

2GoCloud Defence Capabilities



2Go delivers rapid deployment, secure BYOD access, and a streamlined mobile experience for the Warfighter

Modernise legacy application with mobile-first digital transformation

Combat application obsolesce – extend the app lifecycle

Provide an agile approach for mobility for the warfighter

Q&A



Charles Halden – Global Director Business Development – Channel Alliances



2Go Defence – for the warfighter



Any application anywhere on a mobile device in days with no code

Secure by design mobile use of **ALL** business app on mobile device

Applications modernisation without the need to develop any mobile apps

Warfighter advantage in defence operations with real-time, secure, agile and adaptable access to digital platforms

Access to both modern cloud-based applications simultaneously with legacy applications, regardless of vendor or age of software. Delivering mobile apps in hours with no coding

Supporting the warfighters in contested environments such as Ukraine



What is 2Go

One app into all business applications = A single pane of glass into all apps – single sign on

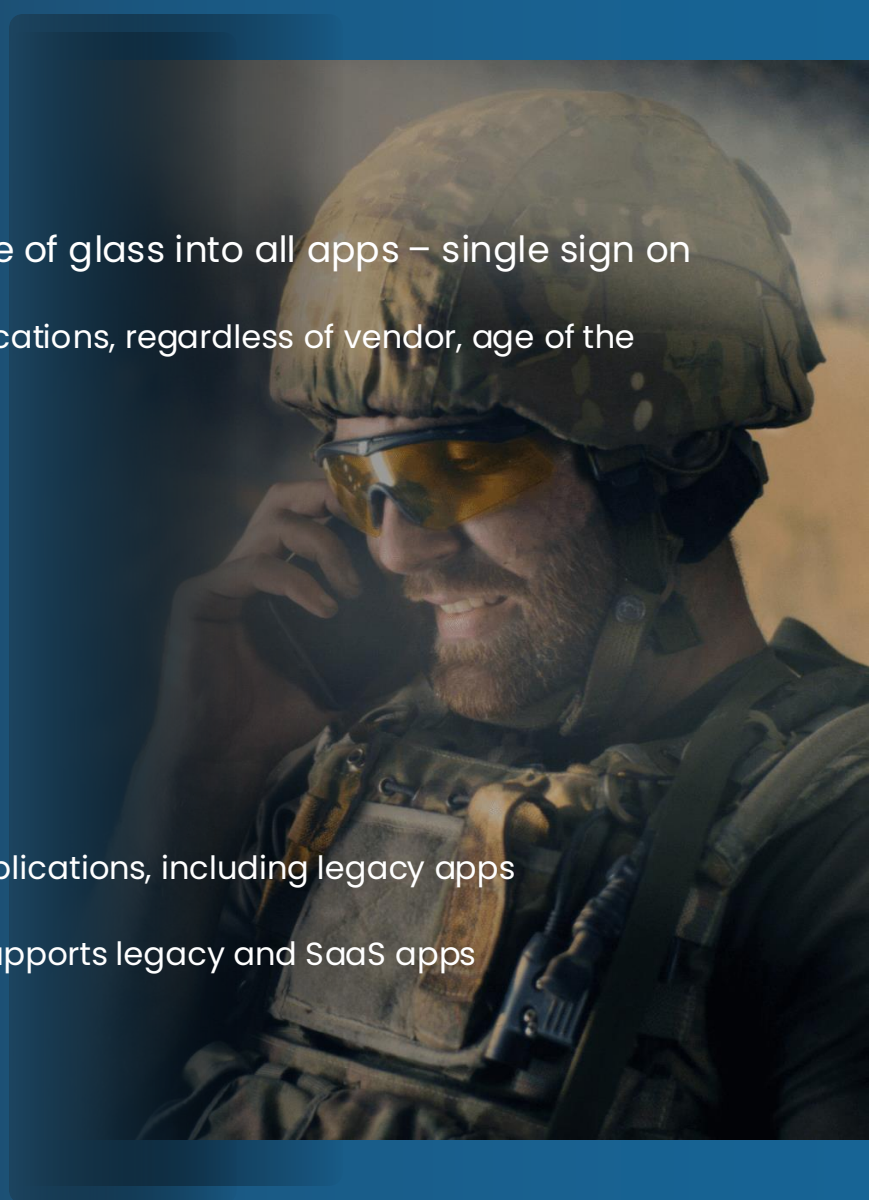
Access on a variety of devices including mobiles to ALL applications, regardless of vendor, age of the application or development technology used to create it

Easily switch devices for operational continuity



Ability to work wherever, whenever they want, on all their applications, including legacy apps

Secure access across devices, no data stored on devices, supports legacy and SaaS apps





How does 2GoCloud work?

