



Defence Electronics &  
Components Agency

DELIVERING BEST  
VALUE FOR DEFENCE



# CONTENTS

Who we are	1
Our Agency Board	2
What we do	3
Calibration	4
Test and Repair Capability	7
Medical & Dental and Cryptographic Support Services	8
Obsolescence Management Support	9
Procurement Services	10
General Engineering Services	11
Deployed operations support	12
Working relationships	13

DECA's journey as an Executive Agency began in 2000 as the Electronics and Components Business Unit of the Defence Aviation Repair Agency and latterly the Defence Support Group prior to Sale. During this time, DECA and its predecessors have developed a long-standing pedigree in the delivery of assured electronics, components and general engineering capabilities.

DECA was retained as a 'trading' Executive Agency of the Ministry of Defence (MOD) on 1 April 2015. This marked a significant milestone for MOD in terms of ensuring retention and in-house access to electronics, components and general engineering capabilities, including key through-life specialist avionics maintenance, repair and overhaul, upgrade and procurement services.

As a trusted partner to MOD and Industry, our primary purpose is to retain a focus on supporting the UK's Armed Forces by delivering assured capability and developing and growing the skills we need now and in the future. Key to meeting our purpose will be the transformation of the business in order to meet our aim of becoming a highly professional team delivering benchmark support services to our customers.

Under this transformation we will look to evolve, expanding our capacity to fulfil our core function and shift primary focus from the Air Sector to further develop capabilities in support of Land, Maritime, Joint Enabler and complementary Defence markets.

Recognising that our people are DECA's greatest asset; our Executive team will create an environment where all employees are proud to be part of DECA. We will continually improve our skills and expertise to ensure best value for the British Taxpayer and deliver lean, agile and flexible responses to MOD's current and future operational requirements throughout the UK and overseas.

## WHO WE ARE



Ministry  
of Defence





## OUR AGENCY BOARD

The DECA Agency Board comprises an independent non-executive Chairman, non-executive directors, a Departmental non-executive director as well as the DECA Chief Executive, Finance Director and Head of Strategy, Governance and Secretariat. The Agency Board provides support and constructive challenge to the DECA Chief Executive and his Executive Management Board in developing business plans and measuring the Agency's performance against its performance targets and strategic objectives.

The DECA Executive Management Board comprises; the DECA chief Executive, Finance Director, Operations Director, Support Services Director, Commercial and Contracts Director, Business Development Director and Head of Strategy and Secretariat.

The Executive Management Board is responsible for effectively leading, directing and managing the Agency to ensure the business operates safely to achieve the agreed levels of business delivery and financial performance in our ministerially approved Corporate Plan.



As a MOD in-house capability, DECA offers UK Defence “assured on-shore access for through-life specialist avionics, maintenance, repair, overhaul, upgrade and obsolescence management capability.”

Skilled technicians operate from Sealand in North Wales (within the Deeside Enterprise Zone), its satellite site in Stafford, and various deployed locations across the UK, to maintain MOD operational delivery.

As a Government owned agency, our status grants us Crown access to MOD Intellectual Property Rights (IPR)/International Traffic in Arms Regulations (ITAR) and government-to-government arrangements allowing the development of holistic service support solutions and bespoke test packages to meet specific customer requirements.

Our reputation is built on supporting UK defence operational capability including support to operations worldwide. We provide specialised capabilities to enhance the reliability of products, extend the life of legacy systems and deliver value to our customers.

Our on site and mobile services include:

- Maintenance, repair, overhaul and upgrade of electronic, avionic and mechanical equipments
- Calibration
- Automated Test Solutions (ATE)
- Medical & Dental and Cryptographic Services
- Cryogenic Services
- Obsolescence Management Support
- Procurement Services
- General Engineering Services
- Design Support and Manufacture
- Deployed Operations Support

DECA has achieved the Maintenance Approved Organisation Scheme (MAOS) accreditation for the repair and overhaul of aircraft components. This compliments existing accreditations ISO 9001, AS9100, AS9110, BSOHAS 18001, ISO14001, ISO 17020:2012, ISO 17025 and MIL Part 145 and demonstrates our commitment to sustain the highest quality outputs.

