

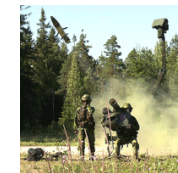
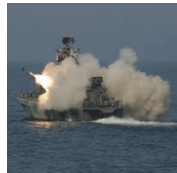
Full Interoperability

Live Training Simulation

Petr Schleiss MSc. – Business Manager CEE
Saab AB Training & Simulation



At the forefront of change



1955
Draken
first flight

1961
Viggen
introduced

1979
First RBS 15
ordered

1990
First laser
simulator BT46

1993
First Gripen
delivered

1996
HMS Gotland
HMAS Collins
commissioned

2002
First contract
NLAW

2006
Saab 2000
AEW&C

2008
First flight
Gripen Demo

2011
RBS 70 NG
launch

2015
Carl-Gustaf M4
1st contract



1937
Saab
founded

1990
Saab Automobile
independent company

2000
Celsius
acquired

2005
Grintek
acquired

2006
Ericsson Microwave
Systems acquired

2007
SeaEye Marine
acquired

2012
HITT acquired



1646
Bofors
founded

1894
Alfred Nobel
acquires Bofors

1948
First Carl-Gustaf
order

1998
StriC in
operation

1950-
Development of
fighter radar

1970-
Development of
Giraffe radar family

1980-
Development of
Arthur

1990-
Sea Giraffe AMB
launched



1679
Örlogsvarvet
Karlskrona

1840
Kockums
Malmö

1977
Svenska Varv

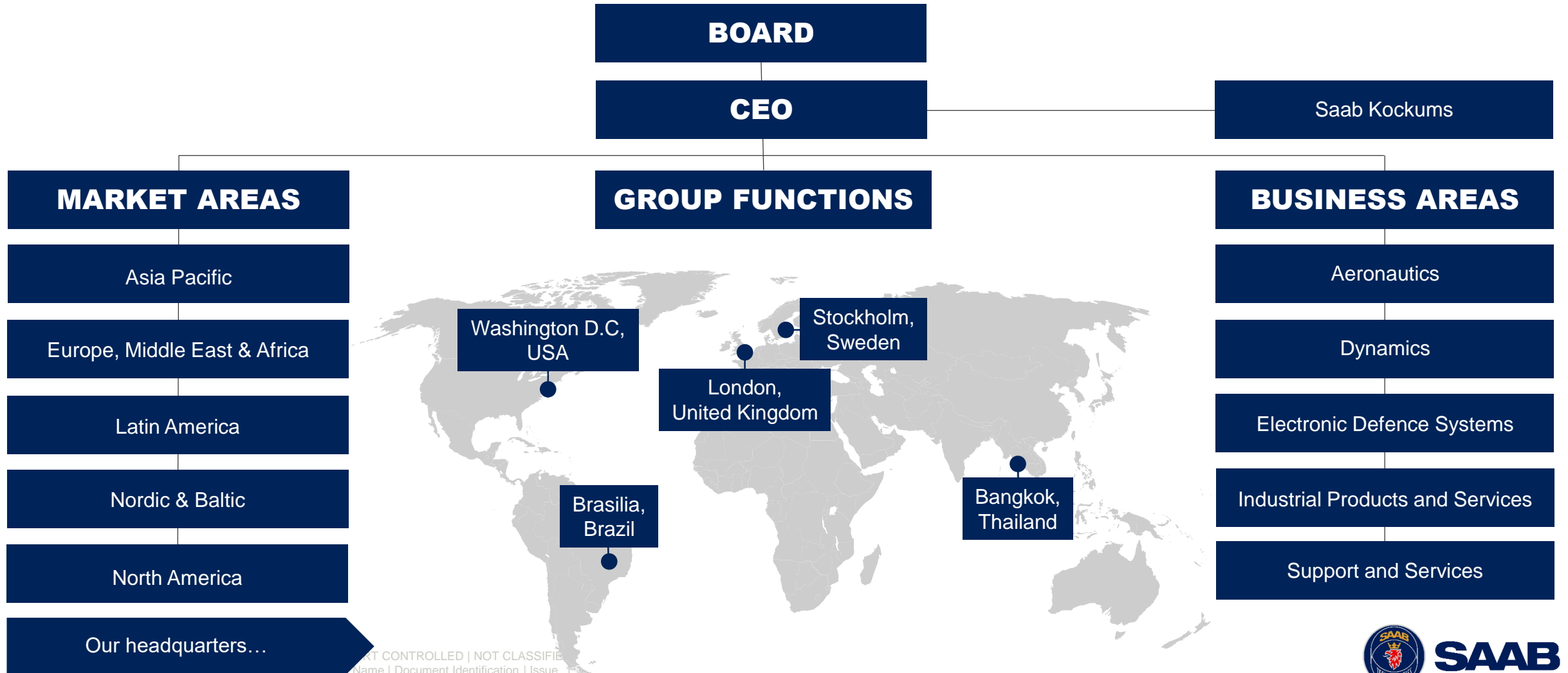