Uses existing gateway connections and can also utilize secure VPN connections

Delivering, on demand, bidirectional content from the application servers to enable content to be viewed on a device of choice - BYOD

The warfighter can securely view and interact with all the content they are familiar with but with productivity enhancements

Filling forms, creating reports, and reviewing critical data available on mobile devices in the field

No data is stored on the device

We don't see any of your data



Custom gestures and voice commands for ease of use

What are the issues?

Defence digital platforms are slow and expensive to mobilise which are inhibitors to agile combat operations – **Providing agility to the warfighter**

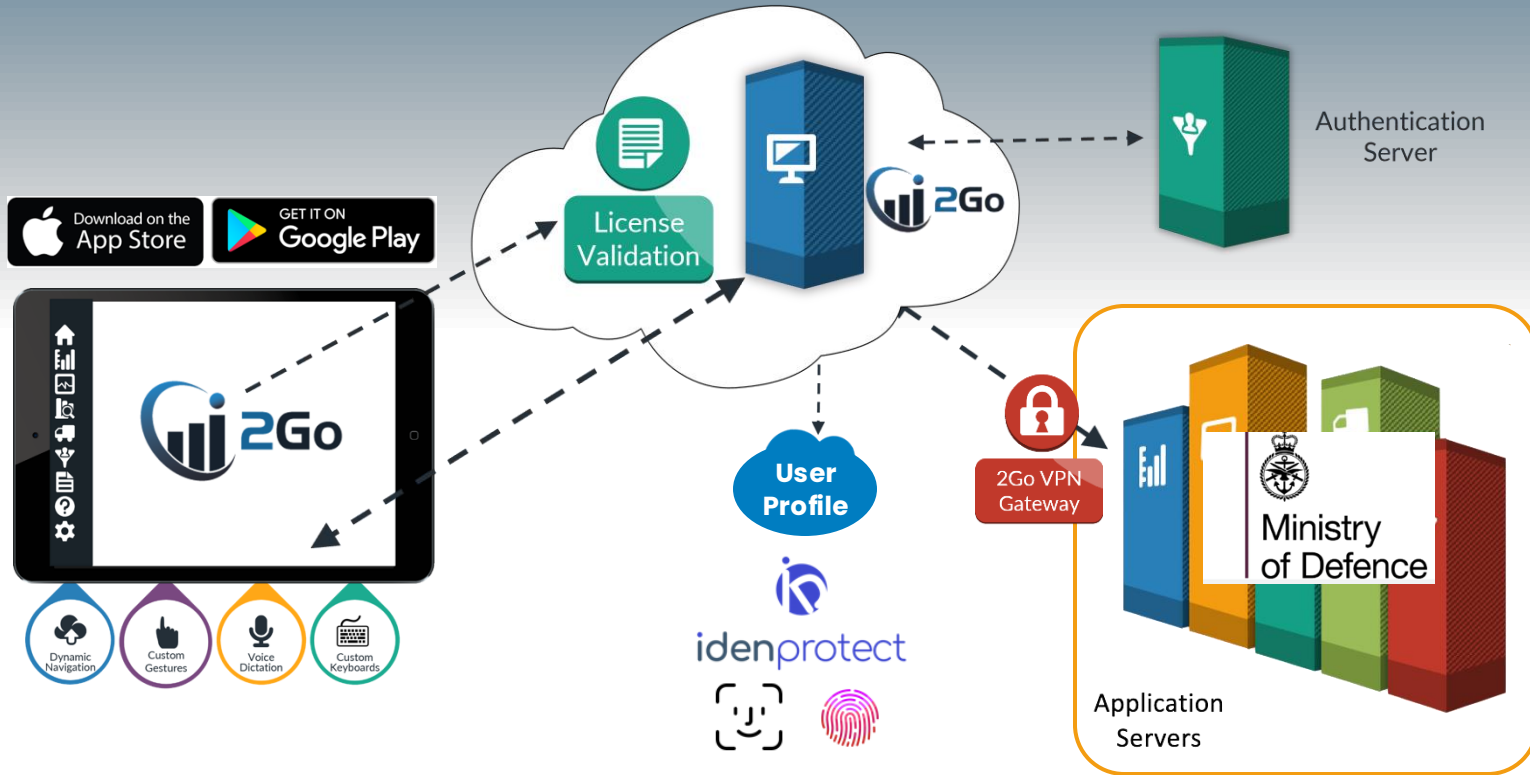
Problem

- ❌ The level of investment required
- ❌ The level of disruption caused
- ❌ Task-specific
- ❌ System-specific
- ❌ Legacy applications
- ❌ Risk of data loss or theft
- ❌ Lack of agile combat mobilisation

