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# Training Management Transformation in North America

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**“Tell me and I forget, teach me  
and I may remember, involve  
me and I learn.”**

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– BENJAMIN FRANKLIN

# Military Domain Challenges in North America

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Synthetic Training Environment



Wargaming Center



Joint and SOF Training

# 4C North America Approach

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1

Focuses on meeting multiple customer demands in rapidly shifting training environments

2

Implements domain and customized platform solutions to meet specific training demands from Individual to Joint/Theater level strategic wargaming requirements

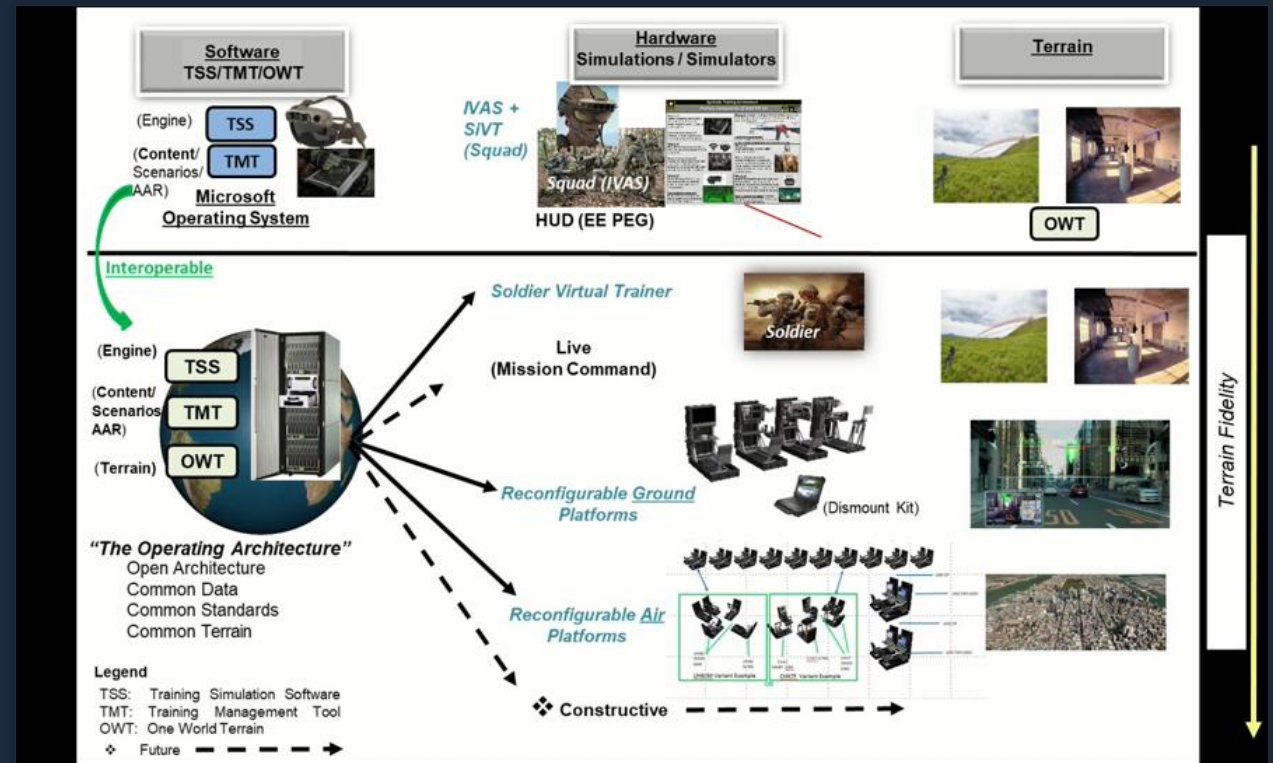
3

Domain approach provides necessary flexibility to meet military, public safety, and corporate sector requirements now and in the future

# Example - Synthetic Training Environment (STE)

## CUSTOMER'S VISION

- ✓ Integrated Solution for Training Management
- ✓ Initial focus on virtual environment
- ✓ Eventually links Live and Constructive
- ✓ Provides modular, open architecture with one world terrain and leverages AI/ML



