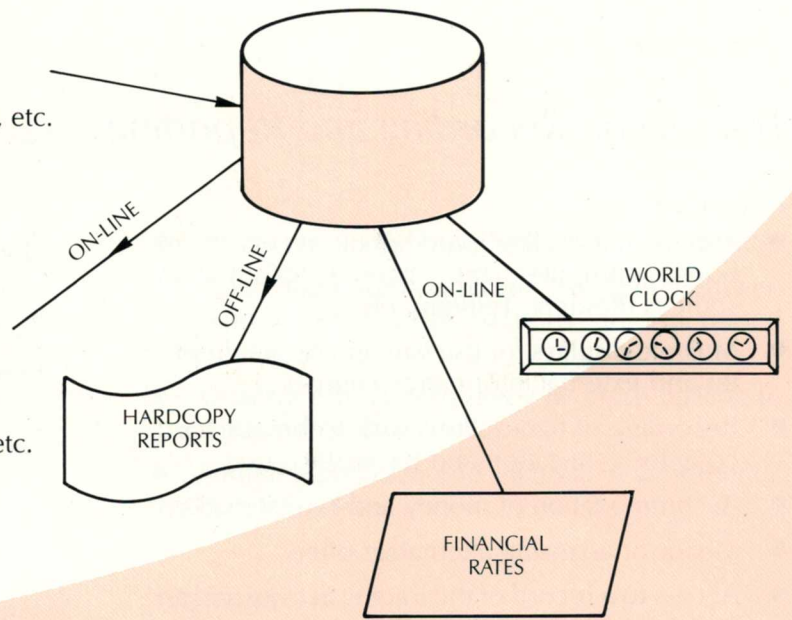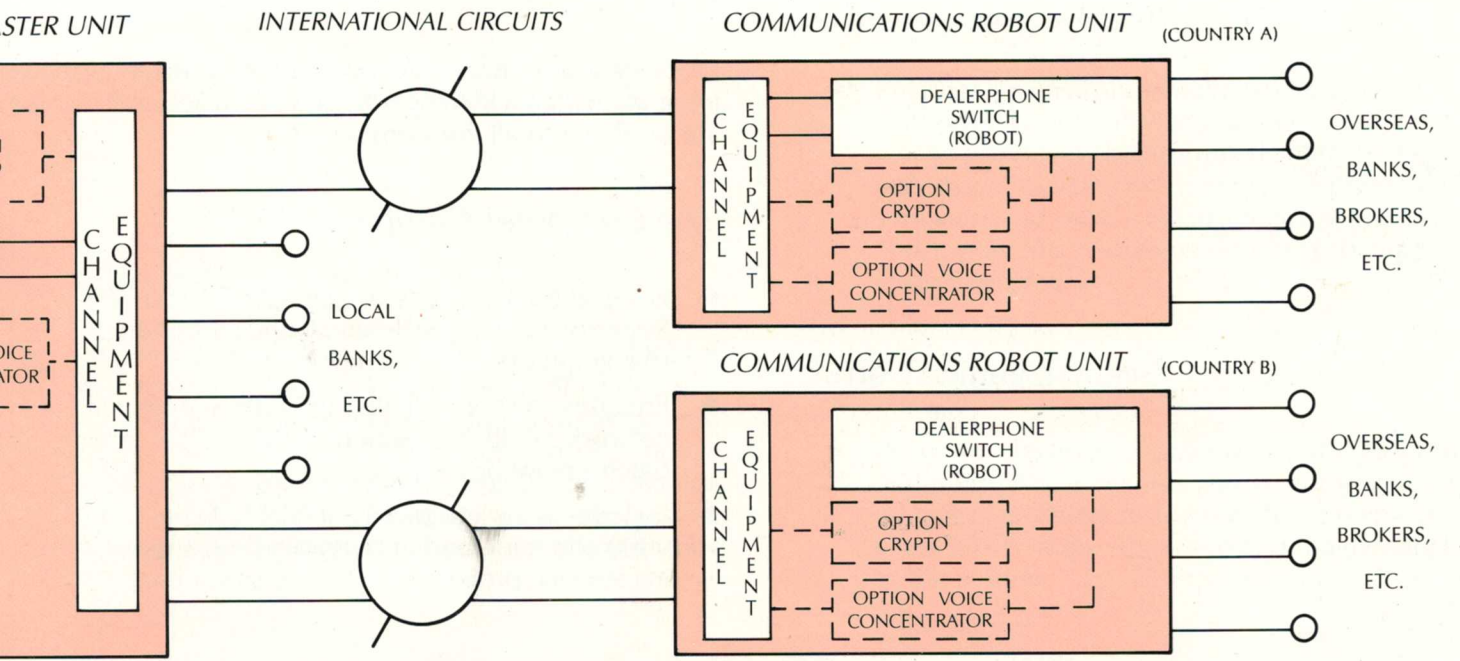CONCE

VOICE
RECORDER

COMMUNICATIONS

1. **TRANSACTION ENTRY**
   - Securities purchases/sales
   - Deposits
   - Inter-account transfers
   - Deposits received/renewed, etc.

2. **CALCULATIONS**
   - Arbitrage
   - SDR basket
   - Bond swap, etc.