Solution

- ✅ Go mobile in days without app development
- ✅ Familiar user interfaces = no re-training
- ✅ Work across multiple applications
- ✅ Cope with changes to systems
- ✅ Legacy applications AND SaaS
- ✅ No data stored on the device – allows BYOD – extra secure with 2GoCloud & idenprotect
- ✅ Ukraine has shown the importance of rapid development and agile deployment

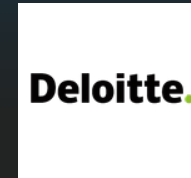
How 2GoCloud works



Global Coverage – Dynamic Device Routing



Trusted by Leading Defence Organisations Worldwide



Mobile device view – Fast, intuitive & easy to use



Simple Icon Based Navigation

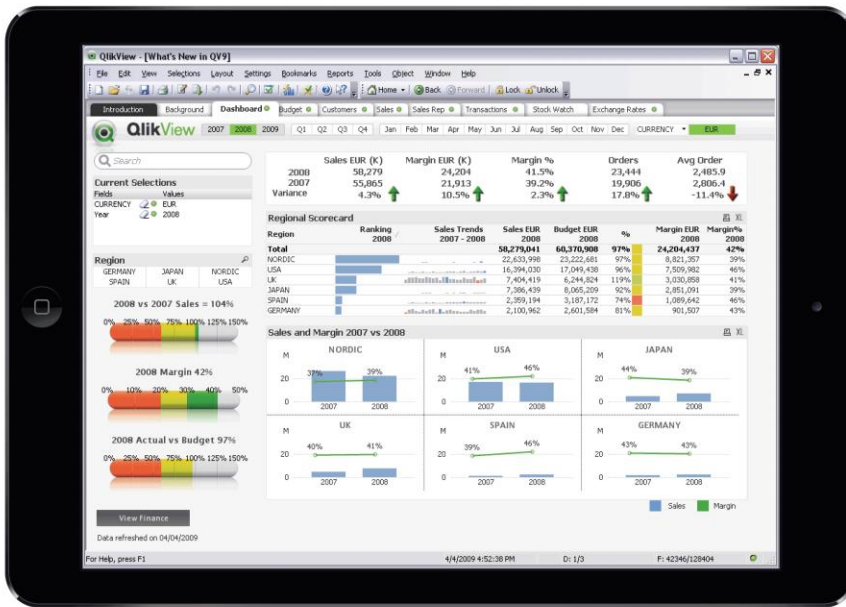


Readily identifiable application icons



Navigation by
Application Icons

Full screen use of underlying applications

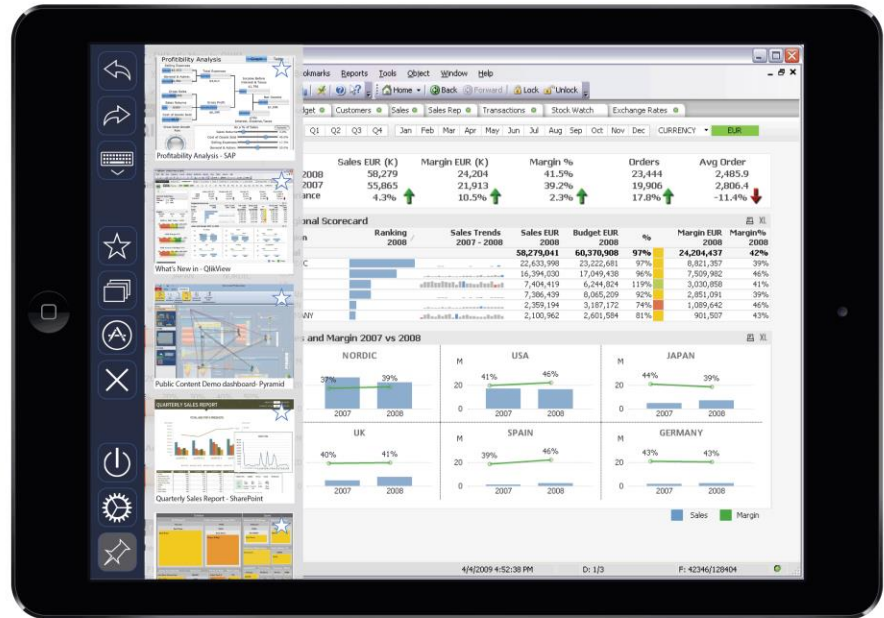


Full screen, bi-directional dynamic interaction

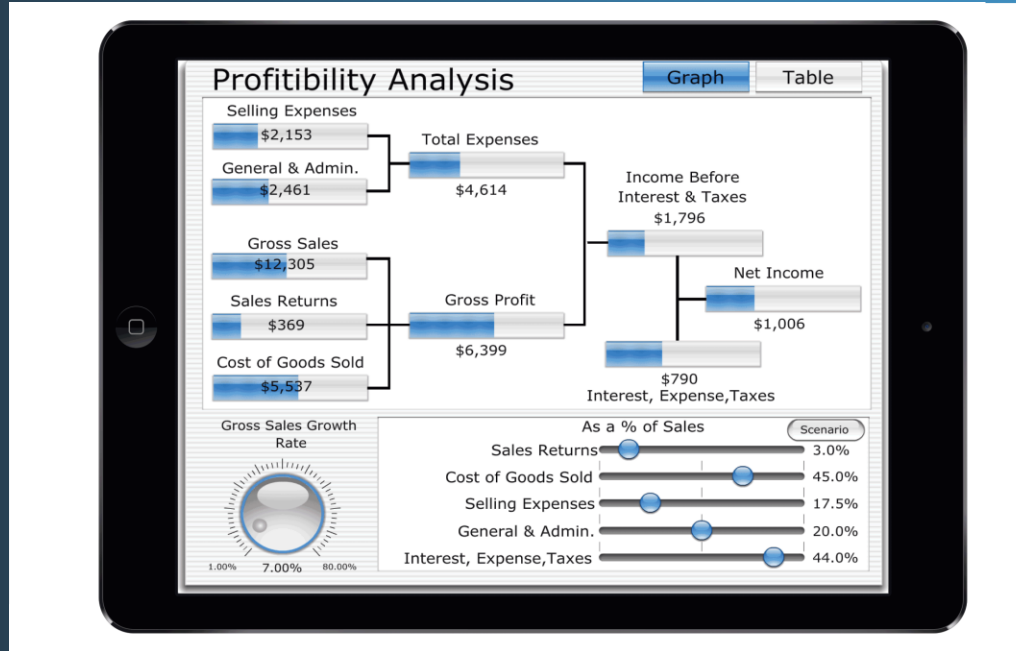
User definable favourites



Navigation by Favourites
and Custom Gestures



Session history via thumbnails



Navigation by Favourites
and Thumbnails



Why is 2GoCloud the for the War Fighter?

- ✓ Fully secure by design & complies with defence standards
- ✓ Rapid deployment & resilience – Delivered in days
- ✓ Enables secure BYOD use
- ✓ Reduced training burden
- ✓ Greater operational efficiency
