

Defence Systems & Services



- Requirements Management
- Integrated Test, Evaluation & Acceptance (ITEA)
- Trials Management
- Design, Modelling & Simulation
- Safety Management
- Technical Authoring
- Third Party Assessments
- Knowledge Management



SDE retains a unique position in the defence industry as a specialist provider of technical and systems expertise on Ordnance, Munitions and Explosives. Our extensive knowledge allows us to provide independent advice to a wide range of programmes across the procurement cycle.

We can mould our Design, Development, Modelling, Trials and Safety expertise into packages of work or project teams to suit any size of programme.

We can operate in all stages of the System Engineering process from Requirements Capture through to ITEA Management for both procurement and R&D programmes.

During the In-Service Phase of any equipment we can provide independent Design, Trials and Safety Management services fully supported by detailed knowledge of the use and operation of the equipment.

As a result of SDE's independence we are able to conduct impartial third party assessments during all phases of the CADMID cycle.

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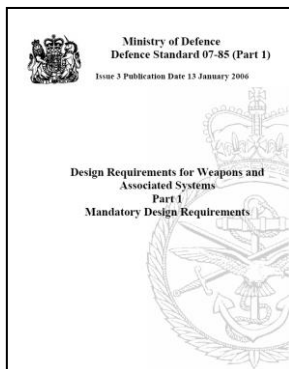
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Requirements Engineering

SDE can undertake requirements capture and engineering activities for both procurement and R&D programmes. This ranges from User and System Requirements through to Technical and Sub-System Requirements and Technical Specification. SDE has also generated Safety and Environmental Requirements for Ordnance, Munitions and Explosives (OME). As a consequence the company has a clear understanding that unambiguous statements are required, that robust justification statements are essential and that appropriate verification processes are determined.



ITEA



SDE have conducted ITEA activities for the UK FIST & Norwegian NORMANS infantry modernisation programmes and are currently part of Team Centaur,

working on Reducing the Burden on the Dismounted Soldier (RBDS) Capability Vision. Other experience also includes the integration of gun, missile and mortar/rocket systems into Land, Naval and Air platforms.

Trials Management

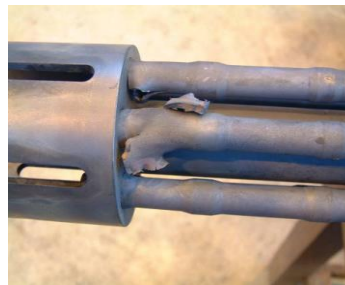
SDE provides a comprehensive trials service, for Ordnance, Munitions & Explosives spanning land, air and sea domains. This includes the planning and management of trials plus the analysis of data and reporting.

Design, Modelling & Simulation

SDE offer a comprehensive range of Design, Modelling and Simulation services to assist rapid, cost effective engineering design, validation and problem solving. This core capability is supported

by specialist expertise and a cutting edge suite of commercial and bespoke software tools.

Safety Management



SDE provides safety and environmental management services for Ordnance Munitions and Explosives at equipment, system and platform level.

Technical Authoring

SDE have experience in the authoring of technical documents, specifically in the weapon/munition systems sector of the business. We have knowledge, not only of the weapon systems themselves but also of the use and operation of the equipment and importantly the training environment. The Company has produced a number of Joint Service Publications (JSP), UK Defence Standards (Def Stan), Standardisation NATO Agreements (STANAG), Book of Reference (BR) & Air Publication (AP) manuals.

Third Party Assessments

As a result of the SDE's independence, it is able to conduct impartial third party assessments of problems and issues during all phases of the CADMID cycle. When a system is not delivering the required performance or effect, SDE can draw on its significant design, trials, modelling, training and technical expertise to identify the source of the problem. Where appropriate, potential solutions can also be offered.

Knowledge Management

SDE has produced knowledge management systems for UK MoD and other customers. The Company can gather data during trials and modelling, then process and analyse that data to produce information and finally store and present that information so that knowledge is achieved. Systems can be produced and tailored to satisfy customer requirements.

