

# STEATITE

COMPUTING - POWER - COMMUNICATIONS

A Solid State Group Company

COMPUTING

BATTERIES

COMMUNICATIONS

ANTENNAS



TECHNOLOGY FOR EXTREME ENVIRONMENTS



COMPUTING



BATTERIES



COMMUNICATIONS



ANTENNAS

## COMPANY OVERVIEW

Established in 1938, Steatite is a market leader in the design, development and supply of rugged portable and industrial computers, custom battery and power solutions, secure communication systems, and antennas.

Over the years we have developed a first class reputation for providing solutions that precisely meet the operational demands of our customers. Custom engineering is at the heart of our business, with dedicated in-house teams supporting clients by designing, manufacturing and testing the most advanced range of products and systems tailored to specific application requirements.

Quality is a key driver and we are ISO 9001: 2015 certified. Security-cleared individuals and facilities are complemented by a strong engineering and design capability, with an in depth knowledge of CE, UK DEF STAN, American MIL-STD, NATO STANAG and UK, European and American TEMPEST standards.

As an innovative, technology driven company, we play an active role within the scientific community, driving ground breaking research and development projects designed to

devise new technologies that operate at the very limits of technical capability.

Head-quartered in Redditch, at the heart of the UK's transport and communications network, Steatite operates a secure 26,000 sq ft site dedicated to design, engineering, manufacturing and service support.



**" THE MARKET LEADER IN SUPPLYING  
COMPUTING , POWER AND COMMUNICATIONS "**



In addition to our main Redditch site, we operate a 24,000 sq ft battery design and assembly facility located in Crewkerne, Somerset, and a 15,000 sq ft facility in Leominster, Herefordshire, dedicated to antenna production, electronics and software.

Our Leominster site is home to a design engineering workshop, environmental test laboratory, and our state-of-the-art spherical near-field test chamber, one of only a few fully anechoic chambers of this size in the UK.

All 3 facilities combine seamlessly to provide a level of technical capability that sets us apart from our competitors.

As a part of the Solid State PLC Group of companies, quoted on the UK AIM market, Steatite benefits from its association and close working relationship with the other companies in the group, and accompanying resources.



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" PART OF SOLID STATE PLC "



Supported by decades of experience, we are specialists in the supply of rugged portable computing and custom design and integration of industrial computers, timing & positioning systems and rack cabinets for use in commercial, industrial and military applications. We provide full integration services through detailed planning, design and delivery of complex projects for use in some of the harshest and most challenging environments.

### Engineering

Our expertise and ability to evolve with the latest technological advances and the challenging needs of our customers has kept us firmly at the forefront of the industry.

In house hardware, software and firmware development engineers bring a wealth of experience and know-how to accurately meet specific customer requirements.

### Production

We have the capability and capacity to produce computer technology from one-off systems to high volume roll-outs.

Robust production processes are at the heart of every computer build. Highly-skilled production engineers apply meticulous attention to detail, and independent checks are made throughout the build process to ensure that every product is of the highest quality.

### Support

Our experienced technical support team are on hand to provide quality after-sales support and to make sure that our products work exactly as required. In the unlikely event of an issue, whether hardware, software, O/S or BIOS, you can rely on us to help get everything working smoothly again.

We specialise in:

- Full industrial computer design and integration
- Rugged laptops, tablets and hand-held devices
- Custom chassis design, branding and manufacture
- Customisation of Windows Embedded IoT
- Product test and certification
- Cable assembly and PCB design
- 3rd party hardware and software integration
- Customised end-of-line test procedures
- Revision control, obsolescence management and build documentation
- Custom rack integration
- Custom product configuration
- COTS product modification



“ DESIGNED AND BUILT TO PERFECTLY MATCH  
YOUR SPECIFIC REQUIREMENTS ”

 COMPUTING PRODUCTS



Industrial Computing

Industrial Rack Mount PCs



Fan-less Industrial PCs



Touch-screen Panel PCs



Rugged Computing

Rugged Laptops



Rugged Hand-held



Rugged Printers



Time & Positioning

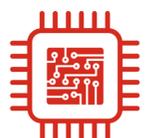
Time & Frequency



Positioning



GNSS Simulators

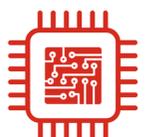


Motherboards & Modules

Motherboards & SBCs



Computer Modules



Certified Computers

Military Approved PCs



Transportation Approved PCs



Marine Approved PCs



“ TOUGH COMPUTING TECHNOLOGY ENGINEERED TO PROVIDE FLAWLESS OPERATION IN THE HARSHTEST ENVIRONMENTS ”



## BATTERIES

### Custom built lithium battery packs, portable power and energy storage

Steatite is a leader in the supply of lithium battery technology, with over 30 years' experience in the supply of portable power solutions and batteries, into some of the world's most demanding environments. Our battery packs are used in a range of sectors including Oil and Gas, Military and Security, Aerospace, Environmental and Oceanographic, Medical and Industrial OEM. We operate a modern engineering and production facility dedicated solely to the design and assembly of battery packs.

