GRiD

GRiD DEFENCE SYSTEMS

RUGGED CONFIGURABLE COMPUTING

CONTENTS

COMPANY OVERVIEW

Founded
1993

Location
UK

Servicing
Military and Aerospace
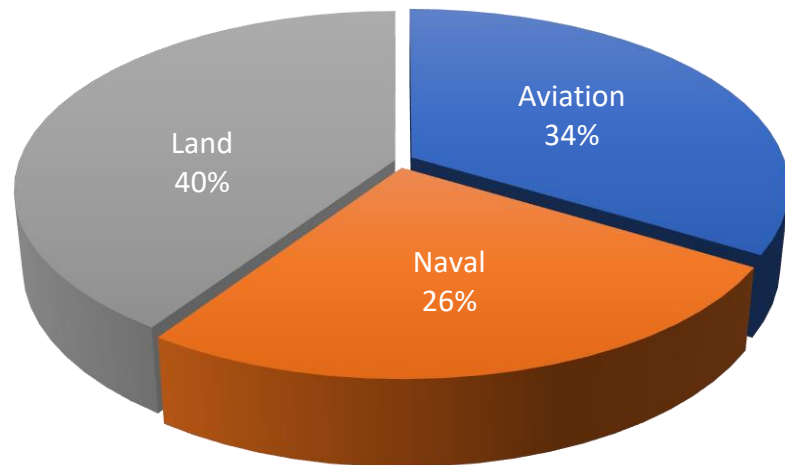
Products
Laptops, Tablets and Processors

UK owned and UK based, GRiD Defence Systems provides Rugged Laptops, Tablets, Processors and Accessories to the Military and Aerospace industries.

Our products are custom configured to suit individual project requirements, allowing us to incorporate any interface or connector into our devices.

OUR APPLICATIONS

AVIONICS

ATEX and TEMPEST Rugged Laptops, Tablets and Servers for use on the flight-line and in-air applications.

Utilizing 1553, ARINC 429 or STANAG 3910 Databus' and completely configurable peripherals, our products provide a fully qualified, direct link to any aircraft.

LAND

Portable, man-worn Rugged Hardware for use in the deployed environment.

We manufacture hand-held Computers and Tablets with low EMC profiles to run Situational Awareness, Reconnaissance, Surveillance, Targeting and Force Protection applications.

MARITIME

Fully-sealed, Rugged Laptops, Tablets and Servers for use both Above and Below Decks on Submarines, Surface Ships and RIBs.

Qualifed to EMC and Environmental standards for defence, our product range is resistant to Salt Fog whilst fully Sunlight readable in bright light.

VEHICLE

Fully-sealed, qualified, Rugged Laptops, Tablets and Servers for in-vehicle and quick-deploy applications.

Designed with no moving parts, our lightweight Tablets and Laptops include quick release Military Circular Connectors and are easily dismountable.

TESTING

Rugged Test and Measurement Computers with the ability to integrate multiple Expansion Cards.

All housed within a fully sealed single chassis and wired to your choice of rugged connectors on the rear panel of the Computer.

PRODUCTS OVERVIEW

All of our products are built to survive the harshest environments, maintaining quiet EMC profiles and full environmental qualification.

Each product is configurable and is tailored to include the connectors, interfaces and expansion cards required to suit each individual customer specification. This MOTS (Modified Off the Shelf) approach allows our hardware to be integrated onto both new and established platforms without the need for bulky expansion boxes or unnecessary additional peripherals.

- **RUGGED LAPTOPS**

- **RUGGED PROCESSORS**

- **RUGGED TABLETS**

- **RUGGED ACCESSORIES**

RUGGED LAPTOPS

Our fully rugged Laptop range starts from a 5.6" Display and goes all the way up to a 19" Display to suit multiple applications.

- Fully Customizable Connectors and Interfaces

- TEMPEST and ATEX Qualified Devices

- Windows and Linux Operating Systems

- Sealed to IP68/IP67

- Removable & Encrypted Hard Drives

RUGGED TABLETS

Our fully Rugged Tablet range starts from a 5.6" Display and goes all the way up to a 15" Display suitable for hand-held or mounting applications in the vehicle, cockpit or control room.

- Fully Customizable Connectors and Interfaces

- Single and Multi-touch Resistive Touchscreens

- Windows and Linux Operating Systems

- Sealed to IP68/IP67

- Removable & Encrypted Hard Drives

RUGGED PROCESSORS AND SERVERS

Our fully Rugged Processors provide robust processing capability within a fully sealed aluminium chassis suitable for TEMPEST Environments.

- Fully Customizable Connectors and Interfaces

- Built-In Expansion Capabilities

- Easily Mountable in Standard Server Racks, Naval Vessels, Aircraft or Passenger Vehicles

- Removable & Encrypted Hard Drives

- Capable of Interacting With Legacy Interfaces

RUGGED ACCESSORIES

Our range of Rugged Accessories provide the complete solution alongside our Military devices.

- Custom Tailored, ATEX Safe Hard Transit Cases

- Customised Soft Carry Cases with Sun Hoods and External Webbing for Vehicle/Man Fixings

- Mil-Spec Interface Cables and Power Cables

- Weatherproof Mice

- Rugged Battery Charging Bays

WHY GRiD

CONFIGURATION CONTROL

GRiD are the Original Equipment Manufacturer (OEM) for all GRiD Products.

We have full control over the product design and the way in which units are manufactured, allowing us to accommodate specific requests during the design and build phase.

All of our equipment is built in the UK.

LONG TERM SUPPORT

We know that having long life products is important, and the ability to support them even more so, that's why we are able to provide support for devices for 20+ years.

We can actively manage obsolescence and provide mid-cycle upgrades and repairs to devices, often using the same parts it was originally built with.

COMPLETE SOLUTION

We don't just build rugged devices. We provide a complete solution for your projects.

Alongside our Military Computers, we provide Rugged Transport Cases, Military Cables and a Full Qualification Service to ensure that you can receive your complete requirement from a single source.

KEY PROJECTS

- CGI: Mortar Ballistics Calculator - FCBISA

- Rockwell Collins: Firestorm End User Terminal

- Leonardo: MSTAR Radar US Border Protection

- Astronautics: A400M AMAT

- DOD: Warner Robbins AFB - Missile Test Equipment

- General Dynamics: Vehicle Tablet - BMS

- BAE Systems: Combat System

- OSI: Situational Awareness Laptop

- MBDA: Common Missile Test Set Terminal

THANK YOU
FOR YOUR ATTENTION

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See Also:

💻 www.griduk.com

👥 GRiD Defence Systems LinkedIn

"GRiD Defence Systems have supported CGI UK Limited in the supply, maintenance and repair of the GRiDCASE 1510 which is used as the Indirect Fire Ballistics Calculator as part of the Fire Control Application for the UK MOD. In 2013 Over 550 units and Accessories were supplied and are still being supported by GRiD. During this time GRiD have supported CGI in repairing any damaged GRiDCASE 1510s in contracted short turnaround times, managing obsolescence issues that may arise over the warranty period and, when a requirement arises, supplying additional hardware to the exact same specification as supplied originally.

GRiD have supplied Maintenance Packs to MOD Donnington so that minor repairs can be carried out by the User. GRiDCASE 1510 Spares are stored in a Bonded Store onsite at GRiD to ensure 4th Line Repairs are turned around as quickly as possible.

GRiD have been supportive, professional and easy to deal with in all aspects of our contract. The end user "is over the moon" by the performance of the GRiDCASE 1510."

Spike Bell
CGI UK LTD