# Example – USMC Wargaming Center (WGC)

## WGC PROCESS

- ✓ Follows 7 Step Process (Define, Scope, Design, Develop, Rehearse, Execute, and Post Event)
- ✓ Supports distributed collaborative planning, scenario development, simulation execution, and assessment of results
- ✓ Captures player decisions and event outcomes, enables the collaboration and sharing of data, and provides visualization of wargame data from Battalion to National Command Authority





## Canadian Joint and SOF Training

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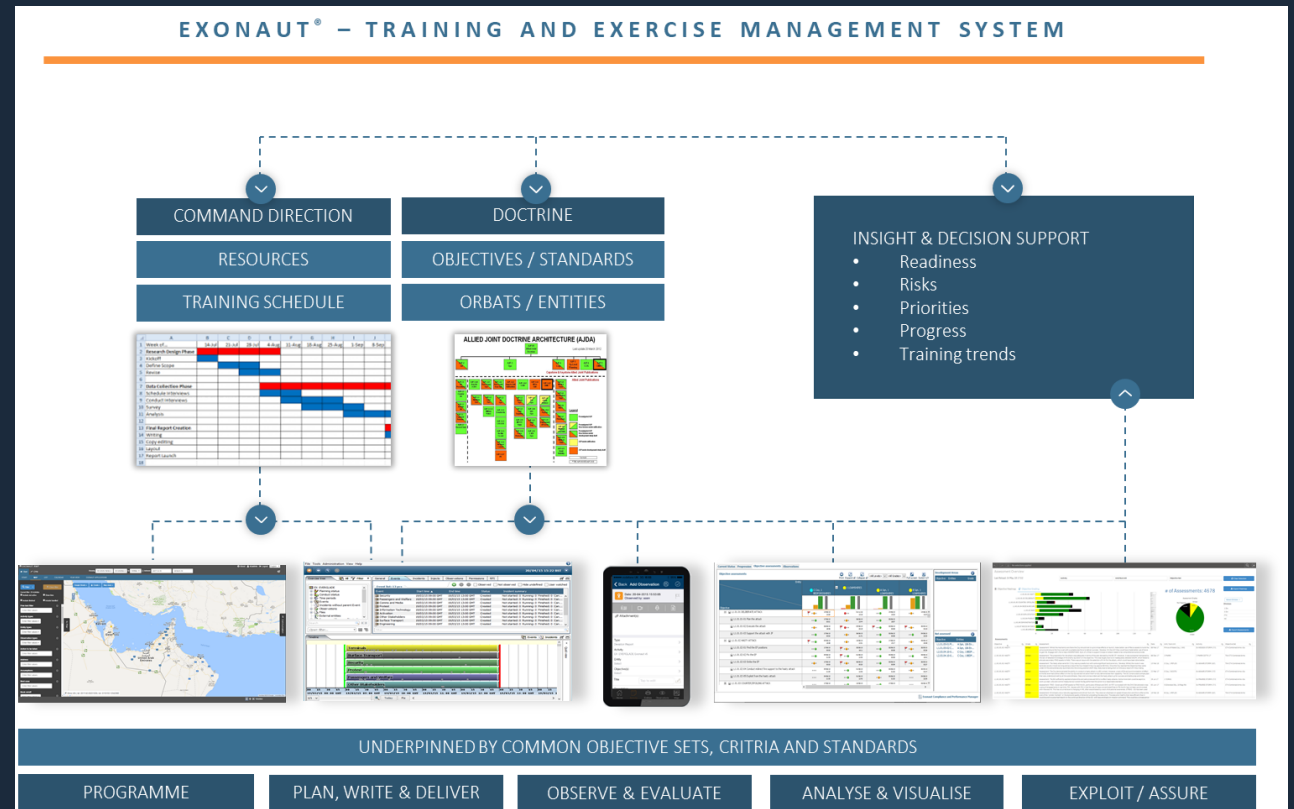
- ✓ Canadian Armed Forces J7 organized training across various domains and environments
- ✓ CANSOFCOM 5-eyes exercise GLOBAL ARCHER
- ✓ Other Governmental Agencies with interest in customized solutions



# Custom Solution Benefits (US Army)

## FOR COMMANDERS & TRAINERS

- ✓ Set up training with links to authoritative data sources
- ✓ Integrate training with simulation and mission command systems
- ✓ Monitor and adjust training during execution
- ✓ Capture training results for AARs and in-depth analysis