1987
Celsius

1989
Kockums AB

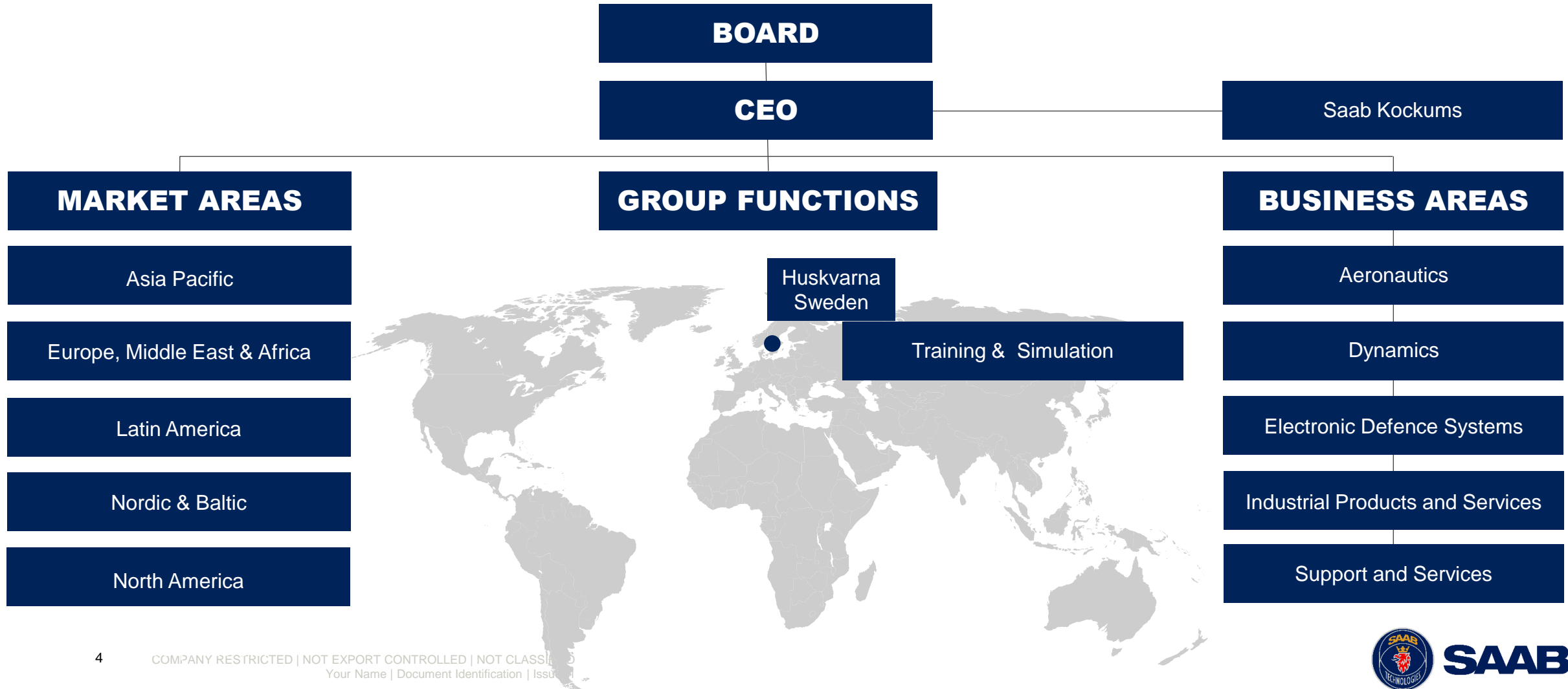
1999
HDW

2005
ThyssenKrupp

How we are organised



How we are **organised** **Saab AB, Training & Simulation**



Product families

Live training



Virtual training and integration



Live fire training

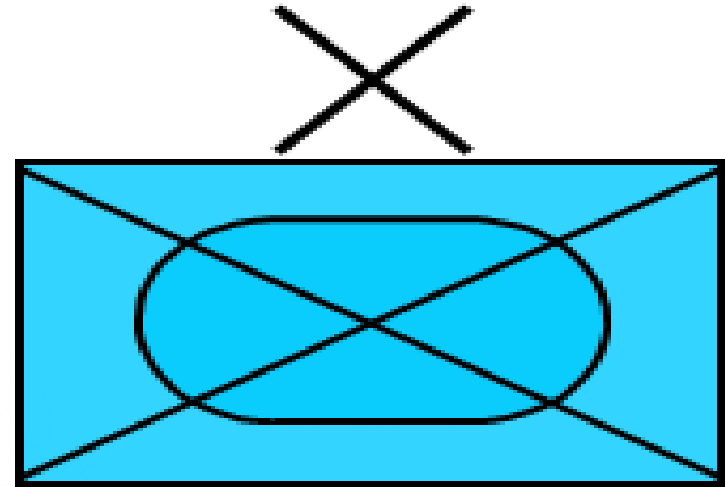


Training services



Realism Scalability Deployability Standardization → Confidence

Individuals → Functions → Unit capability



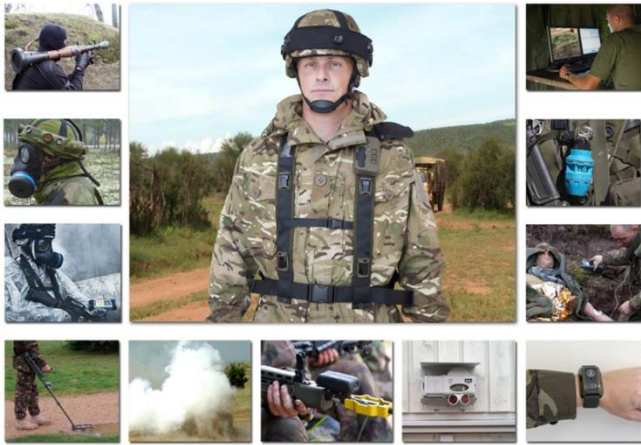


army stock photo

IFIED
ue 1



Live Training System (LSS)



