



ITEC

14-16 May 2019

Stockholmsmässan, Sweden



Advanced and cost efficient – the Joint Fire Support Team Trainer of the Bundeswehr



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Joint Fire Support Team Trainer (JFSTT)

Fennek indirect Fire

- Artillery
- Mortar
- Naval Fire

Fennek FAC

- Fixed Wing
- Rotary Wing

mounted and
dismounted operation





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System Composition



PROCESS TRAINER



ACTION TRAINER



**JOINT COMMAND
AND EVALUATION CENTRE**



**BRIEFING AND
DEBRIEFING STATION**



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Process Trainer

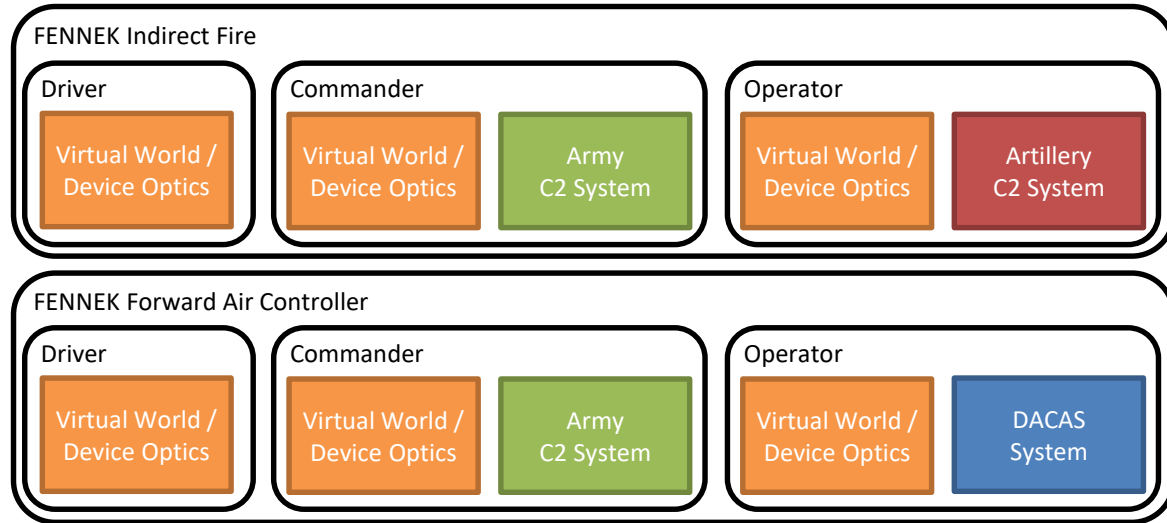
2x JFST with 2 Fennek vehicles

Workstations:

- Driver
- Operator
- Commander



Workstation content





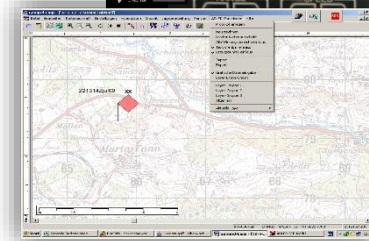
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Mounted Operation





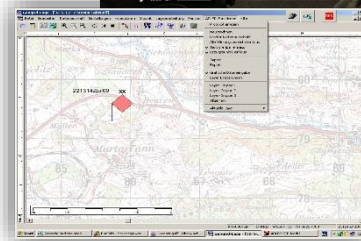
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Dismounted Operation





