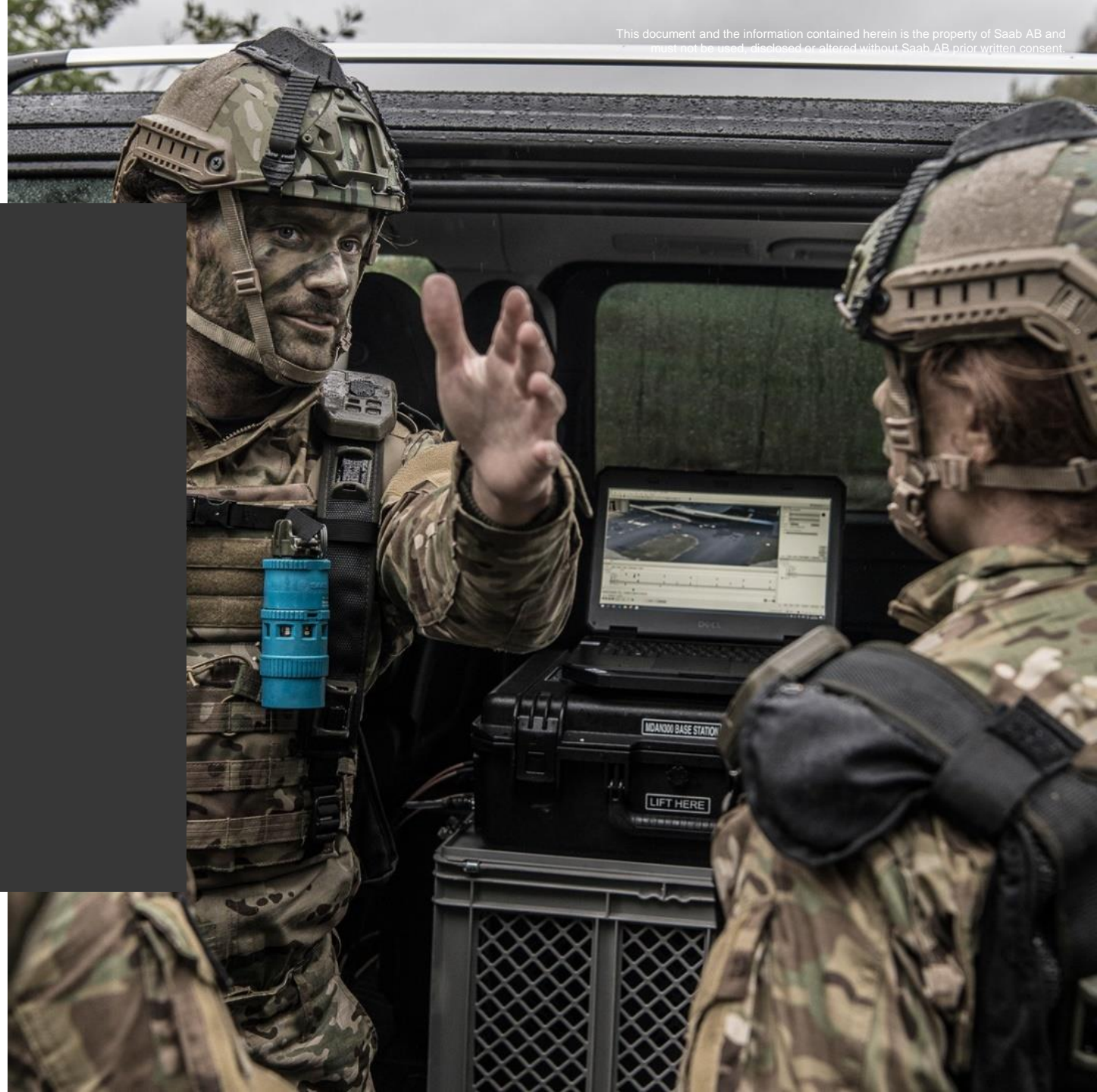


Training is the Operation

Training is a Deterrence

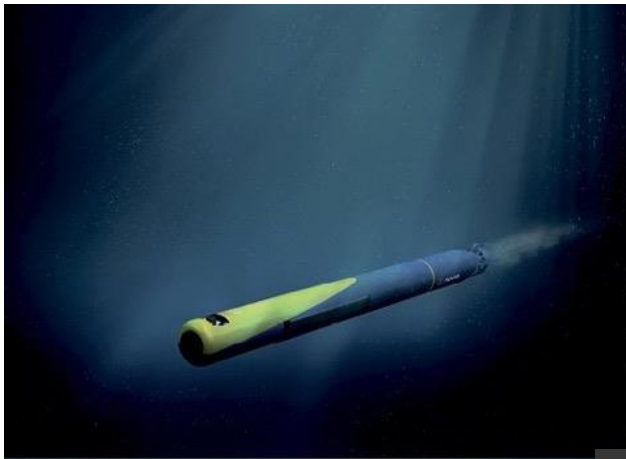
Steven Dodds

steven.dodds@saabgroup.com



Agenda

- Saab as an operational training partner – a bit about us
- Our training & learning ethos
- Interoperability – plug and play
- Collective deterrence – Training is the Operation
- Questions and discussions



Our broad offering



Business Unit Training & Simulation

The frontline of modern training



HQ in Huskvarna Sweden

~900 employees whereof

~500 outside of Sweden

Global presence

- Customers
- Operations

Training & Simulation Operational Sites



Upcoming Training & Simulation Sites



Training & Simulation

Realism
Scalability
Agility
Deployability
Standardization
Interoperability

↓

True
Confidence

Live training



Virtual training



Live fire training



Training services



Millennials

Geopolitical

Operational Interoperability

Training-Learning-
Validation

Deployability

Multi domain

National
or
International

Doctrines

Deterrence



Training at all levels



Individual

Collective

Combined arms

Multinational

Modern Attitudes to Learning

- The modern day Soldier/Marine requires evidence as proof of performance – they will challenge subjective opinions
- Different attitude to technology and sophisticated levels of social awareness
- Far more likely to accept and embrace accurate high fidelity data evidence based objective feedback
- Given a voice at comprehensive data informed After Action Reviews