Simulators

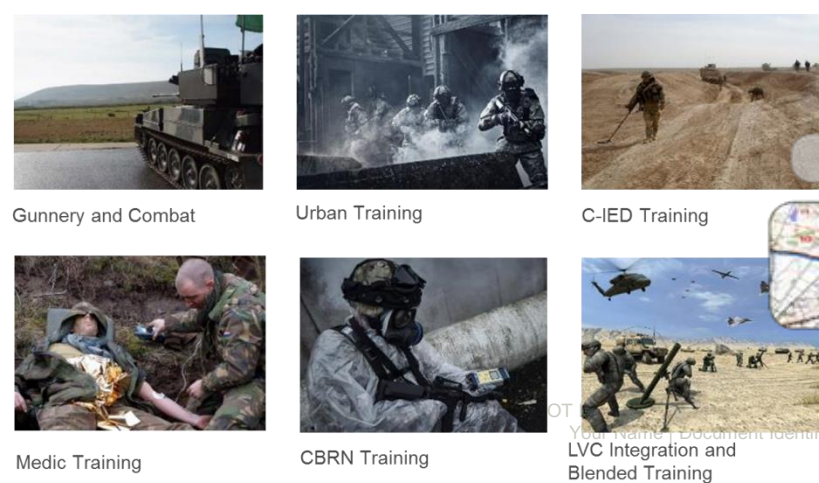


DUAL USE



Excon

Communication



Gunnery and Combat

Urban Training

C-IED Training

Medic Training

CBRN Training

NOT CLASSIFIED
Your Name | Document Identification | Issue 1
LVC Integration and Blended Training



ManPack 120



ManPack 300



Trailer based CTC

Customer adapted:

- > Up to 2 layers
- > Up to 100 km bandwidth
- > O/J network
- > Networking by Microwave or Fiber