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Action Trainer

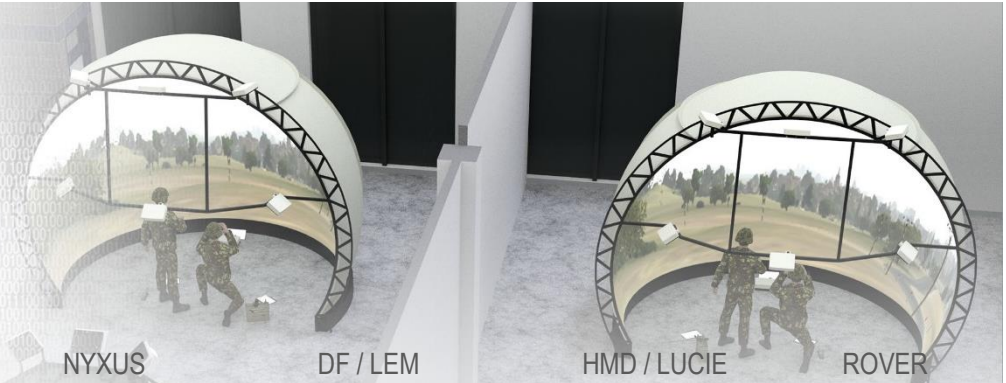


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Dome system



Dismounted operations



PLDR II



LRTV



NYXUS



DF / LEM



HMD / LUCIE



ROVER



SEM 70



PRC 117



PRC 148



DAGR



IZLID



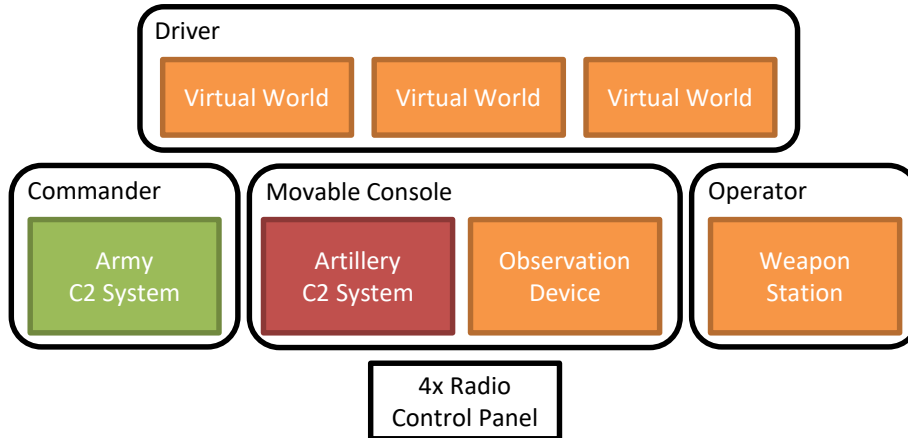
Tablet PC



Fennek mock-up



Operation within vehicle

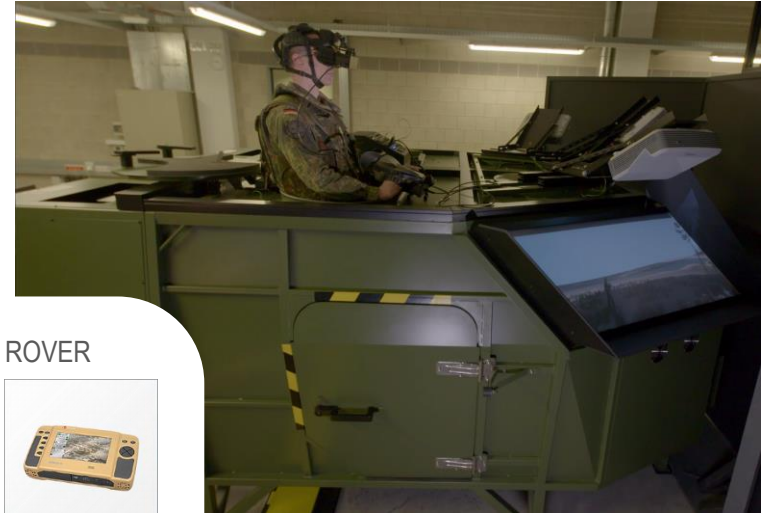




Fennek mock-up



Turned-out operation



LRTV



DF / LEM



HMD / LUCIE



ROVER



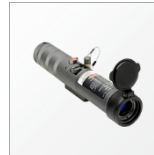
PRC 117



PRC 148



DAGR



IZLID



Tablet PC



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Joint Command and Evaluation Centre

- Simulation Control
- Pilot Stations
- BLUFOR
- OPFOR
- Naval and Indirect Fire
- C2 HICON