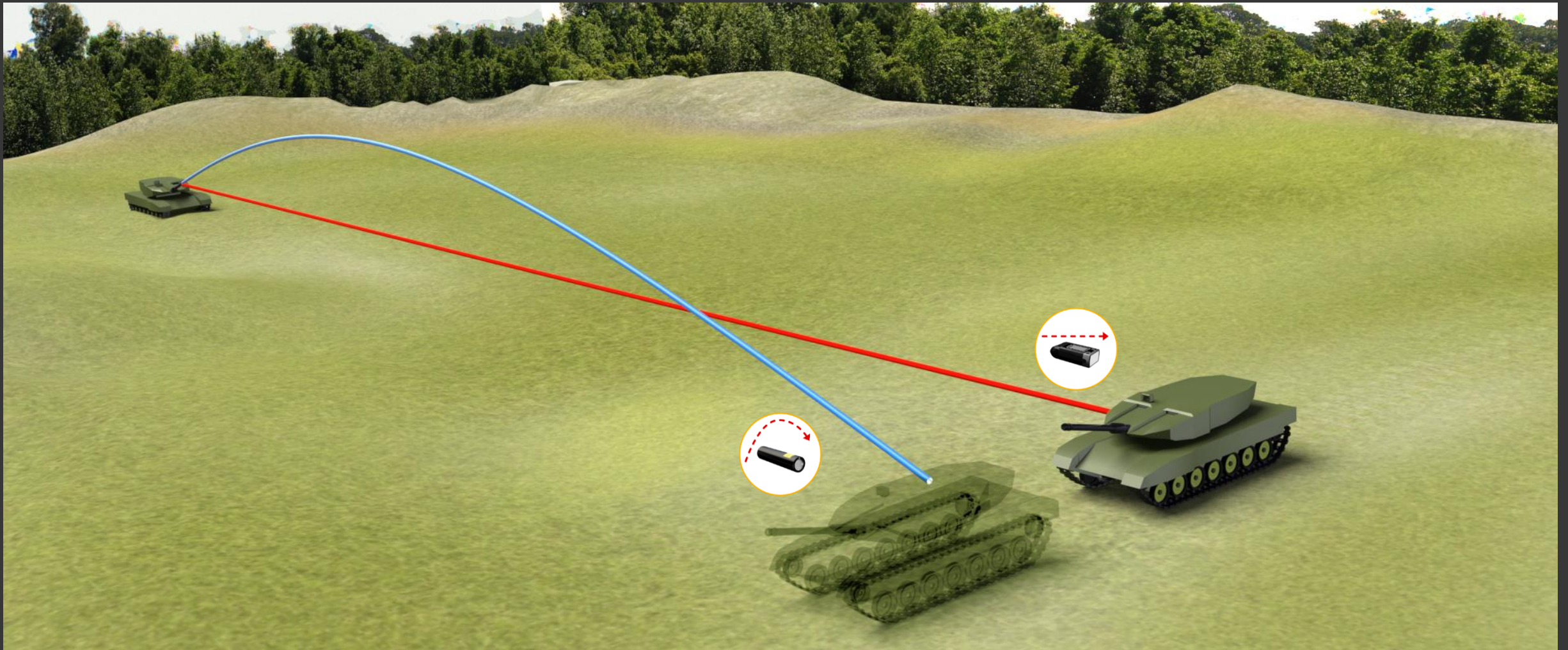
Data Informed Learning - Key Components

- Hands on training with actual or representative equipment (form/fit/function) – experiential learning
- Expedient, accurate objective feedback to reinforce knowledge, skills and behaviours