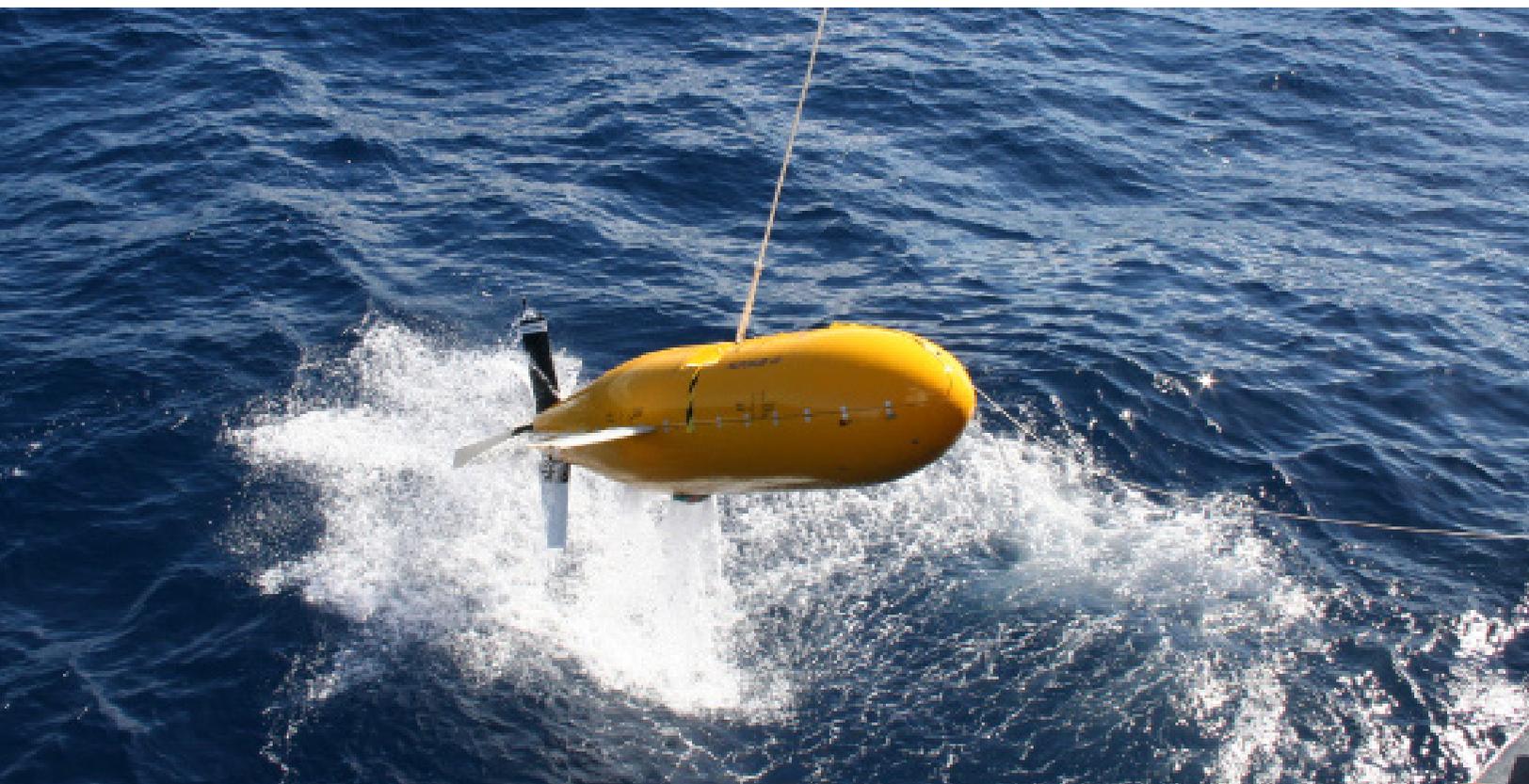
Our capabilities include:

- Battery pack assembly and custom build
- Full battery design including control electronics
- Working to the highest quality and safety standards
- ATEX approved battery packs
- Defence standards
- Full technical support and battery testing

We offer a full design, assembly and custom build service for primary and rechargeable battery packs, electronic control, battery power gauges and chargers, often specialising in applications where the performance of the equipment is mission-critical.