Containerized or fixed CTC

GAMER LIVE TRAINING

THE SAFE AND AFFORDABLE INVESTMENT

Total training responsibility

Complete high fidelity training portfolio

High quality

Low maintenance

Long lifetime products

Affordable solutions

Start small – expand when needed – add on packages

Lowest life time cost, e.g. 15 years operation

Buy or lease

Flexible support solutions

Blended solutions – Live-Virtual-Constructive

Joint exercises - Leader in interoperability



GAMER CAPABILITIES AND ADD-ON PACKAGES

➤ GUNNERY AND COMBAT TRAINING



Gunnery and Combat

➤ URBAN TRAINING



Urban Training



C-IED Training

➤ C-IED TRAINING

➤ MEDIC TRAINING



Medic Training

➤ CBRN TRAINING



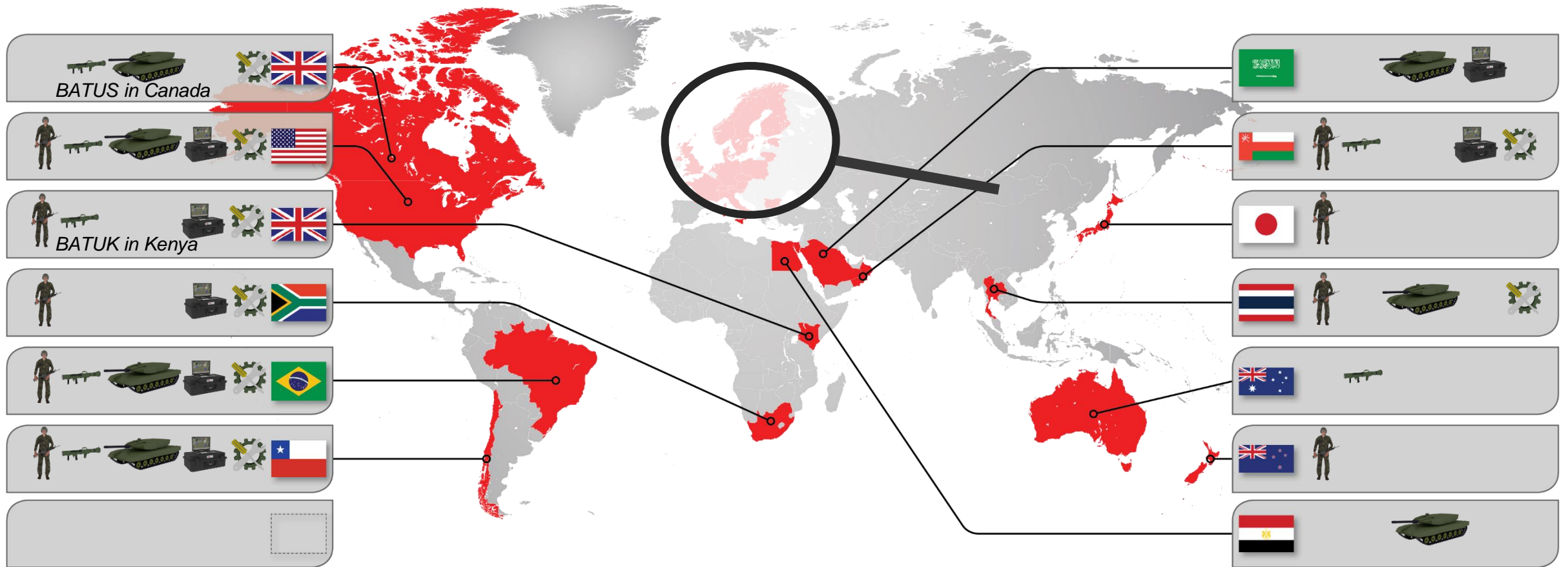
CBRN Training

➤ INTEGRATION AND BLENDED TRAINING

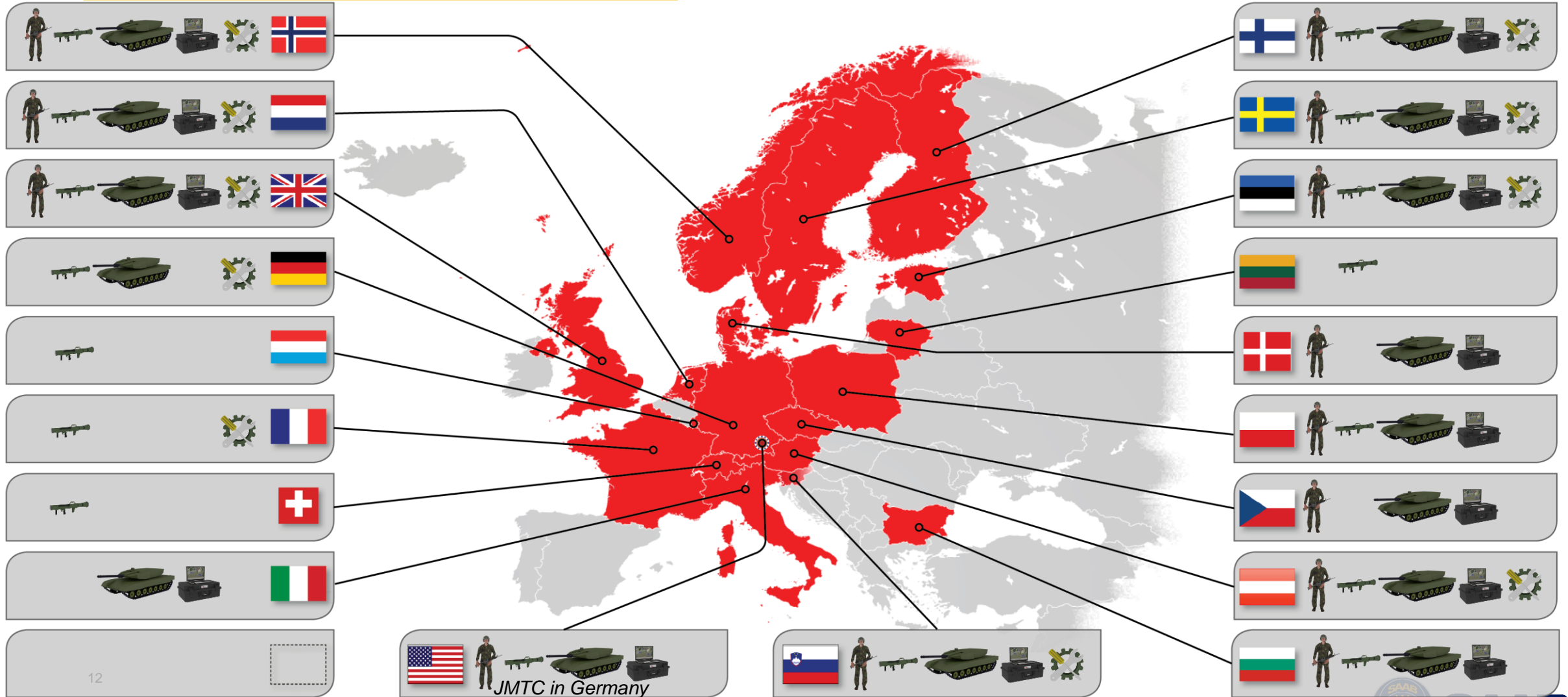


Integration and Blended Training

Saab Live training - WW



Saab Live training - Europe



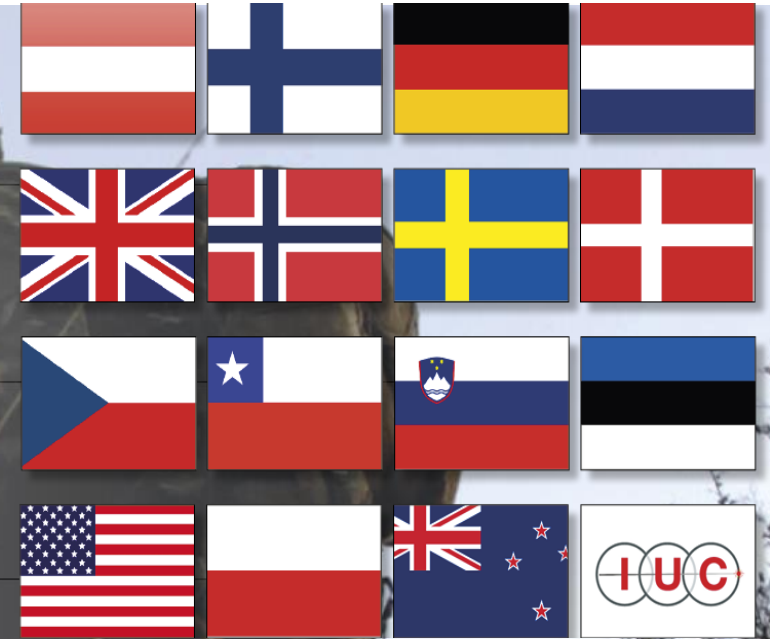


Saab Live training - Czech Republic

- **2010** – BT 46 system (PANDUR armored vehicles)
- **Autumn 2019** – Tactical engagement simulator
 - ✓ Company + level
 - ✓ Land forces & Military police
 - ✓ Battlefield & Urban training
 - ✓ Fully compatible with BT 46 units
 - ✓ IUC member

Interoperability User Community

- Founded in 2008
- SISO **U-LEIS** standard, implemented in all countries
- 15 member countries – 16th within processing ..
- Continued to Develop and implemented full Interoperability solution
- Technical improvement across international exercises



In summary:

- Interoperability for all War functions, in order to support training large units in multinational exercises



Beyond direct fire

Simulation Interoperability



Player - Player

WTS System (WCU - WDU)

Communication Interoperability



Comm - Player

Excon Interoperability



Excon - Player



Excon - Comm



Excon - Excon



Excon - WISE

Small arms and MG

ATW

APC, AFV & MBT

Association of weapon and Soldiers

Medical treatment simulation

Shoot through walls (MOUT)