- ✓ Enhance decision-making and situational awareness
- ✓ Highly cost-effective > 75% lower TCO than alternatives

Business Modernisation for Support (BMfS) and the role of 2Go



- ✔ **BMfS** – streamlines processes and updates information services for better user experience and information
- ✔ Secure by design access to data, across multiple devices
- ✔ Enables voice-recognised data collection and easy application switching, saving time and costs
- ✔ Access multiple applications securely on mobiles including BYOD

Defence engagements to date – not exhaustive



- Consensus – MOD have over 700 apps they are eager to mobilise
- Application Obsolesce – Extending App Lifecycle – Digital transformation to mobile

Sterling – DELL Defence Mission Critical – Trial

Charles Forte – DG CIO U.K. Defence

Mivy James – Chief Technology Officer – Meeting 17 Sept

RAF Digital – Brad Buck – Chief Digital Technology Officer & George Carlton

Prof Patrick J Baker | RAF RCO Hd Science AiX / AEU

Gaby Gower – Defence Design

Joanna Rowland – Director General, Customer Services Group

Mike Feltham Head of Innovation

Debbie Hardy Innovation Strategy, UK Defence

Mike Morton – Head of Digital Strategy

Colonel Robert (Bob) Christopher – MBE | Assistant Head | Army Digital Services Army HQ

