

## Trials & Experimentation Management

Coordinate trials. Validate assessments.

Accelerate decisions.



### Challenge:

Trials and experimentation are hard to coordinate and scale.



### Impact:

Results are difficult to analyse, compare, and reuse.



### Exonaut delivers:

Integrated planning, execution, observations and analysis.



### Outcome:

Turns trials into evidence for capability and procurement decisions.

New technologies and capabilities must be rapidly tested and evaluated. Yet trials and experimentation are often fragmented across teams and tools, limiting coordination and slowing the use of results.

Exonaut Trials & Experimentation connects planning, execution, and analysis in a single environment, enabling structured activities, consistent observations, and faster generation of actionable insights.

## Key Features

### Overview for portfolio visibility and task management

Provide a consolidated view of all trials and experimentation activities, including events, timelines, objectives, and tasks. **Why it matters:** Enables stakeholders to understand portfolio activity and keep aligned on priorities and responsibilities.

### Event planner for coordinated programme management

Organise trials and experimentation within structured campaigns and multi-year programmes according to capability development priorities. **Why it matters:** Reduces duplication and ensures activities are coordinated and aligned to strategic objectives.

### Event designer for objective-driven experimentation

Define intent, hypotheses, objectives, and evaluation criteria, that link activities to outcomes and capability questions. **Why it matters:** Ensures experimentation produces traceable and objective evidence.

### Event execution for consistent data capture

Coordinate execution and capture structured data from observers, operators, and systems across distributed environments. **Why it matters:** Ensures reliable and consistent evidence is collected.

### Analysis for decision-ready insight

Analyse collected data using visualisation and AI-supported tools to evaluate performance, compare treatments, and identify outcomes. **Why it matters:** Converts complex data into actionable insight.

### Reporting for structured and rapid output generation

Generate standardised reports, findings, and recommendations from evidence and analysis. **Why it matters:** Streamlines and speeds up reporting for evidence-based decisions.

### Asset catalogue for consistent capability tracking

Maintain structured records of systems, platforms, and capabilities under evaluation across events and campaigns. **Why it matters:** Enables consistent comparison and tracking of performance over time.

### Knowledge repository for continuous evidence exploitation

Store, search, and reuse validated outputs, reports, and insights across trials and experimentation. **Why it matters:** Builds a reusable evidence base that supports long-term capability development.

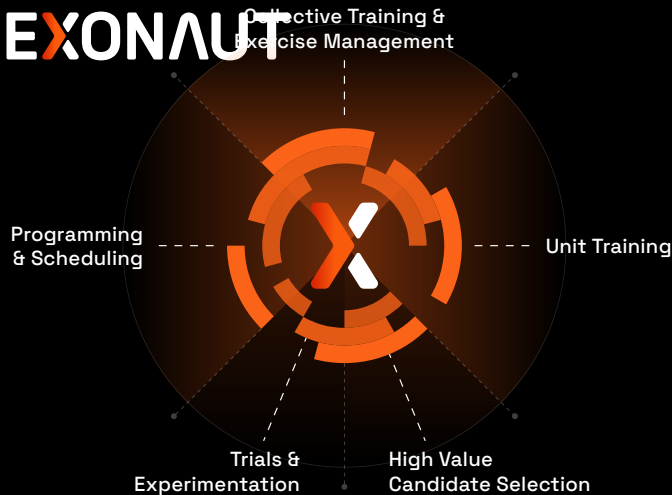
# NATO Trials & Experimentation (Project TALOS)

**Background** NATO wanted to accelerate capability development by improving how trials and experimentation activities were planned, executed, and exploited across the Alliance. As the number of events increased, a more structured and collaborative approach was required.

**Challenge** Deliver a user-friendly, NATO-ready solution to design, plan, and evaluate trials and experimentation. The system should connect strategic and tactical levels, align activities centrally over a five-year horizon, and enable real-time observation capture, analysis, and secure sharing of lessons to inform capability development across the Alliance.

**Result** Exonaut is a centralised digital platform for trials and experimentation activity that supports Project TALOS. It connects planning, design, execution, and analysis within a single environment. Activities are aligned across a coordinated multi-year programme, with real-time data capture and AI-supported analysis generating structured, defensible evidence.

This improves visibility and long-term planning, reduces duplication, and enables faster, evidence-based decision-making, while building a reusable knowledge base to support ongoing capability development across the Alliance.



## EXONAUT

### The Global Standard for Training & Exercise Management

Trials & Experimentation Management is a part of the Exonaut Platform, which connects headquarters, training centres and regiments in one integrated system for planning, design, execution, analysis and exploitation of training and exercises.



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