DOMAIN EXPERTISE

Communications and Networks

- Secure networks
- Satellite communications
- Antennas and RF
- Messaging Command and Control
- Information Assurance

Electronic Warfare

- Advanced signal processing
- Electronic Support Measures
- Calibration
- Countermeasures

Control and Instrumentation

- Control systems
- Engine management
- Databus networks
- Power distribution
- Rugged consoles, enclosures and racks

STS Defence, a part of the Cicor Group, is a UK-based technology and engineering company, specialising in mission-critical, secure communications and networks, electronic warfare and control & instrumentation systems.

We operate primarily in the Naval and Air Defence markets, helping our customers to resolve complex technical challenges by delivering innovative solutions and programmes; designing and manufacturing mission systems and equipment, and sustaining & modernising capability through-life.

Our independence, system engineering expertise, platform knowledge, and agility enables us to quickly understand and adapt to our customers' issues and requirements, developing robust, workable, cost-effective integrated technology solutions and managed services; reducing risk and ensuring successful outcomes.

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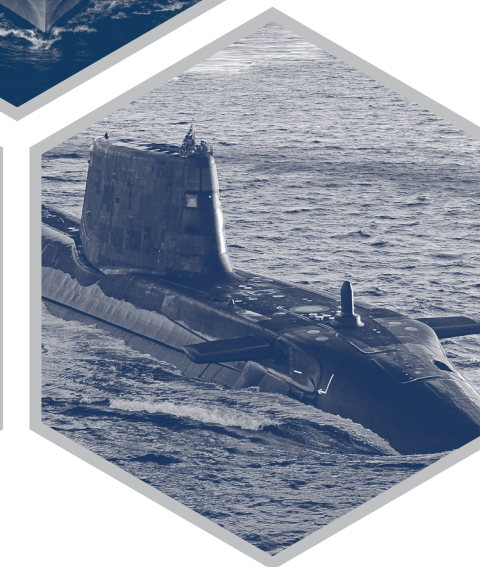+44 2392 584 222

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LRQA CERTIFIED — AS 9100 — UKAS MANAGEMENT SYSTEMS 0001

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UKAS MANAGEMENT SYSTEMS 9963 — QUVA ISO 45001 CERTIFIED

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SUSTAIN

Design Authority

- Extensive expertise in platforms, systems and equipment
- Maintaining integrity of complex capability and interfaces
- Setting to work, calibrations, trials and acceptance
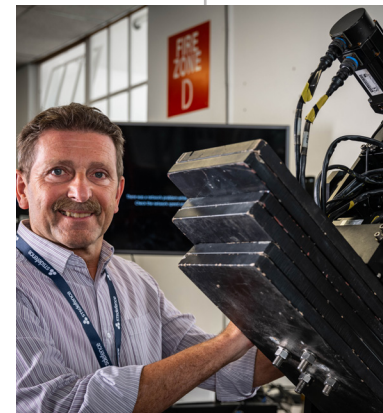
Integrated Logistic Support

- Worldwide support, maintenance and repairs ensure a high state of readiness
- Obsolescence solutions and technical documentation
- Inventory management, warehousing, spares and logistics

Service Management

- 24/7 user support and incident tracking
- Asset management and reporting
- End-to-end performance monitoring and continuous improvement

Training

- Development and delivery of specialist blended training solutions
- Platform systems, technical user and maintainer courses
- Qualified and highly experienced subject matter experts

MODERNISE

Research and Technology

- Predictive systems, edge computing, advanced signal processing and software development
- Sensors, antennas and RF
- Embedded Artificial Intelligence for use in deployed environments

System Engineering

- Requirements development and verification
- System development from concept to in-service and disposal
- Reference facilities, System Integration Labs and experimentation

Product and System Design

- Design for challenging defence environments
- Electronics and electrical sub-systems, computation fluid dynamics and thermal management
- Network and communication systems

Capability Enhancement

- Agile, technology-focused system engineering and design team, responding to end-user needs
- Electronic, electro-mechanical and software solutions for communications, sensors and controls

MANUFACTURE

Prototype and Qualification

- Integration, functional and qualification-testing prototypes
- New product introduction and configuration control
- Environmental and compliance qualification management

Assembly and Test

- System assemblies and electrical/electronic integration
- Functional testing and acceptance
- Enclosures, consoles, antennas, printed circuit boards, cable-harness and interconnects

Fabrication

- Mechanical outfitting, CNC machining and 3D printing
- Painting and finishing
- Critical enabler for integration, installation and repair

Installation and Integration

- Platform integration solutions, design, guidance packages and technical documentation
- Fully managed, on-platform installation and setting-to-work, trials and acceptance of complex systems