



## Drumgrange Ltd Company Profile

Drumgrange is a thriving, independent, privately-owned, UK technology company operating in the Defence and Security industry, providing design, development, manufacture and through-life support capabilities for electronics and communications systems in the Maritime and Land domains.

We operate across four business streams: Maritime Mission Systems; Maritime Communications; Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR); and Innovation and Consultancy.

### Maritime Mission Systems

- Sonar Systems & Signal Processing
- Acoustic Signature Monitoring Systems
- Position & Precision Timing Systems
- Data Acquisition, Distribution & Networking
- Special to Type Test Equipment
- Maritime Installation & Maintenance Services
- Sea Trials & Sonar Calibration

### C4ISR Systems

- Shared Situational Awareness (SSA) and Platform Integration
- Communication and Information Systems
- Training and Simulation
- Integrating systems with systems; software, hardware, bearers, platforms, and people.

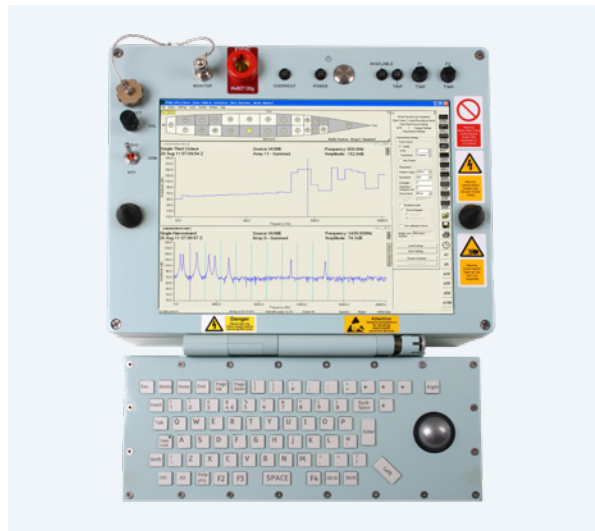
### Maritime Communications

- World-class niche technology developed over 40 years
- Equipment spanning the submarine communications chain
- NATO STANAG 4724/5030 compliant products
- Studies and technical support to nations wishing to develop VLF communications capability

### Innovation and Consultancy

- Engineering & Technical Studies
- Research & Development
- Computer Modelling & Algorithm Development
- Technical Demonstrators





*HVME Display*

## Maritime Mission Systems

Drumgrange develops bespoke systems, equipment and software for naval applications, specialising in complex, high performance solutions to meet demanding functional, environmental, shock and information assurance requirements.

Examples include:

- Active Intercept & Surveillance Sonar Processing
- Hull Vibration Monitoring Equipment
- Digital Data Acquisition & Sensor Systems
- Video Processing & Storage Systems
- Precise Time & Frequency Equipment (Caesium and Rubidium)
- Military GPS acquisition & distribution solutions (Navfix)
- Open Architecture software applications
- Embedded software solutions



*Navfix*

## Maritime Communications

Drumgrange has been involved in VLF Submarine Broadcast Communications around the world since the 1980s, supplying transmitter, platform, and HQ equipment conforming to STANAG 4724 and the latest STANAG 5030 standards.

Examples include:

- Transmitter sites: Keystream Processors, Modulators, Demodulators, OTARM EOW, Caesium PTFE
- Platforms: Demodulators
- HQ Sites, MCTCC, OTAM, EOW, Closed Loop Test Facility, Bearer Multiplexer Units
- Extensive reference systems and test facilities

Current products include:

- MSK VLF Single or Dual Demodulator System
- MSK VLF Dual Modulator Sub-System
- MSK VLF 3003 E Single 1U Demodulator (developed in collaboration with Hagenuk Marinekommunikation as the OEM)



*MSK VLF Single or Dual Demodulator System*



*MSK VLF Dual Modulator System*



*Walk-On-Fit*

## C4ISR Systems

Drumgrange specialises in the tactical multi-domain integration of C4ISR Shared Situational Awareness (SSA) capability, integrating systems with systems, with bearers, with software, with platforms, and with people. Our expertise focuses on delivering a full comprehensive capability, ensuring that all the systems work seamlessly.

Examples include:

- Walk-On-Fit (WOF), SSA capability suitable for small boats and vehicles
- Gold-level UK reseller of Milestone
- Video Management Software (VMS)
- ComSim Product Range, a highly versatile communications training solution that allows for safe RF training in live, virtual, or constructive environments
- Diamond Intercom and Radio Combiner System, providing clear, reliable communication in the harshest of environments. Ideal for fast boats, patrol vehicles, and coast guard



*Diamond Intercom & Radio Combiner System*



*Algorithm Development*

## Innovation and Consultancy

With innovation at the heart of the Company mission, Drumgrange strives to develop new products, find novel solutions and improve upon existing capabilities by building on the momentum from previous years.

In addition to engineering services, Drumgrange also offers consultancy services to conduct:

- Technical Studies
- Research & Development
- Computer Modelling & Algorithm Development
- Technical Demonstrators

Scan the QR code below to view and download our product datasheets



# Key Facts and Figures

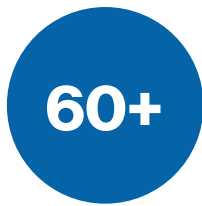
Since its establishment in 1979, Drumgrange has maintained its organic growth to become a thriving small-medium enterprise with over 140 employees spread across two sites in Chertsey and Portland.

The Chertsey site serves as the Head Office, principally responsible for system engineering, product development, and support, and the Portland site is primarily focused on system integration and in-service support.

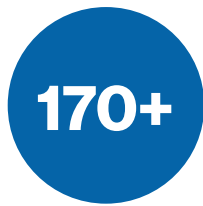
We are a proud recipient of the Defence Employer Recognition Scheme Silver Award, having first signed the Armed Forces Covenant in 2015 to demonstrate our support to the Armed Forces Community.



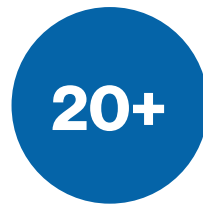
years of experience



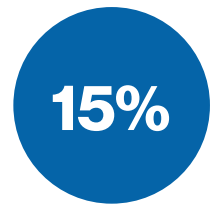
current projects



employees



organisations supported



employees are ex-Forces



Testing & Assembly

## Areas of Expertise

- Prime contract management
- System engineering and integration
- Electronic hardware and PCB design
- Software development including real-time embedded
- Mechanical design (AutoCAD and Inventor)
- Simulation and modelling (Matlab and Simulink)
- Documentation and technical publications including handbooks
- Safety management, safety case production and Independent Safety Advisor
  - In-service Support
  - Integrated Logistics Support (ILS)
  - Contractor Logistics Support (CLS) and Contracting for Availability (CFA)
  - Post Design Services (PDS)
  - Obsolescence Management and Resolution

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