- Discussion and reflection – experiential learning
- Minimize negative learning
- Accelerate positive learning
- High fidelity simulation system is key in providing good data

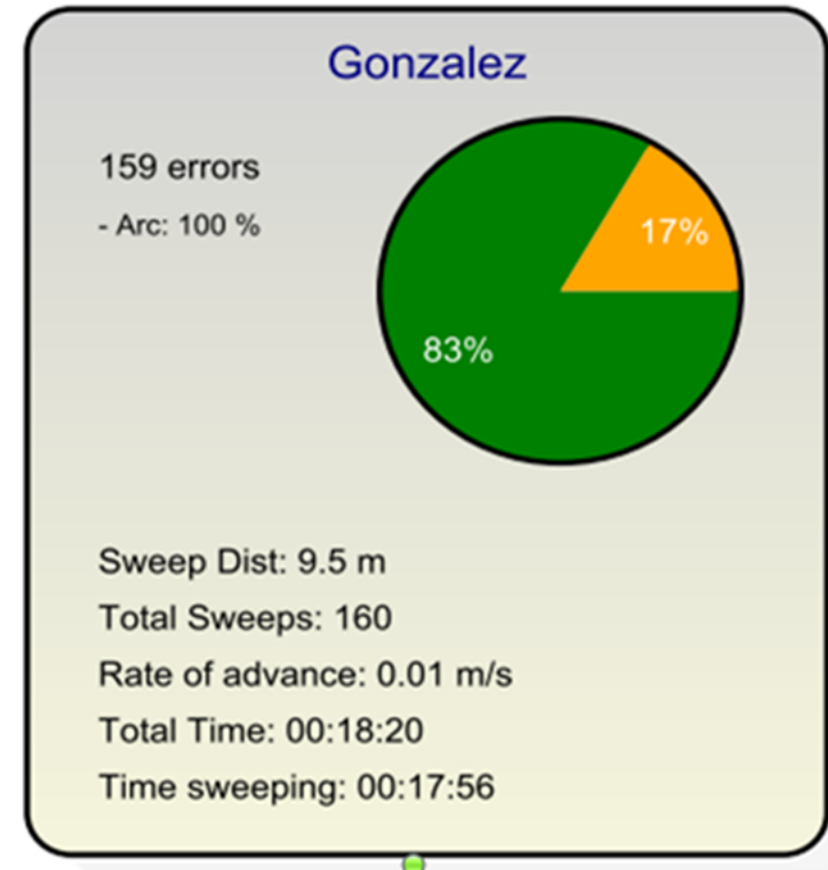
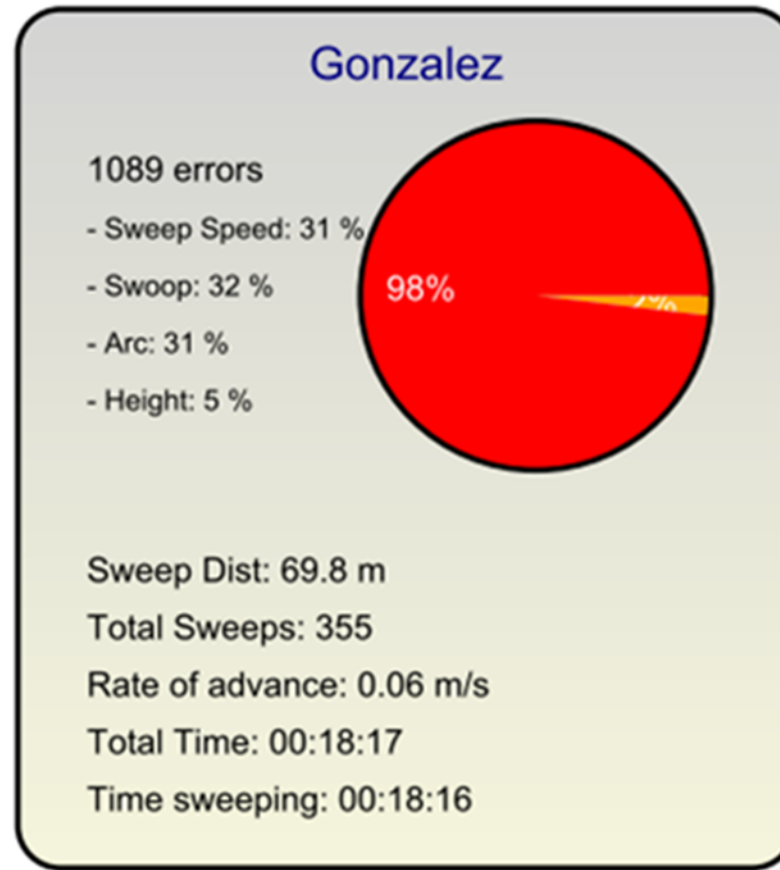