Mark (Chopsey) Cornell – Previous Asst Hd Army Digital Services

George Carter – Data & Analytics Leader – RAF Digital

Jez Holmes – RAF Commodore – Rapid Capabilities Office (RCO)

David Hawken – Deputy Head of Digital Strategy – UK Ministry of Defence

Dr Natasha Fox – Defence Innovation Unit Deputy Head – Sept

Dave France – Director, Core & Information Services Defence Digital | Strategic Command – Sept

Geoff Howes – Deputy Head, Portfolio & Outreach Defence Innovation Unit

Brigadier Jaimie Roynance OBE Royal Marines Chief Technology Officer (Navy) and Assistant CGRM (Engagement) | Royal Navy



[Key Account – Scottish Water selects 2Go to deliver Citrix replacement](#)



Satisfied with your remote access software? You could save 75% of the costs with 2GoCloud

2Go is simpler, straightforward approach which requires significantly less hardware and IT skills to implement yet still delivers the ability for users to work securely and remotely on all the systems

Delivers remote access (VDI) capability with none of the attendant issues highlighted above but can deliver up to **75% lower TCO than Citrix or VMWare alternatives**

Strong alternative to “the usual suspects” and to help clients understand the implications, we’ve recently created a Comparative Analysis between 2Go and a couple of the leading vendors

citrix

vmware®



Competitive Calculator for Remote Operations



75% lower TCO than Citrix or VMWare alternatives

2GoCloud comparative calculator for Remote Operations

This comparative calculator is designed to allow you to "model" the potential savings from changing between solutions used in Remote Operations

In order to use the calculator all that is required is to select the vendor (or vendors) you wish to use as the comparison and then enter the relevant values for the number of users required and the length of contract term

Product options

Citrix Daas

Omnissa (ex-vmware Horizon)

Windows365 Cloud Pc

Azure Virtual Desktop

Amazon Workspace

Parallels

Change values?

Use each slider to select the overall number of users required

0 100

100 1,000

1,000 10,000

10,000 100,000

Total selected: [RESET](#)

Use each slider to select the length of contract term required

1 5

Include maintenance costs Yes/No?

Include hosting & support costs Yes/No?

	per user p.a.	Costs over the period selected	Estimated savings with 2GoCloud over the period	
2GoCloud	£42	£420,000		
Citrix DaaS	£354	£3,537,600	£-3,117,600	-88.13%
Omnissa (ex-VMWare Horizon)	£129	£1,285,200	£-865,200	-67.32%
Windows365 Cloud PC	£557	£5,568,000	£-5,148,000	-92.46%
Azure Virtual Desktop	£149	£1,488,000	£-1,068,000	-71.77%

Show Charts

Export to PDF

Book a demo

Scottish Water selects 2Go to deliver Citrix replacement

Quote

"We wanted to move away from the reliance upon old, inefficient, and expensive technology and allow our customer-facing colleagues to access live asset data on mobile devices

However, using legacy applications on modern mobile devices is a challenge – so we turned to 2Go for their expertise

They introduced us to one of their specialist partners, 2Go, who were quickly able to show us how their 2Go Universal Mobile Access solution could provide the answer

This has rapidly progressed through a proof of concept and is now providing a secure, reliable, and familiar solution for our field colleagues."

Alex Scott - Programme Manager, Scottish Water

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Questions

Application obsolescence – Extend application lifecycle & Digital Transformation to Mobile
Projects & Trial POC's – 700 + apps
Bring Your Own Device – BYOD
Supporting the warfighters in contested environments such as Ukraine
Ready to Mobilise Your Defence Operations? Let's Talk Next Steps...

Useful links

[2GoDefence](#) - gives you the advantage in defence operations with real-time, Secure, agile and adaptable access to your digital platforms

[Business modernisation for support \(BMfS\) and the role of 2GoCloud](#)

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Apache iX Ltd

Team Defence Information - SME Showcase

Andrew Page & Johnathan Milsom
September 2024

Apache iX Limited

26th



We work with government and industry to help deliver national security objectives by providing pragmatic, trusted and collaborative technical consultancy support.