3. **ENQUIRIES**
   - Account balances
   - Exposure
   - Foreign exchange deals
   - Deposits placed/renewed, etc.

4. **TELEX**
   - Compile telexes
   - Inspect telexes
   - Release telexes, etc.

ON-LINE

OFF-LINE

ON-LINE

WORLD CLOCK

HARDCOPY REPORTS

FINANCIAL RATES

DESKS

s selection panels
dset
on display
inal equipment

STER UNIT

INTERNATIONAL CIRCUITS

COMMUNICATIONS ROBOT UNIT (COUNTRY A)

CHANNEL EQUIPMENT

DEALERPHONE SWITCH (ROBOT)

OPTION CRYPTO

OPTION VOICE CONCENTRATOR

OVERSEAS,
BANKS,
BROKERS,
ETC.

CHANNEL EQUIPMENT

OICE ATOR

LOCAL
BANKS,
ETC.

COMMUNICATIONS ROBOT UNIT (COUNTRY B)

CHANNEL EQUIPMENT

DEALERPHONE SWITCH (ROBOT)

OPTION CRYPTO

OPTION VOICE CONCENTRATOR

OVERSEAS,
BANKS,
BROKERS,
ETC.

Transaction Recording and Reporting

Features

- Programmable keyboard giving access to in-house computer and external information sources (Reuters, Telerate, etc.)
- Multiple displays for use with in-house computer and external information sources
- Recording of transactions with automatic hard copy for verification and back office use
- Accommodation of money and capital markets
- Means of assessing alternative offers
- Access to a record of the trading activity and an up-to-date summary of the current trading position
- Automatic generation of telexes from transactions recorded on the in-house computer
- Computer-controlled access to the public telex network from the workstations; hardcopy of incoming and outgoing telex messages
- Hardcopy report feature selected from the workstation and/or invoked automatically at a predefined time of day, with the capability for selection of the content and layout of a report at the workstation.

Typically, reports include information concerning the following:

- Exposure (by currency, centre, maturity period)
- Programme status (deposits, foreign exchange)
- Receivables (income from coupon/maturity payments)
- Investment in securities (by maturity period)
- Bank limits
- Account balance
- Transaction summary
- Portfolio funding status.

- Display of the time at selected trading centres throughout the world, together with visual indication of when these centres are open for trading
- Display of the financial rates (currency exchange rate and deposit rate) for various currencies on large electronic displays
- Means of introducing a programme of work or modifying an existing programme
- The ability to update reference files such as the counterparty details, telex numbers, etc.
- Display of messages of general interest on large electronic displays within the Dealing Room.

Supporting Services

Our specialist teams are provided with extensive supporting integration area, a training school, a publications department are available to all the Companies.

The Computer Complex

- Is based on the powerful CDC CYBER 180-810 System with multiple terminals and comprehensive graphics
- Provides terminal links to GEC's national network of IBM computers for on-line and batch operations
- Includes a variety of DEC PDP11, VAX, GEC 4000 and mini- and micro-processors supporting specific projects.

Communications

Basic Features

- Push-button microprocessor-based technology
- Modular construction enabling the system to be tailored to suit the particular requirement
- Optimisation of costs - the cost of international circuits can be shared by several branches
- Fast access to communications at international, national and local level
- Full local control of the communications system - incoming calls do not seize expensive communications channels until they are answered at the workstation
- Indications at all workstations of distant terminal calling
- Dual multi-channel voice recording with rapid search facility
- Hands-free intercom to other dealer workstations, including privacy option and broadcast facility
- Multi-way conferencing
- Multi-address programmable autodialler

- Fast access to in-house PABX and all its facilities
- Fully duplicated signalling channel between master and robot stations for increased reliability
- Dual tone multi-frequency or pulse dialling to suit local requirements
- Simple installation and minimal environmental requirements.

Options

- Selectable secure speech operation (cryptographic facility)
- Speech concentration facility to utilise expensive international channels more efficiently
- Simultaneous low-speed data available over speech channels
- Comprehensive call-logging facilities
- Traffic and utilisation statistics
- Loudspeaker systems.

acilities. They include a computer complex, test and and a library. Though located at EASAMS UK, they

The Publications Department

- Provides professional staff and the facilities for the preparation and publication of all forms of project documentation and operating and maintenance manuals, in support of in-house projects or directly to clients. The service includes technical writing, word processing, editing, design drawing, graphics, photography and printing.

The Test and Integration Area

- Provides an environmentally controlled facility supported by a small workshop where systems can be progressively assembled, integrated and tested prior to delivery. Test rigs, computers and simulators are used in the resolution of interface and ergonomic problems and for proving the computer programs.

The Training School

- Provides classrooms equipped with modern audio-visual training aids and senior engineers who are qualified instructors for training the client's staff in the operation and maintenance of the system.

*For further information contact
the Marketing Executive:*

*EASAMS Limited,
Lyon Way, Frimley Road,
CAMBERLEY, Surrey,
GU16 5EX, ENGLAND
Telephone: Camberley (0276) 63377
Telex: 858115
Fax: 0276 683468*

*International
Telephone: 44 276 63377
Fax: 44 276 683468*