Minimizing negative learning

– aim at, or lead the target ?



Accelerated Learning



Empowerment & Trust

Subjective opinion

- I think you would have done (x).....
- You probably did (y).....
- I think you would have been hit.....
- I think you were in that fire position too for too long.....
- There was a significant chance of Blue on Blue.....
- I think you did ok.....

Objective evidence

- I know you did (x) – and here is the evidence...
- You definitely did (y).....
- This is the incident where you were hit.....
- You were in that fire position for too long and here is the playback.....
- Here are the fratricide events statistics....
- You did great – here are your statistics.....

Aggregated Data Analytics

New Analytics

- merging objective & subjective data

Concept by
GAMER

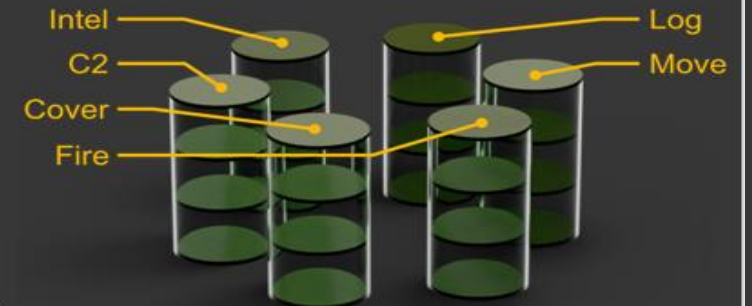


Instructor Support

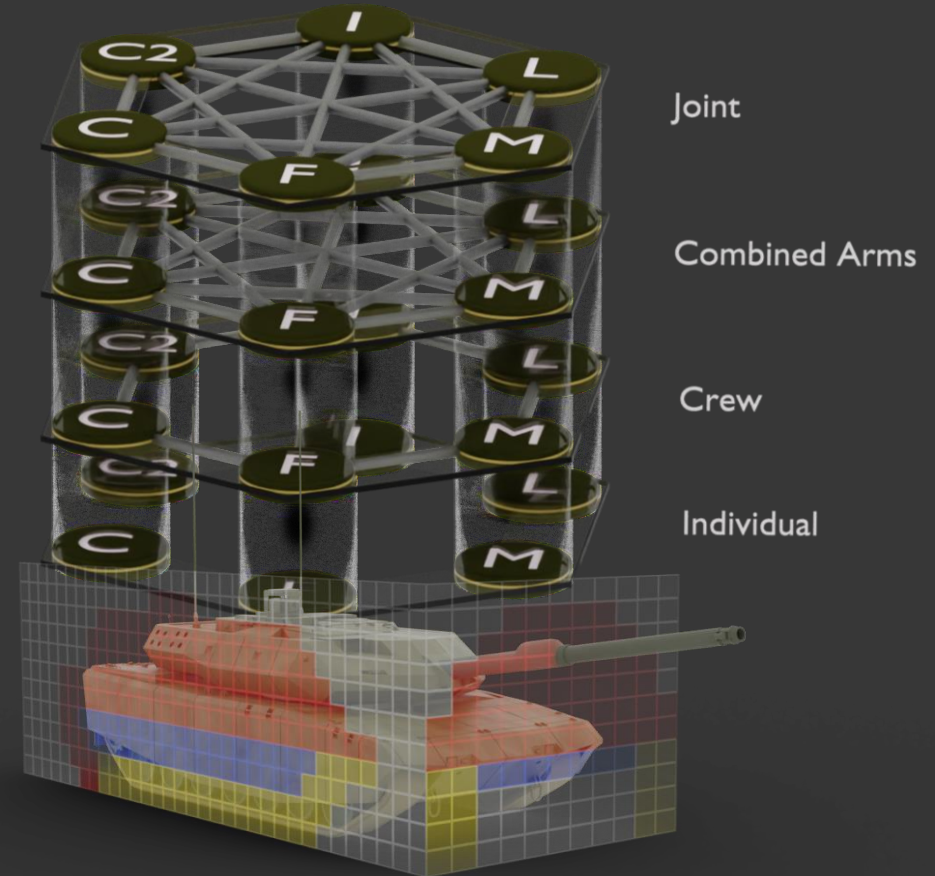


- Machine Learning for
- Major Action Detection
 - Tactical Activity Classification
 - Maneuver Detection