We are a growing SME

- As an independently owned company we have a particular strength in working client side helping MOD deliver their capabilities by providing project and programme management, business case approvals, cost and risk modelling, requirements development, procurement and delivery support.
- We have domain strengths in Defence Digital, GeoINT (IMaGE DT), MOD Defensive Cyber (CyDR), End User Services (EUS) and Maritime (surface and sub surface).
- Our ICT engineering and technical capabilities (DevSecOps) are growing and we are applying this to the challenges we identify through our client-side engagements to develop various products and services.
- How we work:
 - We deliver high-quality services and consultants
 - We thrive in leading and being part of rainbow teams
 - Our client feedback reflects this leadership and high-quality delivery



Our capabilities



Strategy & Analytical Services

We'll create new insights, knowledge, and understanding to help you address the challenges posed by environmental, competitor, strategic, and technological changes.

Case Studies

Network Analysis (ASTRID)
Super Enabled Entities (ASTRID)
Complex Deterrence
BRAWLER
JEDHub (UKDSC)



P3M / P3O

We'll provide experienced consultants to work with your teams, combined with our P3M toolset, as needed, to deliver traditional, agile, DevOps across your Projects, Programmes & Portfolio.

Case Studies

PICASSO
EUS(S)
BRAWLER
MARS
DCO
NSIGN



Specialist P3M

We'll use specialists in their field to bring honest, pragmatic, high-quality analysis & advice to your acquisition, procurement, proposal or single source regulated environment.

Case Studies

DCO
EUS(S)
BRAWLER
AUKUS
DNO



BA & SE

We'll employ structured systems thinking to help understand your current business processes, identify opportunities for improvement efficiency & help enable complex change.

Case Studies

BRAWLER
PICASSO
UKEF



Digital, Data & DevOps

We'll bring specialist expertise to rapidly design and deploy demonstrator capability that meets user needs, is secure and is easily adopted by through life owners.

Case Studies

BRAWLER
PICASSO
Red Change Team
CID
Serapis Taskings



Campaign Portfolio Overview

Head of Business Development.



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Adjacent Sectors

Research and Development

End User Service (S)

EJS-S, FC, Brawler,
BR

Cyber Services

DCO CSP,
DIFD, VMST

Mission Information Exploitation (MIX)

MARS

Geospatial / Defence Intelligence

PICASSO, CID,
Red Change Team

Procurement Services

NSIGN, DADP,
EDP (Various)

Serapis
(A2ISR),
ASTRID
(Various)



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Apache iX Account Leads



Our capabilities

Solid coverage of P3M certifications across our workforce (examples):



Accreditations:



All staff have minimum of SC



MOD Accredited IT to OS Level



Cyber
Essential Plus



QMS to
ISO 9001





For further information please see the following, or contact a member of our leadership team.

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RED Scientific Ltd

TDI SME Spotlight September 2024

'The Science Behind Improved Decision Making'

Who We Are



- ◆ Digitally Enabled Engineering Services, Data Science and OA.
- ◆ Established 1990, Privately Owned
- ◆ Offices in Alton, Hampshire
- ◆ Staff distributed nationally
- ◆ SME
- ◆ Many hundreds of associates
- ◆ Strong links to academia
- ◆ ISO9001:2015, CE+, FSC, IPSA

Our Values



- ◆ End-Customer Focus
- ◆ One Team Approach
- ◆ Adding value not cost
- ◆ Integrity, supporting each other through good times and bad
- ◆ Desire to contribute to the improvement of society and the environment

- ◆  **EMPLOYER RECOGNITION SCHEME**
SILVER AWARD
Proudly supporting those who serve.

