

Company Profile

Secure Systems & Technologies Ltd (SST)

Based in Gloucester in the west of England, Secure Systems & Technologies (SST) designs and manufactures TEMPEST, EMC-rated, Rugged, Encryption and Communications Security equipment for Military and Government Organisations throughout NATO and Europe. This includes NATO bodies, Ministries of Defence, Ministries of Foreign Affairs, Defence Prime Contractors, and other Government agencies.

OVERVIEW

SST is a UK Company that specialises in the development and manufacture of electronic equipment for Military and Secure Government Organisations throughout NATO and Europe.

With skilled staff including a high percentage of engineers and TEMPEST industry specialists SST has built an enviable reputation for bespoke systems meeting the most rigorous Government and Military standards whilst maintaining ergonomic design and ease of use.

SST offers TEMPEST, EMC and rugged solutions largely based on 'best of breed' commercial off the shelf (COTS) equipment. With an In-house TEMPEST, EMC and Environmental testing capability as well as Prototyping and Manufacturing facilities, SST can provide fast and reliable turn-around times from design through to manufacture and installation.

For harsh, tactical environments SST's Rugged Products are subject to stringent, rigorous testing and are designed and tested to conform to international Military Standards (MIL-STD 810) and UK Defence Standards (Def Stan 00-35), for use on land, sea or air platforms. The company maintains the necessary programme management resources to deliver turnkey military solutions and associated support.

As Subject Matter Experts, SST provides consultancy, training and testing services including TEMPEST and environmental certification and UK NSA endorsement support.

SST's TEMPEST and EMC Test Facility Personnel have many years experience performing EMC and TEMPEST acceptance testing to Military Government Test Standards, on fixed and mobile platform installations.

LOCATIONS

	Name	Location	Function
Offices	Waterwells, UK	Brunel Court, Waterwells, Gloucester, GL2 2AL, UK +44 1452 371999	Headquarters, R&D, Production, Test facilities
Offices	Brussels, Belgium	Avenue Des Saisons 100-102, PO Box 30 1050 Brussels, Belgium +32 2 639 3940	Mainland Europe office (Support NATO and EU Council)
Group	Cryptek Technologies Inc, USA	1501 Moran Road Sterling, Virginia 20166 +1 571 434 2000	Security device design, manufacturing and sales for USA
Group	Emcon Emanation Control, Ltd, Canada	11 Tristan Court, Nepean, Ontario K2E 8B9, Canada +1 613 723 1838	TEMPEST design, test and manufacture, sales for Canadian and USA markets
Group	Ion Networks, USA	120 Corporate Blvd, South Plainfield, New Jersey, 07080, USA +1 908 546 3900	Secure remote access and networking products, development and sales

ADMINISTRATIVE

SST is part of the world's largest provider of Emanation Security (TEMPEST) products. SST was formed by the merger of Secure Computer System (SCS) and Secure Systems Production (SSP) in 2003.

SST and group companies Cryptek, Ion Networks and Emcon specialise in the field of information security and secure access.

	Contact 1	Contact 2	Contact 3
Name	Sales	Matthew Richards	Pepe Carmine
Position	Internal Sales	Managing Director	Financial Director
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Country of registration	United Kingdom
Legal status	Private Limited Company
Registration number	04534093
Web site	www.sst.ws

ACCREDITATION

SST is registered on the UK Defence Contractors List, No: 22839, and operates from a UK Government approved Secure Site. Its personnel are security cleared to UK SC or DV levels and a number are cleared to NATO Secret level.

Other qualifications include:

- Quality EN ISO 9001:2000 Certificate: FM 26798, since January 1994
- UK National TEMPEST Authority (CESG) Registered
- NATO Basic Ordering Agreement (BOA), no. 9092
- Approved Crypto Custodian
- TEMPEST Test cells approved by CESG (Facility Qualification)
- Advanced Category 4 Approved TEMPEST Testers

QUALITY AND RELIABILITY

SST demands the highest standard of Quality Assurance and Project Control and its Managers and Engineers are trained in tightly monitored Operating Procedures including the Time, Resource and Cost Scheduling necessary to meet the difficult and ever evolving demands of our customers. SST is a BSI registered company, assessed to EN ISO 9001:2000 and is working towards ISO 14000 Environmental Management standard.