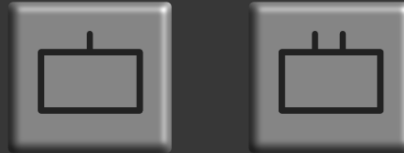
Combat Insights



Functional Layered Learning



Building Blocks



Simulators



ExCon

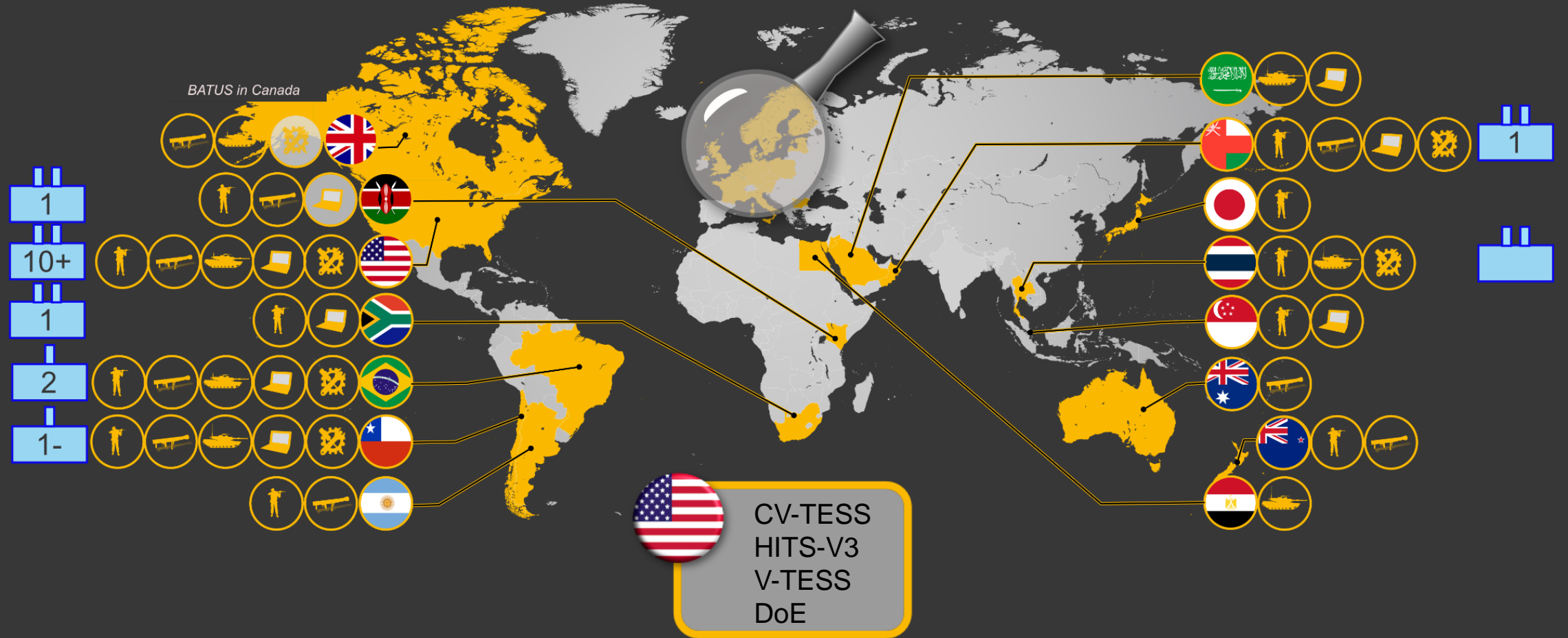


