

GROUP CAPABILITY BROCHURE



TRUSTED TECHNOLOGY FOR DEMANDING APPLICATIONS



SYSTEMS



COMPONENTS

SOLID STATE GROUP

Solid State Plc is a value added electronics group supplying commercial, industrial and military markets with durable components, assemblies and manufactured systems for use in critical applications, with a particular emphasis on specialist and harsh operational environments.

The company has particular expertise in industrial and ruggedised computing, battery power solutions, antennas, secure radio systems, imaging technologies, electronic components and displays.

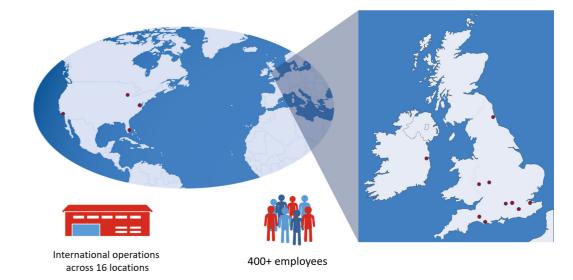
Serving industries with demands for complex, performance-critical products, the Solid State trading brands have become recognised industry leaders through consistently delivering product quality, high service standards and comprehensive technical support.

With a focus on the development and supply of performance technologies for extreme environments, the Solid State name, and that of its trading companies, has become synonomus with high quality and reliability.

The company operates through 2 trading divisions, Steatite Ltd, which focuses on system design and manufacturing, and Solsta Ltd, a technical component distributor serving the needs of the electronics community.

Solid State Plc was founded in 1971 and is listed on AIM (AIM:SOLI), part of the London Stock Exchange. The company has been profitable every year since being admitted to AIM in 1996 and has consistently grown through a mix of strategic acquisition and organic growth to become a leader of performance technologies.

Today, the company employs over 400 people across 16 sites in the United Kingdom, European Union and United States of America. Solid State is a truly international company, with customers in over 50 countries and in excess of 200,000sq ft of office and scalable production floor space around the world.







"WE DO THE DIFFICULT THINGS SMALL COMPANIES CAN'T DO AND THE LARGE COMPANIES DON'T WANT TO DO"

"BRITISH RESEARCH, DESIGN AND ENGINEERING AT ITS VERY FINEST"



Steatite is the systems manufacturing division of the Solid State group. Established in 1938, the company is a market leader in the design, development and supply of rugged and industrial computers, imaging and embedded vision systems, custom battery solutions, secure communication systems, antennas & subsystems.

Headquartered in Redditch, Worcestershire, Steatite operates a secure, modern facility dedicated to design, engineering, manufacturing, testing and service support.

In addition to our main Redditch site, Steatite has two large battery design and assembly facilities. One of these is located in Crewkerne, Somerset, whilst the second is located in Fountain Valley, California. In addition, the company has a world-class development facility in Leominster, Herefordshire, dedicated to antenna design, production and testing.

Iver, Buckinghamshire, is home to the company's imaging technologies business unit, Active Silicon. Here the focus is on embedded vision systems for image processing, data acquisition and transmission.

