

Is it still possible to acquire rugged monitors and computers designed and manufactured entirely in the UK that can withstand the harshest operational environments?

For us at Bluestone Technology Ltd, the answer is a firm yes. Since 2002, we have been the UK's leading manufacturer of industrial and military-grade rugged LCD monitors and computers.



Our mission is simple: deliver rugged systems that perform flawlessly under extreme conditions—from frontline deployments and naval operations to lifeboat missions.

At the core of our success are the values we place on UK-based engineering innovation and quality. Our products are designed, developed, and engineered entirely in-house. By retaining full product control, we guarantee precision, reliability, and rapid support—a critical advantage when operational failure is not an option.

Our rugged, fully sealed, weatherproof, and sunlight-readable monitors and computers are purpose-built for extreme conditions—military deployments, naval missions, aerospace operations, industrial systems, and lifeboats.

We also engineer intelligent mounting systems, consoles, and cabling solutions for seamless integration, all designed and manufactured here in the UK.

Our agile UK-based engineering process ensures designs meet exact operational requirements. In-house design and modelling teams produce both outline drawings and 3D models, guaranteeing smooth integration into existing systems.



Manufacturing is a strategic advantage. Partnering with specialist UK-based CNC machinists, we ensure every casing and component meets strict military and industrial standards. Assembly is performed entirely at our UK facilities, guaranteeing reliability, precision, and full product control over every system.

Quality assurance goes far beyond assembly. Our equipment undergoes rigorous testing to meet military and commercial standards, including electromagnetic compatibility (EMC) tests and environmental trials simulating shock, vibration, humidity, and extreme temperatures. Standards such as Def Stan 59-411, EN 60945, and DO-160 are routinely met or exceeded.



EMC Testing
As specified by the customer
- military / commercial.



Environmental Testing
Including climatic conditions,
shock and vibration.

Our equipment has proven itself across a spectrum of theatres. In aerospace, rugged computers and docking stations operate at altitudes of 30,000 feet, in temperatures from -50°C to +80°C, withstanding operational shocks.

Naval deployments demonstrate resilience both above deck and in the pressurised confines of submarines. Monitors are certified for toxicity and fire safety compliance and meet strict electromagnetic standards, performing reliably in salt spray, heavy weather, or enclosed compartments.

On land, our systems have supported military operations worldwide—from Arctic expeditions to desert campaigns. Examples include NVIS Panel PCs on bridging platforms, monitors for mobile missile launchers, sniper teams, force protection measures, and SOF applications.

Our contributions extend to lifeboats. For over 15 years, our monitors have been installed across fleets ranging from small inshore rescue craft to large all-weather vessels. Rated from IP67 to IP68, these displays survive constant exposure to saltwater, spray, and severe weather, performing when lives are at stake.



Beyond hardware, we measure success by long-term operational partnerships. Our clients include BAe Systems, Lockheed Martin, Rolls Royce, Thales, and QinetiQ to name a few—organisations that demand absolute reliability, tactical flexibility, and the ability to evolve alongside urgent operational requirements. We work with companies of all sizes, from the largest multinationals down to the smaller niche specialists in different disciplines, leading to a variety of applications such as these below:

Bluestone Technology Ltd are well versed with supplying equipment into the Aerospace Industry, with this application utilising our kit both internally within the fuselage and externally!!

This entailed our equipment being tested DO-160 which included aspects such as:

Temperature Range: -50°C - +80°C

Altitude Test: 30,000 ft

Operational Shock and Crash Safety



*Poseidon Xtreme i7 Computer, Caddy and Docking Station (IP67)
Military Aviation EW Application*



*24" Poseidon Monitor 16:10
Aspect Ratio (IP67)
Naval Bridge Wing Application*

*With over 20 year of experience
supplying rugged monitors and displays
into Naval Platforms from around the
World, both on surface ships (internally
and externally) and submarines.*

*Bluestone Technology Ltd products are
designed and tested to meet Def-Stan
59-411 Electromagnetic Compatibility
(Below Decks)*

*In addition, all our monitors are cleared
for use on submarines for Toxicity and
Fire characteristics.*

*Bluestone Technology Ltd most
recently supplied a Night Vision (NVIS)
compatible 15" Poseidon Panel PC into
a military bridging application.*

*This product has built upon years of
experience of supplying products into
Land Forces applications ranging from
mobile missile launchers, sniper
systems, dismounted close combat and
SOF applications. Our products have
seen active service around the World
from the Arctic to the deserts of
Afghanistan.*



*Night Vision (NVIS)
Compatible Monitor (IP67)
Military Bridging Platform*



*8.4" Poseidon Monitor (IP67)
Inshore Lifeboat*

*We are extremely proud to be the main
supplier of monitors and displays for
the Lifeboats for over 15 years.*

*With our monitors on every platform
across the entire fleet from the smallest
inshore RIBs to the all-weather
Lifeboats both internally and externally.*

*These monitors range from IP67 up to
IP68 and are specifically designed to
meet the rigorous demands of the
harshest marine environment.*

What sets us apart is the authenticity of our UK design and manufacturing. In a market where many rely on imported solutions, we ensure every product is designed, produced, assembled, and tested domestically. This independence allows us to select the best components, provide optimum lifecycle support, and adapt products to mission-critical specifications without compromise.

As defence and security industries are increasingly being required to source equipment domestically, we are the natural choice for rugged display and computer solutions. Our consistent delivery of quality since 2002, coupled with our ability to customise and innovate, makes us a trusted supplier worldwide.

We embody the ethos of “excellence in everything we do,” from initial design sketches to finished products.

We at Bluestone Technology stand as a testament to the value of UK-based engineering and manufacturing. Our products are more than hardware—they are vital operational tools enabling military forces, rescue organisations, and industrial operators to perform in the most extreme conditions. Reliability, innovation, and operational trust are proven realities. Our story is one of UK engineering strength, resilience, and mission-ready excellence.

We lead where others follow...