PRODUCTS

Wherever possible SST uses COTS products as the basis of TEMPEST & Rugged Solutions, maintaining the performance and features of the OEM products.

- Desktop computers, Thin clients, Workstations and Servers
- Laptops, Tablet computers and rugged PDAs
- Colour Monitors, TEMPEST and rugged Flat Screen Displays
- Printers – Laser, rugged Colour Inkjet and Dot Matrix
- Facsimile Machines; Secure (STANAG 5000), Ruggedised & TEMPEST.
- Flatbed and mobile Scanners, Digital Camera solutions
- Communication Products; Routers, Switches, crypto support.
- Removable media and secure interface options
- Mobile and deployable Secure Office solutions
- Mobile tactical wireless and satellite communications
- Rackmount equipment and rack integration

PRODUCTION

SST operates from a purpose built 2000+ m² (22,000 ft²) facility with all design, test and flexible manufacturing facilities on one site. As well as product manufacture, the site can accommodate ISO containers to enable integration work to be completed securely.

The concentration on core skills and capabilities together with a thorough understanding of all aspects of the specialised design, development, manufacture, testing and lifetime support of SST's products enables a flexible approach to meet our customers varying requirements.

ENGINEERING STANDARDS

- TEMPEST: SDIP-27 Level A, Level B, Level C (replaces AMSS standards)
- EMC: MIL-STD-461, Def-Stan 59-41, Def-Stan 59-411
- Rugged standards: MIL-STD-810, Def-Stan 00-35, IEC 68-1, NEMA 250
- Quality: EN ISO 9001:2000

RESEARCH & DEVELOPMENT

R&D policy

To develop products required to maintain a core portfolio of TEMPEST products in support of SST Customers.

To investigate methods, techniques and products for the enhancement of electromagnetic security and the physical robustness of data processing and communications equipment.

R&D Main projects

Development of computer systems, notebook computers and essential peripherals to meet high-level TEMPEST requirements.

Development of rugged EMC tested workstation, server and display hardware for Land and Naval platforms.

Development of turnkey field deployable computer and communications systems to meet high-level TEMPEST and ruggedisation requirements.

CONSULTANCY, TRAINING and SUPPORT

Specifically for the Communications and Electronic Security environment, SST provides experienced and knowledgeable Consultants, Project Managers and Trainers specialising in the fields of COMSEC and EMSEC.

Training Services are available at SST and at customer premises on TEMPEST design, test and installation, EMC and COMSEC.

Communications Security (COMSEC)

Systems Planning, Systems Integration, Communications, Project Management and the application of Cryptographic technology all form part of the Communications Security (COMSEC) Service which SST provides.

Emissions Security (EMSEC)

- TEMPEST: The SST Test Facility is CESG approved and is staffed by some of the leading TEMPEST engineers in the UK. The Company has five TEMPEST test cells in the UK.
- EMC: The SST Design & Test capability is capable of remedial engineering for Electromagnetic Compatibility of Proprietary Products as well as incorporating demanding EMC requirements into built solutions.
- EMP: SST can provide Engineering Services for Electromagnetic Pulse Protection, supported by the SST in-house design facility.

Security

SST offers a Security Consultancy service, providing training in a wide variety of subject areas including Risk Assessment, Risk Awareness, EMC, Architectural Building Shielding, TEMPEST Engineering and Installation Techniques.

Service and Maintenance

The SST policy is to provide warranty service at a level equal to or greater level than the Original Equipment Manufacturer (OEM) and can offer further Maintenance Contracts once any existing Warranties have expired.

The SST service centre is located in the UK with SST trained service partners throughout NATO.

Experience of Obsolescence Management for our products on Military platforms ensures products are supportable for their deployed lifetime.