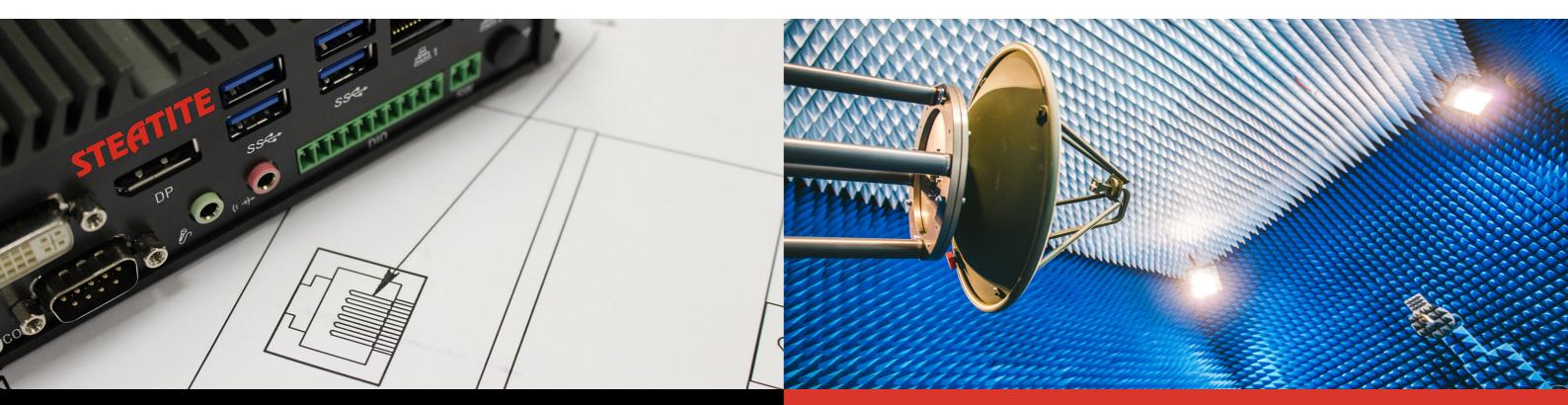
Active Silicon's operations facility is located in nearby Langley, and a sales office for the North America market can be found in Severna Park, Maryland, around 30 miles north east of Washington DC.

Steatite has extensive in-house testing capabilities including a large anechoic RF test chamber and a smaller semi-anechoic EMC chamber, in addition to environmental test equipment.

The Redditch based compact EMC chamber provides agility and efficiency for the engineering function by speeding up product development as a result of being able to quickly test different engineering configurations without the reliance on an external test facility.

The Leominster facility houses the company's state-of-the-art spherical near-field RF test chamber (**pictured below**). This 7m x 5m chamber is able to accommodate antennas from hand-held horns to 3m diameter dishes and enables full far-field measurements to be derived without the difficulties of a large scale external test range facility.

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



"A MARKET LEADER IN THE PROVISION OF COMPUTING, POWER AND COMMUNICATIONS TECHNOLOGY"

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"PRODUCTS THAT PUSH THE BOUNDARIES TO THE LIMITS OF TECHNICAL CAPABILITY"

STEATITE SYSTEMS CAPABILITIES

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COMPUTING PRODUCTS





Industrial Computing





Touch Screen Panel PCs









Rugged Computing

Rugged Laptops

Rugged Handheld

Printers







Time & Positioning

Timing & Frequency

Positioning





GNSS Simulators



Motherboards & SBCs



Computer Modules

COMMUNICATIONS PRODUCTS







Embedded Module



GVR5

Wave Relay Products



Peripherals



CRiB

Rugged Display & Controller



Auto Tracking Antenna





MMCU







ANTENNA PRODUCTS



Horn **Antennas**











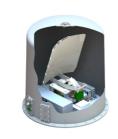
























BATTERIES & IMAGING PRODUCTS







Custom Lithium Battery Packs Standard Lithium Battery Packs Other Chemistry Battery Packs



















Frame Grabber Cards











Embbeded Systems



Solid State Supplies Ltd (trading as Solsta) is a technical distributor serving the needs of the electronics community in the UK. We provide a comprehensive range of technical, commercial, value-added, training and support services.

The company supplies semiconductors, related components and modules for embedded processing, control and communications (both wireless and wired), sensing and switching, power management, and LED lighting. Solsta offers particular expertise in high-reliability components for mil/aero applications and the company's Quality Management System is in accordance with the International Aerospace standard AS9120. In addition, we have expertise in sensing and switching for electric vehicles, and end-to-end IoT solutions using modules, finished products and cloud connectivity.

Value added services

Key to our success has been the development of our Value Added Services - going above and beyond our core business of component distribution to offer additional services designed to solve problems for customers. As well as providing the best components for particular applications, we assist in integrating these parts into successful new products, working hand-in-hand with customers as projects progress from R&D to volume production.