## WHAT WE DO



## CALIBRATION

With over 20 years experience in test and development, DECA's Calibration Centre of Excellence is the MOD's Tri-Service Calibration facility and includes a United Kingdom Accreditation Service (UKAS) approved laboratory that provides mechanical and electrical calibration services to over 8000 different item types with an annual throughput of over 70,000 assets.

Mechanical calibration consists of dimensional, pressure, force and torque parameters ranging from armament gauges and callipers to torque wrenches, electrical calibration includes oscilloscopes, meters and analysers.

An important aspect of the Calibration laboratory is our guaranteed turnaround time of less than 14 days and a dedicated customer helpdesk.

To ensure that we can meet end user requirements and maintain operational capability, the laboratory provides several bespoke services including mobile support. Our pool of dedicated technicians can calibrate larger items of test equipment, which are not practical to transport to the laboratory, at a location to suit the customer. For urgent requirements, the laboratory also provides a 'While-You-Wait' Service allowing the end user to bring test equipment and leave the same day with a fully calibrated item.









DECA offers a comprehensive solution to all of our customers in the test and repair of Tri-Service electronic, avionic and mechanical equipment

To deliver competitive services, we work closely and in partnership with industry, adopting lean processes from our Centre of Excellence facilities at Sealand, which has purpose-built electronic workshops, Class 7 clean rooms and secure Class 4 facilities.

We conduct test, maintenance, repair, overhaul, upgrade and modification on a diverse range of electronic, avionic and mechanical equipment including cables, communications equipment, microwave technologies and power systems at both module and component level.

With a team of experienced Development Software technicians, one of our core activities is the creation of test software for Automatic Test Equipment (ATE) and the migration of test software from legacy ATE systems as part of obsolescence management programs.

Our teams are highly skilled and conduct high and low speed digital, functional, analogue, RF and databus testing. We have extensive knowledge in developing test program sets, as well as low cost deployable and turn-key solutions for MOD general purpose ATE and we understand fully the critical importance of obsolescence risk reduction management.

## TEST AND REPAIR CAPABILITY

## MEDICAL & DENTAL AND CRYPTOGRAPHIC SUPPORT SERVICES



DECA Cryptographic maintenance and storage facilities are cleared for the repair of MOD top secret classification (Class 4 secure vault - Tempest cleared) electronics. Facilities and services include;

- United States National Security Agency approved repair facilities
- Approved European Depot facility for Identifier Friend or Foe cryptographic equipment
- Full depth repair hub located at Sealand
- In depth repair of 'High Grade' cryptographic equipment including modification and upgrade programs
- Development of bespoke Cryptographic Test Solutions
- Deployable teams in support of Tri-Service cryptographic systems

Two Cryptographic Maintenance teams (CMT's) based at Leuchars and RAF Waddington have extensive experience of providing maintenance cover for all of the UK's legacy cryptographic systems. The teams provide 24/7 helpdesk support and next-day call out for on-site systems support.

New cryptographic installations have included set-to-work on-board ships such as the Type 45 and new Queen Elizabeth Class carriers.

DECA Medical & Dental Support Service (MDSS) teams provide Tri-Service support to Primary Healthcare and Dental Equipment units based in the UK including Northern Ireland. To do this DECA employs 16 MDSS technicians based at eight locations across the UK; Aldershot, Catterick, Colchester, Portsmouth, Sealand, Stirling, Warminster and Woolwich.



DECA offer obsolescence support services through application of product knowledge and experience to support the mitigation of obsolescence risk to legacy systems. Services include;

- Implementing JSP886, Volume 7, Part 8, 13
- Ensuring the provenance of repair Bill of Material
- Identifying obsolete and potential obsolescent parts
- Mitigating obsolescence risk by analysing engineering and supply data including recommending alternative solutions

In partnership with the MOD, DECA assists in the resolution of obsolescence risks and issues leading to the development of appropriate resolution strategies.

