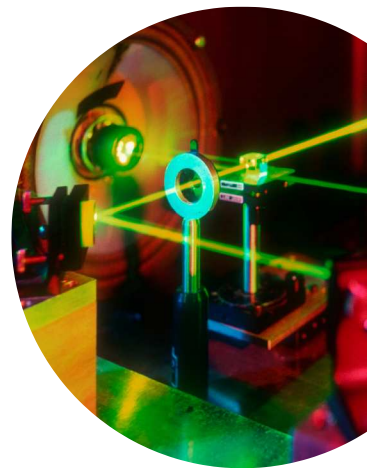# Managing Complexity.
Enabling Success.

Optima Systems Consultancy is an independent Systems Engineering and Management Consultancy. We recognise the challenges involved in developing today's complex systems and understand the benefits that a structured Systems Engineering approach can provide, through all phases of a project's lifecycle.

We work with our clients to **break down complexity**, identifying and **tackling underlying problems** in a structured way, and managing the technical and programmatic challenges facing their projects. We pride ourselves on delivering the **independent** and **impartial advice** needed to make pragmatic decisions and develop a balanced system.

We enable client success.

How We Work

Optima specialises in deploying small, expert Systems Engineering and Management teams to work within client organisations. Our high-calibre, flexible and experienced consultants will work with you to tackle the toughest technical and organisational challenges. We have substantial experience in the following specialist sectors:

- Defence (including Maritime, Land, Air, C4ISTAR and Weapons domains)
- Communications & Information Systems
- Civil & Military Nuclear
- Civil Aerospace
- Transport
- Utilities

For case studies of our deployed capabilities visit our website at
https://www.optimasc.co.uk/case-studies

Systems Engineering Services

At Optima we use a **Systems Thinking approach** to **Systems Engineering** and broader consultancy, typically applied to complex technologies and industries. Systems Thinking aims to successfully manage the complexity and risk in a multi-faceted project, defining needs through all stages from architecture and design to delivery, disposal & replacement.

Systems Engineering best practice

- Engineering process development
- Systems Engineering & Engineering Management
- System Architecture design & review
- Requirements capture & management
- Trade-off studies
- Technology Maturity & Technical Risk assessment
- Technology Roadmaps and technology insertion planning
- Trials design, planning & conduct
- Data analysis
- System Verification & Validation
- Simulation & Modelling
- Management of Interfacing Programmes & Systems
- Programme & Project Management
- Systems Engineering Training

Independent Assessment & Assurance for Acquisition & Investment

- Independent Systems Analysis & Technical Assurance
- Technology Maturity & Technical Risk assessment
- Pan Defence Lines of Development assessments
- Tender assessment management
- Options assessment & Multi Criteria Decision Analysis

Enterprise Change

- Engineering process development, best practice & training
- Governance
- Stakeholder management
- Negotiations & facilitation