- Sourcing & Obsolescence Solutions
- Optoelectronics Design & Manufacture
- End-to-End IoT Solutions
- 4G/5G Router Configuration Service & Consultancy
- Device Programming
- Firmware Version Control
- Tape & Reel and Mini Reel
- Bake & Seal

Services are carried out in our secure, bespoke, ESD facility in line with our AS9100 certification. UK warehousing and multiple logistics services ensure on time delivery through buffer stocks, consignment stocks and VMI programmes.

End-to-end IoT solutions

Solsta helps customers with IoT projects by offering both hardware and software solutions. Having established partnerships with leading IoT experts, the company is able to offer end-to-end solutions from hardware to plug-and-play applications for device management and data insights through its '5 Stages of IoT' framework:

- . The 'Thing'
- 2. Connect
- Collect
- 4. Learn
- 5. Do

A dedicated team of industry experts guide customers through the IoT landscape - step by step, from concept, design and development through to execution of their IoT ecosystem, helping them to move from a "Product" to an intelligent "Connected Product" and realising the value of data to their business.

Custom display solutions

Solsta provides high quality display components, monitors, panels, signage and power components to the commercial, retail, industrial and military markets throughout the UK and Europe.

Offering bespoke display solutions to a variety of markets, many of our display panels, monitors and components can be found in high-reliability applications such as fighter jets, bomb disposal vehicle systems, helicopters, industrial control systems and broadcast units.

Willow Technologies & AEC

The Solsta offering is further enhanced by the addition of Willow Technologies Ltd and its US subsidiary American Electronic Components Inc, specialising in switching, sensing, resistive and hermetic seal solutions for customers around the world.

Combining a heritage of designing and building high current switching devices, the companies provide enhanced capability to Solsta as well as additional access to growth markets and own brand components Hermaseal® and Durakool®.



"ONE OF THE UK'S LEADING TECHNICAL, FRANCHISED DISTRIBUTORS"

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"SERVING THE NEEDS OF THE ELECTRONICS OEM COMMUNITY"

SOLSTA COMPONENTS

Premium product portfolio

We distribute a wide range of best-in-class semiconductors and related components and modules from a carefully selected stable of leading edge suppliers. Our portfolio contains the components you need to unlock vital innovation in your concepts and designs.



WIRELESS

OPTO &

IMAGING

D-Link Digi

Asus

Embedded Antenna Designs

IEI Technology

2J Antennas

CTI Antennas

Avalue Technology

Antenova

Inseego Laird Microchip Pacer

Pulse Electronics

Quectel Robustel Silicon Labs Synzen

TechNexion Winmate

Access Laser

Brimrose Corporation Espros Photonics

Excelitas

Axetris

Kodenshi Corporation

Luminus

Mitsubishi Electric

New Infrared Technologies OmniVision Technologies

Optotune Pacer

Polymer Optics TechNexion Ushio Opto Semiconductor



Astrodesign

Avalue Technology

BOE Varitronix

Crystal Clear Technology

Crystal IS Digital View

DMC

IEE Displays

IEI Technology Kingtech

Kyocera Display

Lumineq

Open China Gateway

Orient Display

Planar Systems

Raystar Optronics

RiTDisplay Unigraf

Winmate



PROCESSING

AAEON

Asus Digi

e-peas

GigaDevice Holtek

Laird Microchip

Pacer Silicon Labs Skyworks/IsoLink TechNexion

Variscite Winmate



Durakool Fulham Microchip Minmax Technology Orion Fans Pico Electronics

PulseR VPT Inc.



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SENSORS Microchip

Pacer Sensolute Silicon Labs

Silicon Microstructure Inc.



STORAGE

Alliance Memory **AMIC Technology** ATP Electronics Avalue Technology Digi

GigaDevice

IEI Technology Innopeta Transcend

Winmate

SERVICES

Asus Digi Inseego **IoThink Solutions IQRF** Tech Pacer Robustel

Winmate

Accreditations & Memberships

















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 ${\sf SSPLC_Group_Capabilities_Brochure_Rev1}$

TRUSTED TECHNOLOGY FOR DEMANDING APPLICATIONS