Hand grenades

IED

Artillery effects

Minefields and breach

Data collection

ISTAR and AD Radars

Cyber and EW

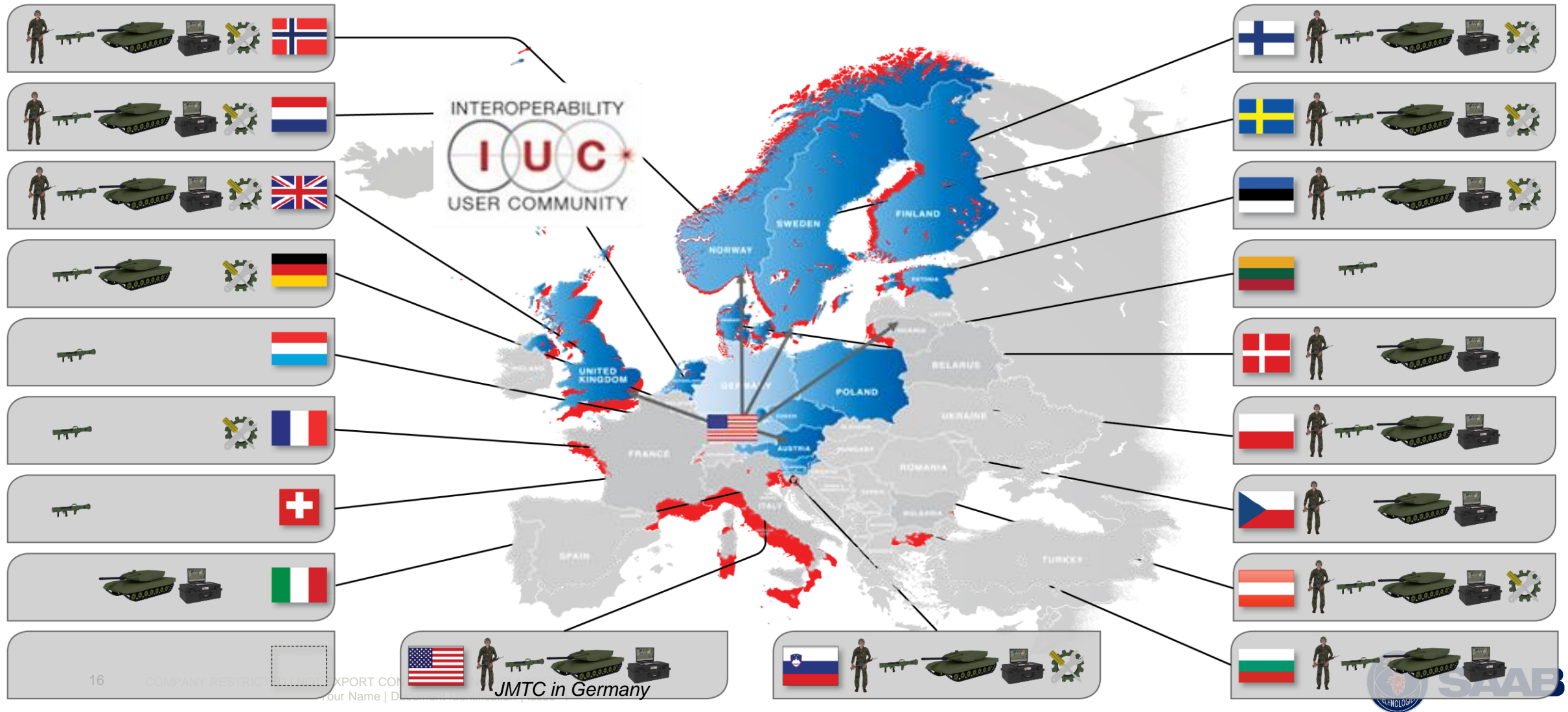
Distribution to O/C

Exercise control

AAR

Analytics

GAMER in Europe is interoperable

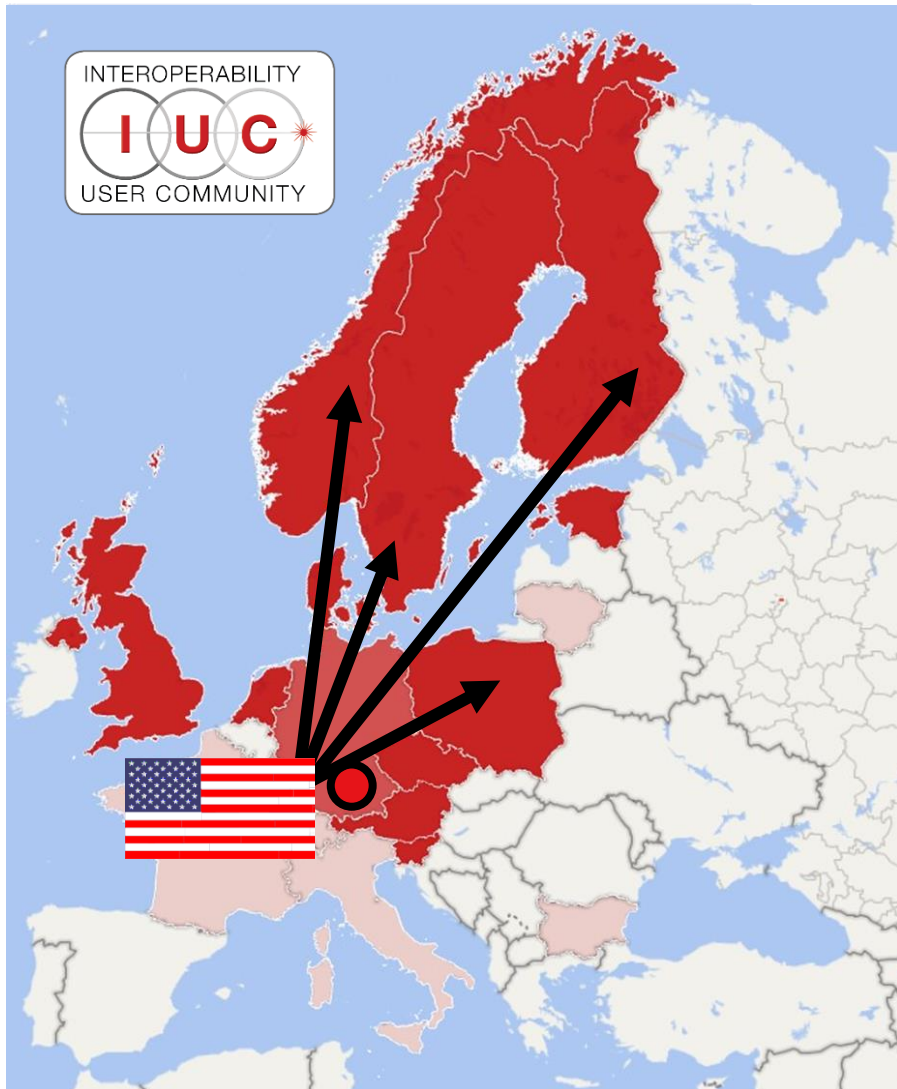


GAMER Baseline 2019

GAMER Baseline 2019	GBR			NOR	SWE		FIN	DNK	USA		NLD	DEU	POL	CZW	AUT	SVN	ETS	CHL	NZL
	TTESIK	DTES	SPTA		UOTS Reg	STA			HITS V3 IRS	US7 JMTC									
Gamer support																			
U-LEIS																			
Open WLN																			
DAN R5-F																			None
Winexcon 2.18																			
AWES 2 Basic																			None
IUC Medic db			None					None	None			None						None	None

LCC support
 SW subscription
 Under construction
 Up to date
 Older sw version
 Still compatible
 Non-Saab

US 7th Army DISE for Europe

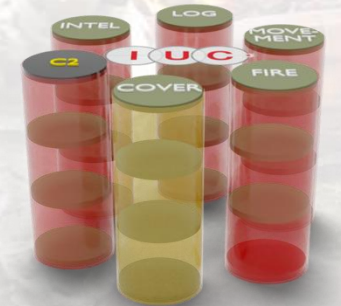


With DISE, US has access to a deployable, fully interoperable European equipment pool



GAMER Compliant systems

- 1,400 Manworns
- 120 CV-TESS
- Non fighting vehicles
- IED, ATW etc...
- 4 x Mobile Base Stations



Aurora international exercises



US 7th ARMY DISE PLUGGED IN



GAMER Compliant systems

- 1,400 Manworns
- 120 CV-TESS
- Non fighting vehicles
- IED, ATW etc...
- 4 x Mobile Base Stations

„Thank you for your
attention ...“

„CG 84 M4 Demo in
the lobby“

Saab AB, Training & Simulation



Training and Simulation, not only force construction

