



Integrated Systems

RUGGED COMPUTERS AND INTEGRATED SYSTEMS
ENGINEERED FOR HARSH ENVIRONMENTS



Steatite Integrated Systems specialises in the design, assembly and integration of military-grade multifunction operator consoles, rack cabinets and complex portable systems, providing design, development, qualification, manufacturing and support capabilities that span the in-service life of a project over many years or decades.

Operating from a modern purpose-built facility in Ashchurch, Gloucestershire, and leveraging the wider Solid State plc group companies' vast access to key electronic components and extensive expertise, we are able to offer the latest technologies in our solutions with direct access to OEMs that allows us to de-risk, innovate and deliver on demanding programmes.

Services we offer:

- System and Product Development
- Through-Life Support Services
- Human Factors Analysis
- Obsolescence Management
- Integrated Logistics Support
- Safety & Environmental Support
- Mechanical, Electrical & Electronics Design
- Technical Publications
- Supply Chain Assurance
- Project Management
- Qualification and Verification
- Assembly and Integration

Systems we specialise in:

- Multifunction Operator Consoles
- Integrated 19" Rack Cabinets
- Rugged Portable Systems
- Hardware Refresh for Legacy Equipment



Why use Steatite Integrated Systems?

Steatite Integrated Systems specialises in complex system engineering with the integration of COTS and custom components into rugged 19" rack cabinets and operator consoles, including computers, touch screen displays, networking, KVM switching, timing, power distribution, and many other types of hardware.

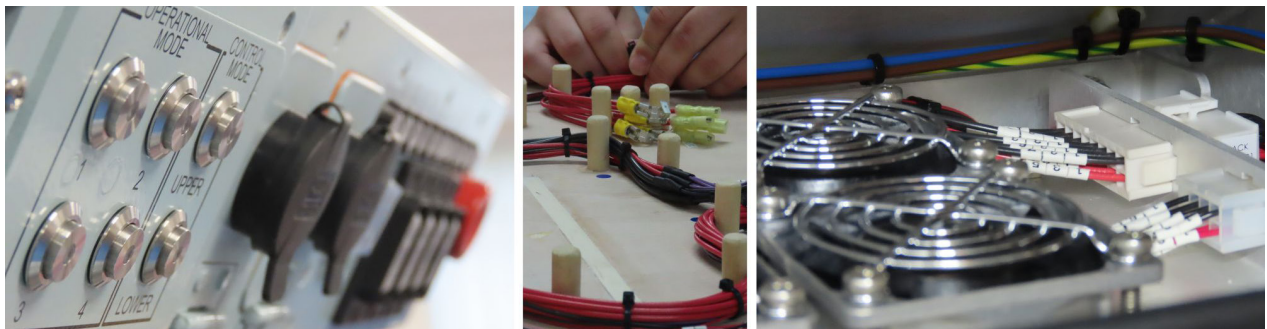
We offer ground-up project management, design and integration services as well as advising on upgrades and design studies to existing or new infrastructure.

Our experienced engineering team covers a wide range disciplines including mechanical, electrical, electronics, safety, human factors, tech publications, and more.

This means that every stage of any project, large or small, can be supported, from initial consultation to help formulate a solution, right through to compliance testing and verification to meet stringent industry and military standards. Our team will incorporate formal design review gates to ensure approval throughout the process.

After final design completion, we have strict manufacturing quality controls in place to ensure that every system is built in exactly the same way. This includes full traceability, from the time that a component arrives at Steatite, to the time that it leaves us as part of a complete system.

Therefore, you can be assured that every step of your engineering challenge is managed in the best possible way to reduce time, cost and risk, with a UK based team.



Tech Refresh

Many systems have a decades-long service life, and the technology on these platforms needs to be refreshed periodically to ensure their capabilities remain current. To help achieve this in a cost-effective manner, Steatite can design upgrade modification kits for existing systems that reuse the current enclosure, retaining the same form and fit while improving the function.

The integration of these upgrade modification kits can be carried out at our dedicated facility in Ashchurch or by customers with support from our engineering team.

Military Certifications

We have decades of hands-on experience designing systems to meet DEF-STANs and MIL-STDs for EMC, shock, vibration, temperature, and electrical safety.

Our comprehensive in-house test facilities include expansive EMC and RF semi and fully anechoic chambers, in addition to environmental test equipment covering climate, altitude, shock and vibration conditions. This equipment enables us to carry out significant pre-compliance testing on the hardware that we build. This results in reduced risk, saving time and money.

We also have experience designing, building and testing systems to TEMPEST requirements, ensuring the highest level of security and protection against unauthorised access.

Contact our team to learn more about designing, manufacturing, and integrating a custom-built military-grade system, or upgrading your existing equipment.