Communication



World of GAMER

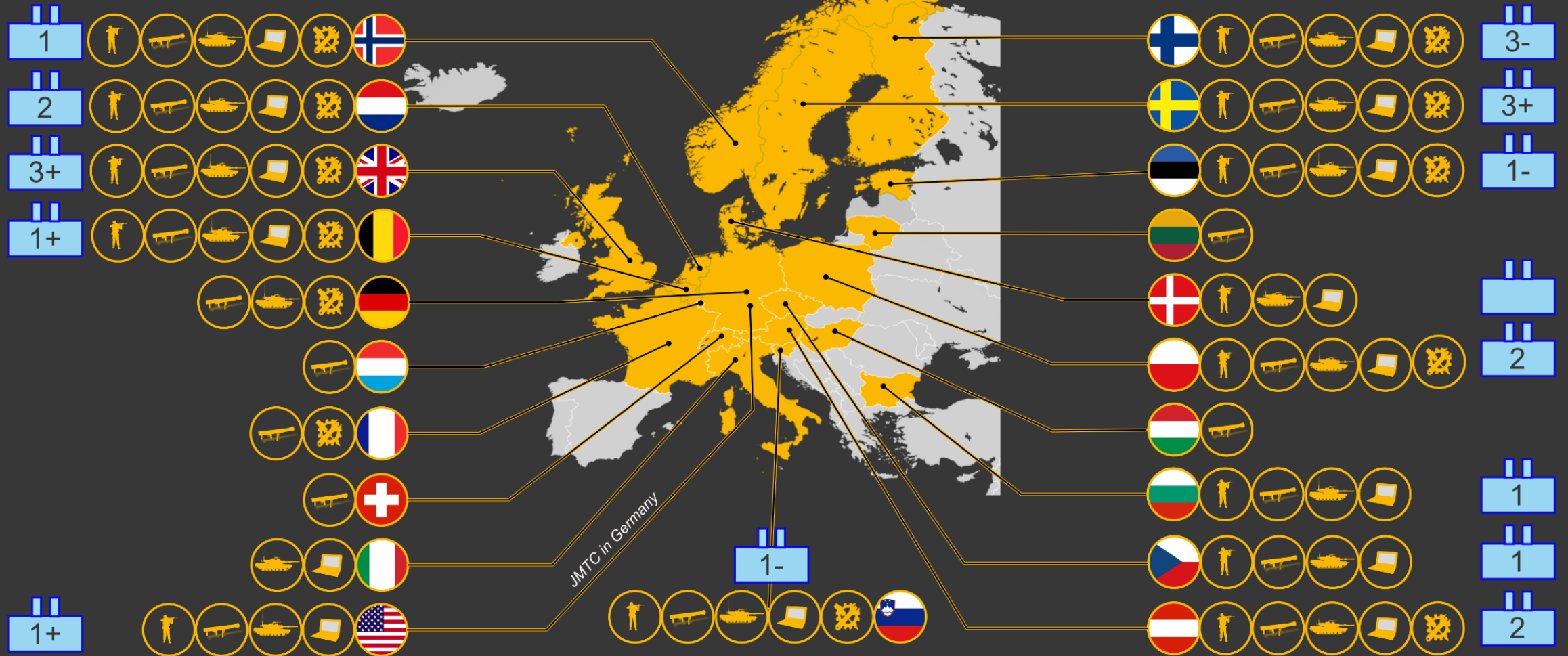
-  Infantry Training
-  Vehicle Simulators
-  Support
-  Support weapons
-  WinExcon