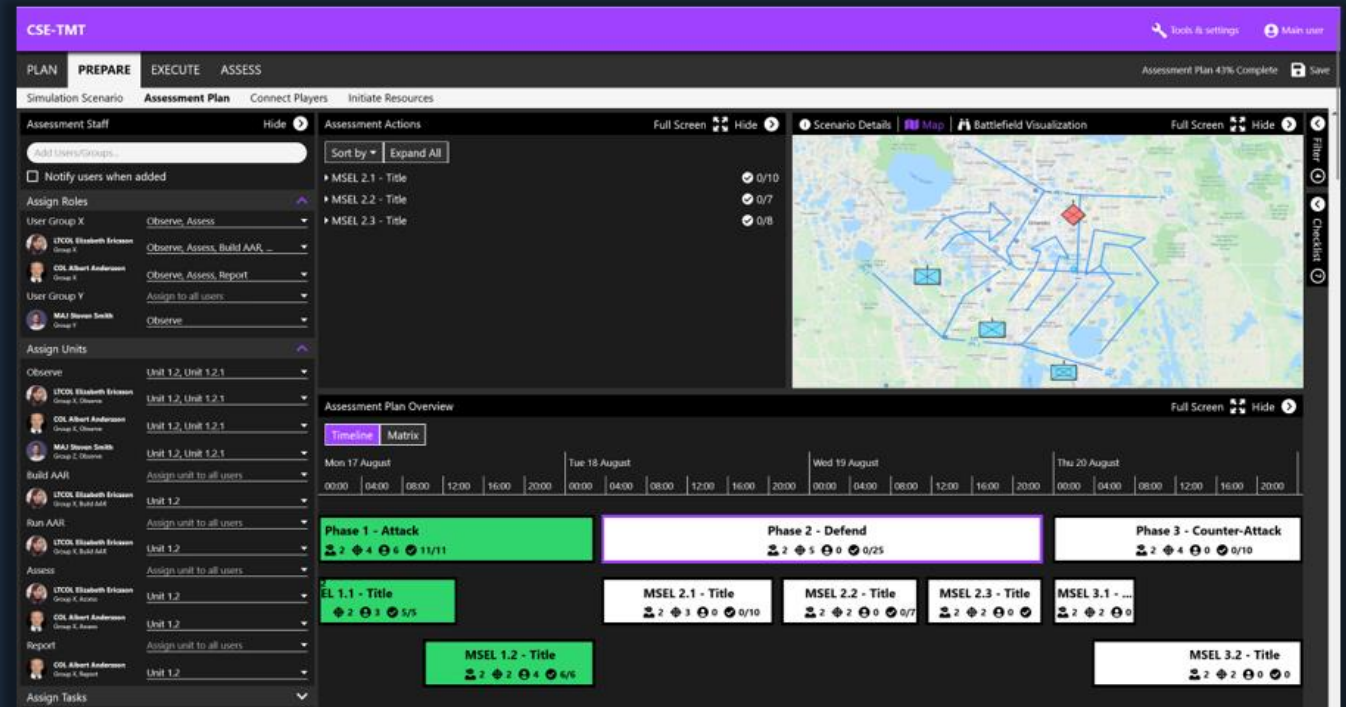




# Custom solution benefits

## FOR MATERIAL PROVIDERS

- ✓ Intuitive, easy to use interface
- ✓ Cost effective variants that meet specific unit, threat and operational environments
- ✓ Data storage and Edge computing with long-term integration in Total Learning Architecture leveraged by AI/ML



# Summary

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- ✓ Customized training solutions are necessary to meet current customer demands from individual and virtual to theater levels
- ✓ Training proficiency and readiness improvements are gained through repetitive iterations of increasingly complicated training scenarios
- ✓ Tailored User Interfaces provide individuals, leaders and trainers the intuitive, ease of use tools to facilitate necessary training
- ✓ Data capture and analysis using AI/ML allow commanders and trainers to see training progressions and shortfalls
- ✓ Total Learning Architecture embeds these progressions across all learning domains
- ✓ Cloud & Edge computing deliver enhanced training capabilities at the point of need



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