From initial design, through qualification, UN testing, full production, battery value added distribution, technical support and disposal at end of life, Steatite can assist in all aspects of the battery project, and satisfy both commercial and technical requirements.

Our skills include battery management systems, charging and control electronics. We supply battery systems for data communications, portable power, unmanned vehicle systems (land, sea and air), measurement and control, asset tracking and man portable electronic systems.



"DELIVERING THE POWER YOU NEED, WHEN YOU NEED IT"

## Working with the best

We work with world-class cell manufacturers and continue to expand our capability. Our partnerships include:

Panasonic – Lithium-ion rechargeable

- Renowned and industry leading supplier
- High end performance

Electrochem – High temperature lithium primary

- Operating temperature up to 200°C
- World's most durable lithium cell (NASA, Military, Oil & Gas)

Engineered Power – Cylindrical lithium thionyl chloride

- High temperature cells
- Range of sizes from AAA to DDD

Tadiran – Lithium thionyl chloride

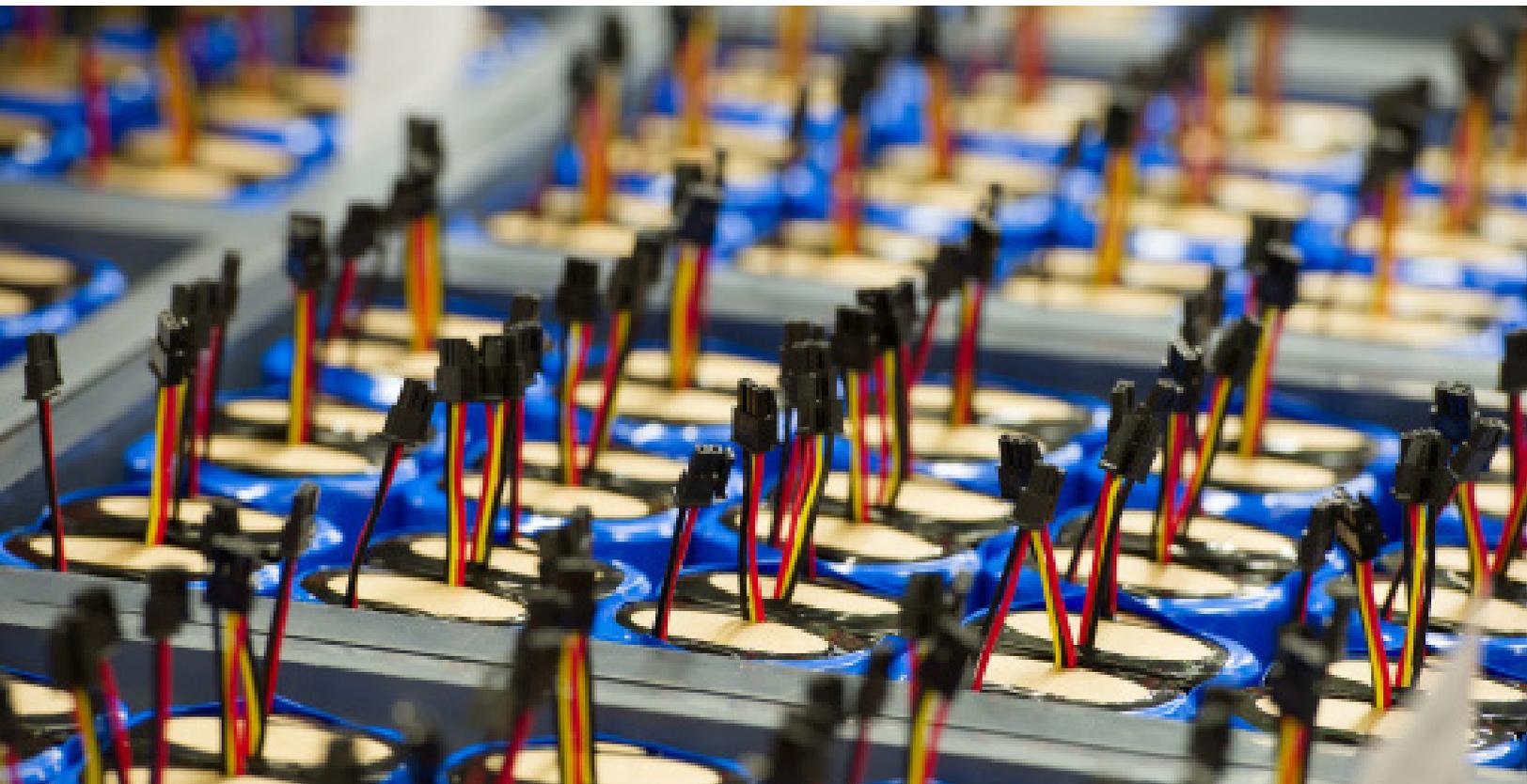
- Long life, high energy cells
- High temperature range tolerance