GAMER Europe




 Infantry Training
  Vehicle Simulators
  Support

 Support weapons
  WinExcon








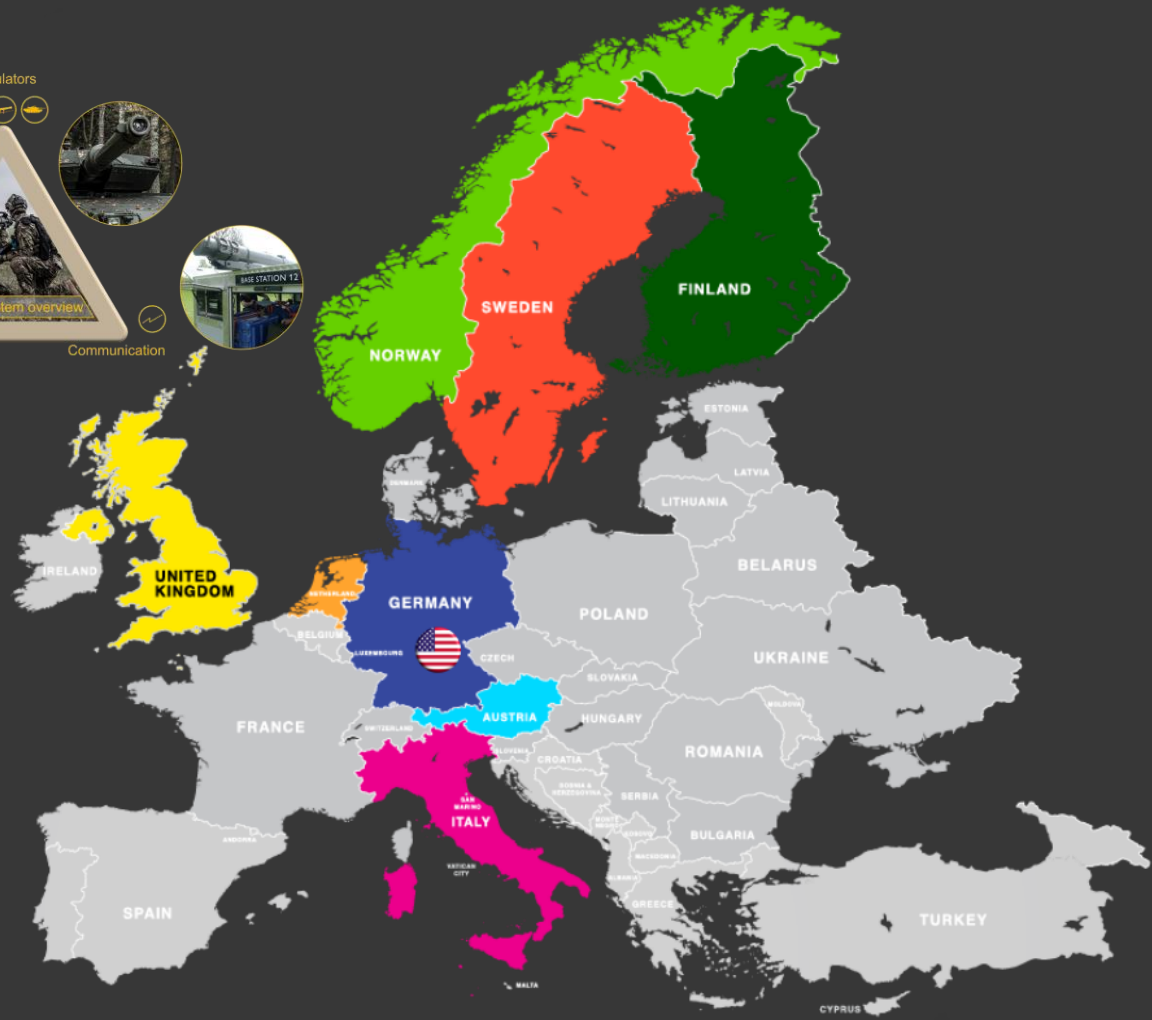
Interoperability – an emerging requirement

Non-instrumented

Sweden BT46		1989
UK DFWES		1992
Germany AGDUS		1994
Austria DUSIM		1998

Instrumented

Netherlands MCTC		2000
Italy DITS		2000
US DISE		2000
Norway NACMCT		2001
Finland KASI		2002



IUC was founded 2008 by seven nations

Interoperability Status 2023 (IUC)



Interoperability User Community **IUC**

Austria	Finland	Germany	Netherlands
UK	Norway	Sweden	Denmark
Czech Republic	Chile	Slovenia	Estonia
USA	Poland	New Zealand	Belgium



- Laser (direct fire) code
- AWES (indirect fire) code
- Range communication
- Explosive device code
- External systems DIS/HLA

Training is the Operation

High North

Suwalki Corridor

Foscani Gate





Questions & discussions

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