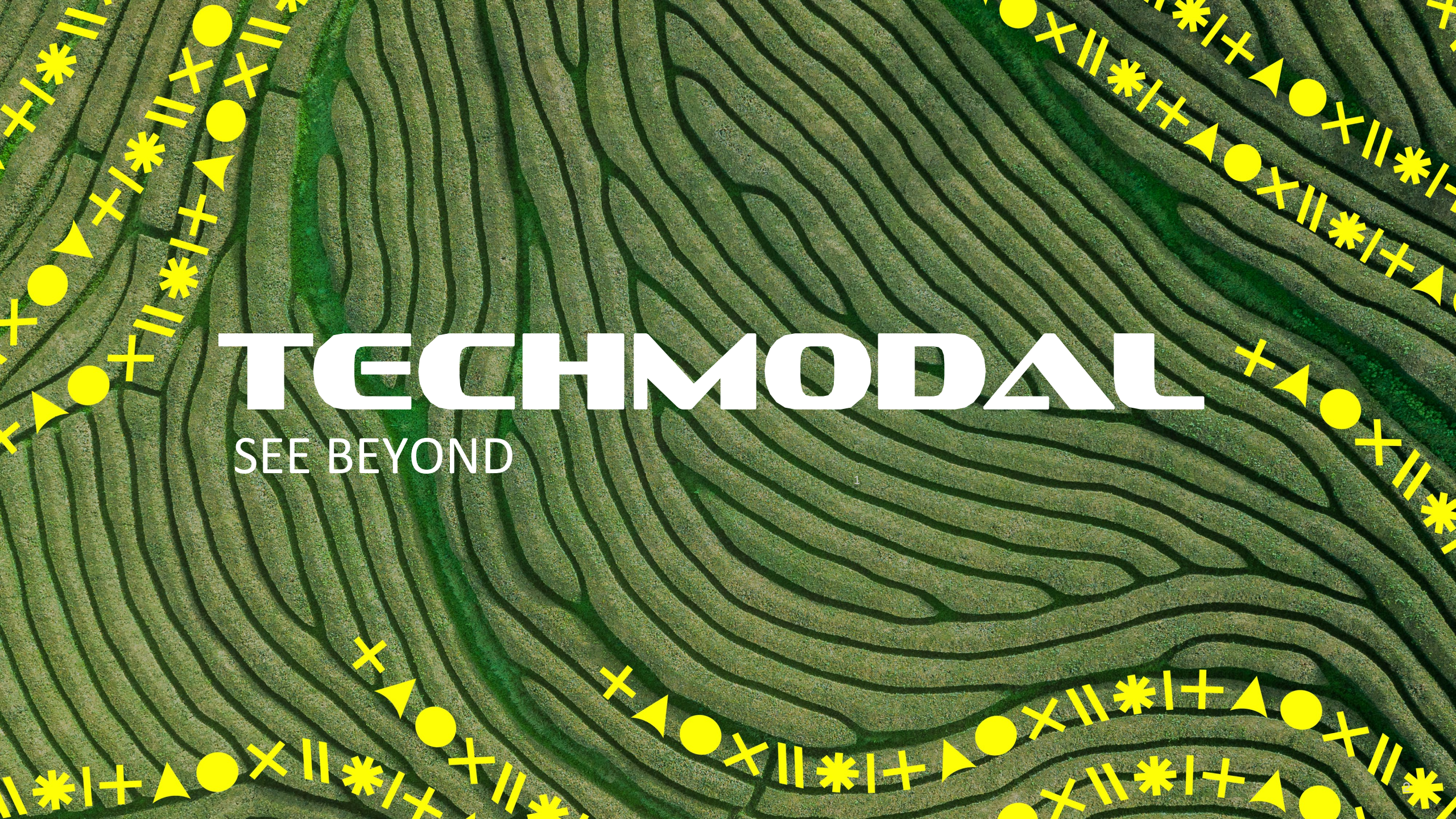




TECHMODAL

SEE BEYOND

WHO WE ARE

See Beyond with Techmodal

A collaborative data, analytics and decision support consultancy, helping organisations make better decisions and deliver better outcomes — faster, and with confidence.

We work alongside our clients in complex, regulated and high-consequence environments, focusing on real-world impact over theory.

TECHMODAL

HOW WE DELIVER

Analysts, consultants, developers and domain experts.

One joined-up team, built around your challenges.



DATA SOLUTIONS

Turning complex data into confident action

- AI & automation
- Secure data platforms
- App development

DECISION SUPPORT

Helping leaders act with confidence under pressure

- Modelling & Simulation
- Operational Analysis
- Data Analysis
- Wargaming

CONSULTING

Making change happen with you, not to you

- Strategy & change
- Technical consultancy
- Embedded delivery

TECHMODAL

HOW WE SUPPORT CONFIDENT DECISIONS AND OUTCOMES

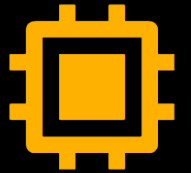
Decision advantage

Helping leaders act with clarity and confidence under pressure.