What We Do

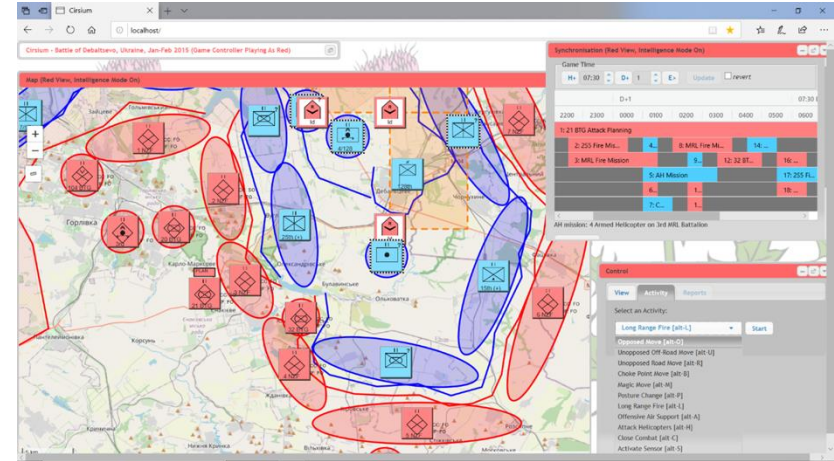


- Digitally Enabled Engineering Services
- Equipment Maintenance Database Services
- ILS/ IPS
- Systems Engineering
- Safety & Environmental Management
- Task Based Engineering
- Modelling & Simulation
- Operational Analysis
- Digital Wargaming
- Data Science
- Software Development
- AI/ML
- Contingent Resourcing

Cirsium – Army LWC



- A sophisticated Digital Analytical Wargame used by Land Warfare Centre and HQ ARRC.
- Developed and validated with input from detailed analysis of over one hundred historical battles.
- Engagements at corps and divisional level are modelled. Uses include Force on Force analysis, Options Assessments, Logistics studies and training.



Cirsium Features



- Terrain based speed of movement
- Target acquisition by sensors & intelligence
- Intelligence based views
- Realistic force movement
- Variable time step
- Orders of Battle
- Attrition
- Close combat
- Rotary & fixed wing
- Logistics
- Casualties
- Available on MODNET

Organon – AI Agents

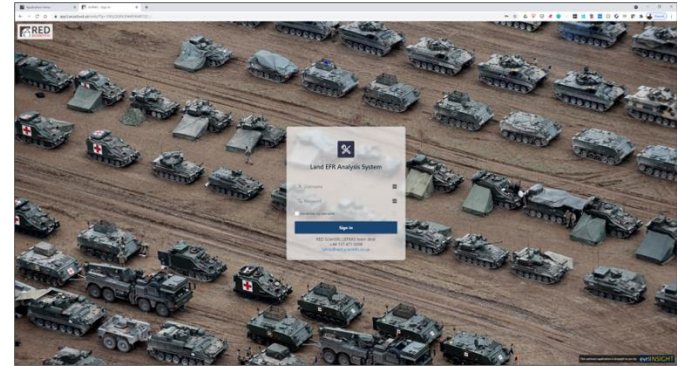


- Agents to take the place of either or both sides for
 - More efficient use of resources
 - Training
 - Modeling / Simulation – games at machine speed.
- ML vs. Rule Based?
- Code refactoring
- Literature review of existing techniques / learning
- Analysis of decision landscape / Maintaining fidelity whilst simplifying decisions
- V&V Strategies

LEFRAS - LEOC



- ◆ LEFRAS is the Land Equipment Failure Reporting and Analysis Service.
- ◆ Evergreen Oracle based solution integrating PowerBI, securely hosted and available on MODNET.
- ◆ Data ingested from JAMES daily.
- ◆ Support desk cleansing data, training and providing insight.
- ◆ Advanced analytics illuminating opportunities to bring real world safety, availability, and cost benefits to supported assets.
- ◆ Reports for DE&S Project Teams to initiate Post Design Services covering modifications, obsolescence management and safety upgrades. One intervention saved £650k pa.
- ◆ Now in use outside LEOC due to track record of positive outcomes.



DE&S Support



Within DE&S we support the following delivery teams with Engineering Services:

- Specialist EOD&S Exploitation and Countermeasures Team (SEEC DT)
- Special Projects Intelligence, Surveillance & Reconnaissance (SPISR DT)
- Special Projects Intelligence, Surveillance & Networks (SPISN DT)
- Special Projects Tactical Communications (SPTC DT)
- Force Protection ECM (FP ECM DT)
- Force Protection ECM EOD (FP ECM/ EOD DT)
- Joint Electronic Surveillance (JES DT)
- Multi Launch Rocket System (MLRS DT)

We also support the following System Integrators:

- Drumgrange
- LEIDOS
- Thales
- LEONARDO
- BAE Systems
- L3 Harris

Other Digital & OA



- OA Support to DSTL Bright Corvus
- OA Support to DSTL GBAD
- DSTL literature review for Broad AI and Machine Optimisation
- Report on the Science of Deterrence
- Data Science using operational and maintenance data to improve helicopter availability
- Lightweight engagement outcome tool for Army LWC
- DSTL Sonar Innovation

Any questions?

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