Obsolescence monitoring activity is undertaken using market leading industry software to develop obsolescence risk management strategies.

- Detail of the original component, manufacture, description, part number, NATO Stock Number (NSN) specification
- Real time assessment of the impact of component obsolescence
- Current and predicted availability of parts
- Reclamation
- Last time buy notifications
- Availability of equivalent part and item emulation
- Minor and major design
- Common or shared solutions (other MOD departments requiring the same components)
- Risk allocation associated with each spare to support either a reactive or proactive approach
- Alternative parts

## OBSOLESCENCE MANAGEMENT SUPPORT

## PROCUREMENT SERVICES



As an Executive Agency, DECA follows MOD guidance and regulations for its purchasing arrangements and, depending on the value and nature of the contract advertise using;

- Defence Contracts online
- Official Journal of the European Union



Our Crown access to IPR/ITAR gives DECA procurement capabilities for a wide range of products. In particular, we specialise in procurement and tender management of electronic and electrical components conforming to appropriate airworthy standards on behalf of our customers.



DECA Stafford provides a bespoke service with the capability to deliver turnkey projects in response to our customers' requirements, with delivery on time and to the highest standards.



Working in partnership with our Tri-Service customers, we pride ourselves on being responsive and able to tackle any challenge, by harnessing our very diverse workshops, expertise and skills to resolve technical issues.

DECA general engineering capabilities include;

- Airborne cylinders inspection and test
- Armament containers refurbishment
- Maintenance, repair, overhaul and upgrade of aircraft components and structures, ground equipment, lifting tackle safety and survival equipment, launcher weapon rail and specialist role deployable cabins
- Manufacture and repair of Specific-to-Content containers
- Mobile support
- Cryogenic operations, installation and training services, ground equipment and plant

## GENERAL ENGINEERING SERVICES



## DEPLOYED OPERATIONS SUPPORT

DECA technicians were involved in the delivery of the Equipment Sustainability System (ESS) Regeneration Capability (RC) and Equipment Redeployment Hub Forward (EHRF). This involved providing deployed support for electronic and mechanical calibration, communication systems, Base Protection Intelligence Surveillance Target Acquisition and Reconnaissance (BPISTAR) components, Electronic Counter Measures (ECM) and Counter-Improvised Explosive Device (C-IED) capabilities.

The original concept was to regenerate vehicle platforms in theatre. However, developing operational requirements together with DECA expertise allowed ESS RC to broaden its mandate to include intricate technology based work including electronics, calibration and modification programmes.

The work provided by DECA technicians at the front line optimised equipment availability to the operational commander and minimised the time vital equipment is away from critical operations. In this way we delivered better value for Defence by removing the high cost of transporting equipment back to the UK.

DECA continues to maintain a pool of volunteers committed to support UK deployed operations and have recently reaffirmed our commitment to Joint Forces Command.



## Working with MOD

DECA interacts and works very closely with its MOD customers. Our integral involvement in support initiatives has led to successful delivery of MOD projects with demonstrable savings for Defence and wider Government.

We focus on delivering what customers want and strive for the optimum delivery of service to ensure we have the right capacity and capability to match current and emerging MOD and Industry strategies.

## Working with industry

For DECA to prosper as an Executive Agency, we must continue to develop innovative support solutions and establish new working relationships as a strategic or preferred partner to Industry.

We embrace commercial initiatives, competing for work when required but also acting as a partner, subcontractor or supplier in order to meet customer needs. We work closely with others to deliver support solutions that are in the best interest of defence. This makes our business uniquely placed to exceed customers' complex and time-critical requirements from a single source.

# WORKING RELATIONSHIPS



# Defence Electronics & Components Agency

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