Technology that works

Solutions that fit real users, real constraints and real environments.



Delivery impact

Turning ambition into outcomes through embedded, fast-moving delivery.



Secure & complex environments

Trusted to operate where reliability, assurance and governance matter most.



Powered by BAE Systems Digital Intelligence

Combining agility with scale, security and long-term assurance.

PROVEN IN UK DEFENCE

- Faster, clearer decisions at every level.
- Secure, scalable solutions in sensitive environments.
- Embedded teams who transfer know-how.

TECHMODAL



Case Studies



DATA SOLUTIONS

CASE STUDY UNIFIED ARMY DATA PLATFORM



CHALLENGE

- Manual planning and reporting slowed inventory decision-making.
- Multiple data sources created duplication and inefficiency.

SOLUTION

- Built a secure, modular platform for planning, logistics, and reporting.
- Automated workflows and created a single trusted view.

OUTCOME

- Dramatically reduced admin burden.
- Faster, more confident workforce and readiness planning.

DATA SOLUTIONS

CASE STUDY TRANSFORMING ACCOUSTIC DATA



CHALLENGE

- Operators needed faster, more accurate detection of complex acoustic signals, without disrupting workflows.

SOLUTION

- Developed deep learning models to classify raw data, tested in secure environments, and refined through user feedback.

OUTCOME

- Improved speed, clarity, and confidence in decisions.
- Delivered a scalable framework for future multi-domain use.

DECISION SUPPORT

CASE STUDY 20+ YEARS IN DEFENCE SUPPORT



CHALLENGE

- Increasing need for accurate and timely data led insights to inform strategic and operational planning, policy, and innovation decisions.

SOLUTION

- Embedded with Defence Support for 20+ years.
- Delivered OA, data science, modelling, and wargaming expertise.

OUTCOME

- Trusted, integrated partner.
- Consistent, evidence-based support across policy, planning, and innovation.

DECISION SUPPORT

CASE STUDY MEDICAL PROCESS MODELLING



CHALLENGE

- Needed better insight into medical logistics and casualty flows.
- Limited time to deliver analysis for operational planning

SOLUTION

- Built a hospital flow simulation in 10 weeks.
- Modelled casualty and resource impacts at scale.

OUTCOME

- Improved planning for medical support.
- Enabled faster, evidence-based readiness decisions.

DECISION SUPPORT

CASE STUDY ANALYSIS-LED WARGAMING



CHALLENGE

- Needed to inform joint force and international security decisions.
- Required a robust, repeatable wargaming framework.

SOLUTION

- Co-developed the Analysis-Led Wargaming Framework
- Established tools, protocols, and analysis methods.

OUTCOME

- Framework now UK standard.
- Informed Strategic Defence Review and PM-level dialogue.

CASE STUDY AI-POWERED APP DEPLOYED SECURELY AT SCALE ACROSS DEFENCE



CHALLENGE

- We were tasked to develop and deploy a secure, scalable web app for MOD-GPT powered by a Large Language Model using Defence Dev Sec Ops (D2S), hosted in MODCloud Azure.

SOLUTION

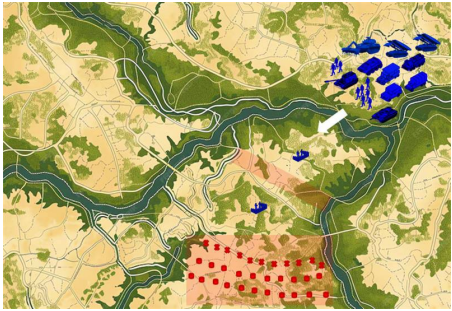
- We worked alongside DAIC (Defence AI Centre) to design, test, deploy and support the app. The app included live monitoring for usage, risks, and quality, plus a regular feedback loop via a user-developer forum.

OUTCOME

- 150+ active users and growing
- Automated checks for data security and quality
- Continuous improvement through user insight

DECISION SUPPORT

CASE STUDY NATO SACT



CHALLENGE

- NATO needed to assess current Combat Engineering equipment capabilities against alternative concepts to enhance assured mobility, counter mobility and survivability

SOLUTION

- From the ground up, Techmodal developed an iterative and repeatable analysis-led study through 3 core phases: Discovery & Definition | Qualitative Analysis | Quantitative Analysis

OUTCOME

- Structured, evidence-based assessment of current and emerging combat engineering capability options.

Joe Riley | j.riley@techmodal.com

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