Oxis Energy – Lithium sulfur rechargeable

- Next generation battery technology
  - 400 Wh/kg has already been achieved
- Lightweight, safer and more environmentally friendly

Kokam – Lithium polymer pouch rechargeable

- World leading supplier of lithium-ion cells
- High energy density



“DRIVING INNOVATION IN NEW BATTERY DESIGN”



ANTENNAS

## Wideband microwave antennas, subsystems and technical consultancy

We have been at the forefront of antenna design and manufacture for over 40 years and continue to excel in the research, design and manufacture of ultra-wideband microwave antennas, subsystems and associated microwave components. With systems in operation across the world and space, our reach is truly global.

Offering the very best to both the electronic warfare and signal intelligence markets, we specialise in the provision of technical consultancy services ranging from the analysis of complex antenna subsystems and technical concept studies, through development studies and prototyping, to finished hardware.

Our purpose built, world-class facility includes extensive design, engineering and manufacturing capabilities, as well as a state-of-the-art microwave laboratory & wide ranging environmental test facilities.

We provide a wide range of products including horn, sinuous, spiral, reflector, spinning DF and omnidirectional antennas, in addition to bespoke antenna components and subsystems.

Our antennas form an essential part of many high precision systems, covering a range of applications, including:

- Surveillance and spectrum management
- Radar warning receivers
- Simulators/threat emitters
- Test and measurement
- Meteorological sensors



“ EXQUISITE PRODUCTS THAT PUSH THE BOUNDARIES TO THE VERY LIMITS OF TECHNICAL CAPABILITY ”



COMMUNICATIONS

## Radio and satellite communications

Steatite provides some of the most advanced radio, satellite and digital communication products available, enabling fast, secure & efficient communications in any location. As a primary distributor of ViaSat and Persistent Systems communications products, we are able to provide custom solutions that bring together the very best technology available, to precisely meet specific requirements.

Our extensive product range includes Wave Relay, a revolutionary mobile ad-hoc networking system (MANET), UHF SATCOM terminals and amplifiers, accessories such as diplexers and computer terminals, and many other innovative satellite and digital communication products.

We are the UK's only authorised supplier of Wave Relay products, including the astounding MPU5 - the world's first smart radio, with capabilities that far surpass the standards of mesh networking devices.

In addition, we also provide extensive technical training, either on site at our Redditch HQ or at a convenient customer location. Delivered by industry leading experts who not only have extensive technical knowledge but also close familiarity with real-world applications, each course is tailored to suit specific customer requirements.



"DEPENDABLE COMMUNICATIONS SOLUTIONS  
THAT SURPASS EXPECTATIONS"

# GET IN TOUCH

Our technical sales team are available on [+44 \(0\)1527 512 400](tel:+441527512400)

## STEATITE – REDDITCH

Corporate Headquarters & Manufacturing Facility  
Ravensbank Business Park, Acanthus Road  
Redditch, Worcestershire B98 9EX  
United Kingdom

Telephone: [+44 \(0\)1527 512 400](tel:+441527512400)  
Email: [sales@steatite.co.uk](mailto:sales@steatite.co.uk)

## STEATITE – LEOMINSTER

Antennas & Subsystems  
Units 15, Croft Business Park  
Leominster, Herefordshire HR6 0QF  
United Kingdom

Telephone: [+44 \(0\)1568 612 138](tel:+441568612138)  
Email: [sales.antennas@steatite.co.uk](mailto:sales.antennas@steatite.co.uk)

## STEATITE – CREWKERNE

Batteries & Power Solutions  
Unit 17 Northern Way, Cropmead Industrial Estate  
Crewkerne, Somerset TA18 7HJ  
United Kingdom

Telephone: [+44 \(0\)1460 980 100](tel:+441460980100)  
Email: [sales@steatite-batteries.co.uk](mailto:sales@steatite-batteries.co.uk)

Visit our website: [www.steatite.co.uk](http://www.steatite.co.uk)



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