

Communications Systems



Drumgrange offers a wide range of expertise in the design, manufacture and integration of communications systems and related technologies for particularly demanding environmental, EMC and ARM requirements.

DATA LINKS

Airborne and transportable data link systems, including custom and NATO (Link 11/11B) protocols.

VLF COMMUNICATIONS

Modulators, demodulators and other specialised products to support long range transmission of LF and VLF signals to ships and submarines.

TELECOMS

Turnkey systems, including bearers, distribution and switching. Includes installations for the RAF in Cyprus.

EMC ENGINEERING AND TEST

Expert engineering assistance and comprehensive EMC test facilities to customers for new and established products and systems.

VHF/UHF RADIO

Transceivers and ancillaries covering the military and commercial Ground-to-Air frequency bands.



COMMUNICATIONS MONITORING, DF AND EW

Monitoring, DF, signal analysis and automated EW systems covering the frequency range 1.5 MHz to 2 GHz

CRYPTO INTEGRATION/TEMPEST ENGINEERING

Hardware and protocol integration of crypto equipment into a wide range of radio and line communications systems

MOBILE / TRANSPORTABLE SYSTEMS

Ruggedised, fully integrated communications and data handling systems for use in severe environments

COMMUNICATIONS STTE

Special to Type hardware and software based Test Equipment



Drumgrange has designed, developed and put into service a range of innovative communications equipment, systems and test gear that meets full military, and in some cases, TEMPEST specifications.

Communications Systems

DDR3I - VLF/LF Multi-mode Transmitter Drive Unit

10-160 kHz, MSK1, 2, 4, FSK, OOK.
Includes remote control and automated antenna fine tuning.
In service with NATO and other countries.

DDM311 - MSK/FSK Demodulator System

1 to 6 channels of MSK 1, 2, 4 and FSK demodulation.
Compact rack mounted unit.

DX500 Series - VHF/UHF Ground to Air Transceivers.

Covers civil and military airbands. Channelised and discrete frequency tuning. Includes pre-selector and HP amplifier options.

DMC510 - VHF/UHF Receiving Antenna Multi-Coupler

2 in (selectable), 8 out with high dynamic range.
Covers 20-1200 MHz range.

DTS200 Series - Precise Time and Frequency Standards

Ultra-reliable, independent units, capable of maintaining high stability for missions in excess of 45 days without access to primary time source

DDX100 Series - Digital Voice and Data Exchanges

Building block for digital, damage resistant, nodal communications systems for voice, data, control and mixed applications.

“We design, develop and manufacture innovative products and are also experts at integrating existing technology to create successful, cost effective solutions.”



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Approved to BS EN ISO 9001: 2000 and TickIT