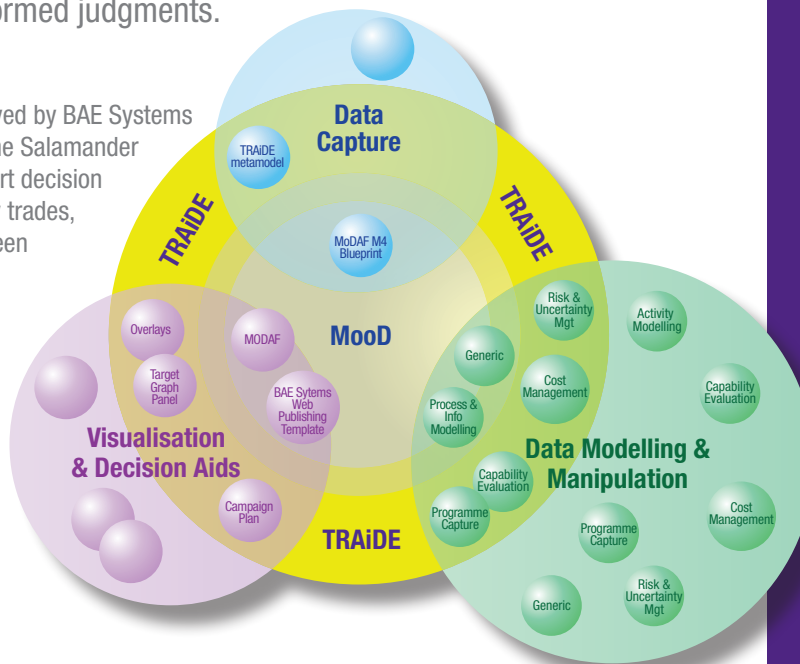


## A DECISION SUPPORT ENVIRONMENT FOR TLCM

Through Life Capability Management (TLCM) requires capability based decisions and trades at each level in the MOD governance structure. These in turn require well structured information, coherently analysed, and visualised in a compelling manner to assist the decision maker to make timely, informed judgments.

TRAI*i*DE™ was conceived by BAE Systems and developed with the Salamander Organization to support decision making and capability trades, both within and between capabilities.



## Process and Information to help understand complex capability issues

Defence is a complex business, with many elements coming together to deliver capability. Understanding these elements and their inter-dependencies is key to identifying and managing business improvement. TRAI*i*DE™ enables information to be managed effectively and ensures a single, coherent view of the truth.

### Data Capture

The TRAI*i*DE™ methodology includes techniques and links to tools that can be tailored to the problem in hand and deployed across the whole of the Defence arena.

#### Benefits:

- > Inclusive, leveraging previous investment, allowing the most appropriate tools and information to be utilised, saving time and money.
- > Data repository provides the foundation for analysis, option exploration and assessment.

### Data Modelling & Manipulation

TRAI*i*DE™ provides a structured environment in which to explore the problem space, identify potential solutions and then undertake analysis to support trade-offs and courses of action.

#### Benefits:

- > Extensible, with an iterative approach to capture and exploit information.
- > Derives solutions by considering all elements of a business enterprise.
- > Provides the basis for cost and capability trade offs.

### Visualisation & Decision Aids

Quickly identifying the major issues and drivers of an enterprise is key to maximising efficiency. TRAI*i*DE™ provides visualisation sets that enable complex issues and interactions to be readily understood.

#### Benefits:

- > Uses existing MOD enterprise structures (i.e. MODAF) and other visualisations to increase understanding and confidence
- > Readily enables a common visual understanding of the problem space for both the customer and supplier.

# CASE STUDIES

## COMBAT AIR DECISION SUPPORT



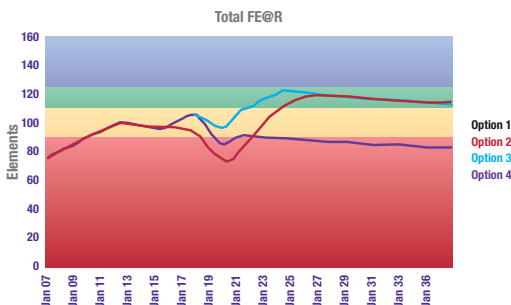
### The project:

Working with the MOD, we developed a cross DLoD operational model to assess the impact on capability and sustainability of potential changes to the RAF's fast jet fleet. Issues considered included:

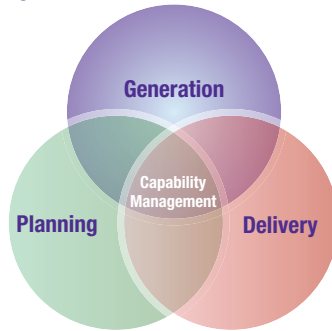
- > The move towards synthetic training in light of rising fuel costs.
- > How any platform in-service delays would impact on cost, capability and DLoDs.
- > The effect of various fleet management strategies on Force Elements at Readiness and other metrics.

### The result:

We quantified the complex relationship between key inputs, including the extreme tipping point between the size of the training fleet and the number of combat-ready aircraft.



## PROGRAMME BOARD INFORMATION ENVIRONMENT



### The project:

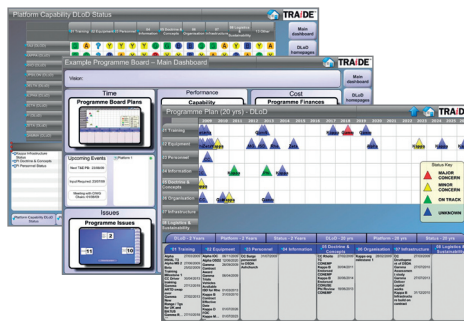
To provide data gathering, analysis and visualisation support to the DGLE Programme Support Function (PSF).

Because of the number of organisations and amount of data to be collected and analysed, the PSF had a number of challenges in performing their role.

Working jointly with the MOD and TRAiDE™ partners, a TRAiDE™ management information dashboard was developed. This solution managed the relevant data and provided simple input mechanisms that caused minimum disruption to the numerous stakeholders.

### The result:

This enabled data coherence issues to be identified and addressed whilst clearly communicating the key programme management information. This led to an increase in the effectiveness of the PSF, enabling better Programme Board operation.



## SUBMARINE SYSTEM SUPPORT



### The project:

This project focused on helping understand the linkages between submarine sub-system elements including how each element was planned and delivered to generate underwater capability.

By working with the submarine subject matter experts, CORDA developed an Enterprise model within TRAiDE™ and used it to highlight current inefficiencies and opportunities, providing the evidence to support proposed changes to the current governance structure.

### The result:

The work undertaken has led to high level discussions between both MOD and Industry, exploring how governance structure improvements could be made to enable the required capability to be delivered at minimum cost.