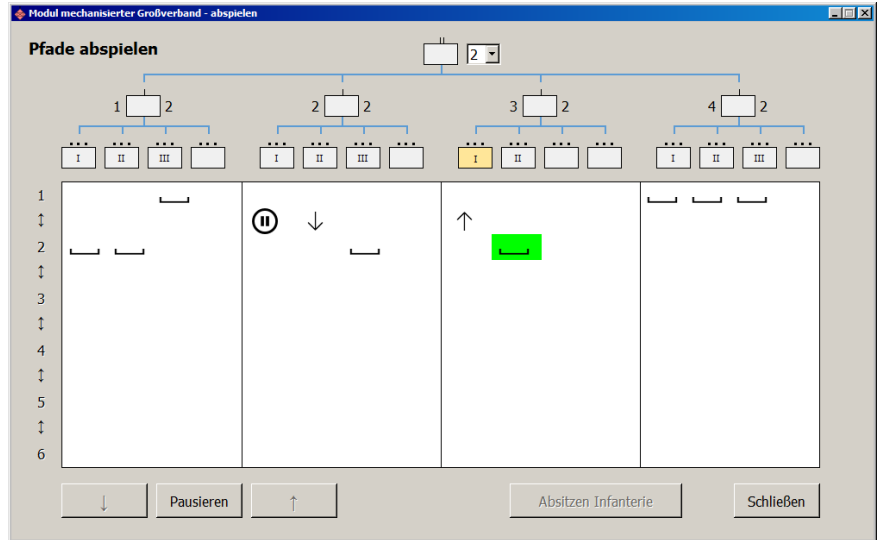
All functions can be executed on any workstation
Range 1-14 administrative personnel per exercise



Scenario-based behaviour modules



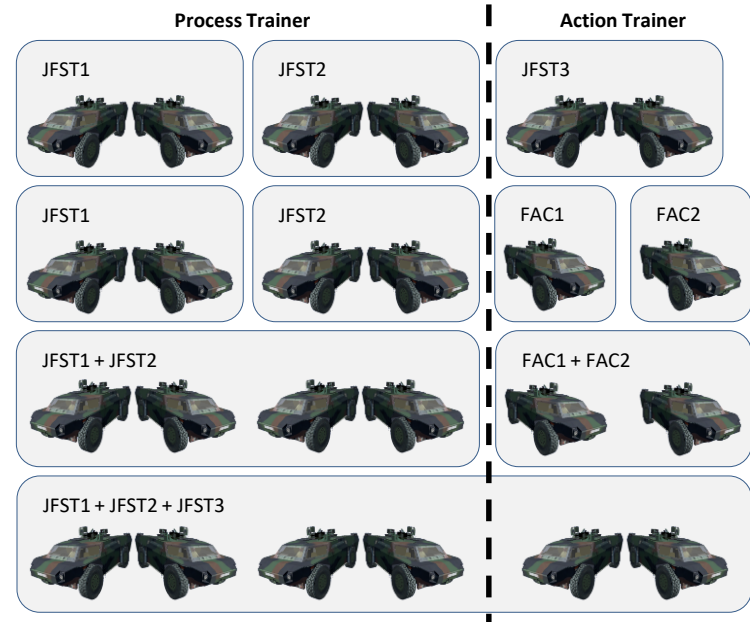
- Escort Convoy
- IED
- Demonstration
- Ambush
- Amphibian landing
- Mechanized Brigade



JFSTT utilization



- Maximizing JFST or FAC training
- Up to 4 parallel exercises
- Combining Process and Action Trainer



Radio Integration



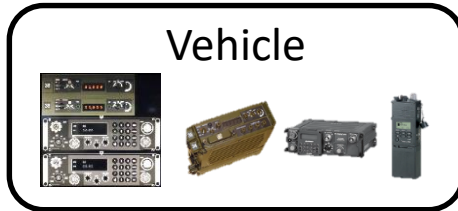
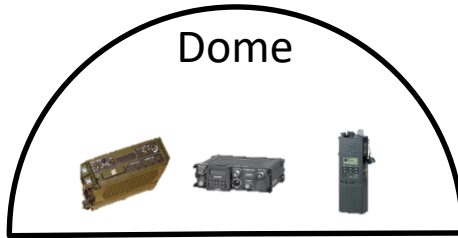
radio mock-ups



radio settings &
desktop radio



desktop radio

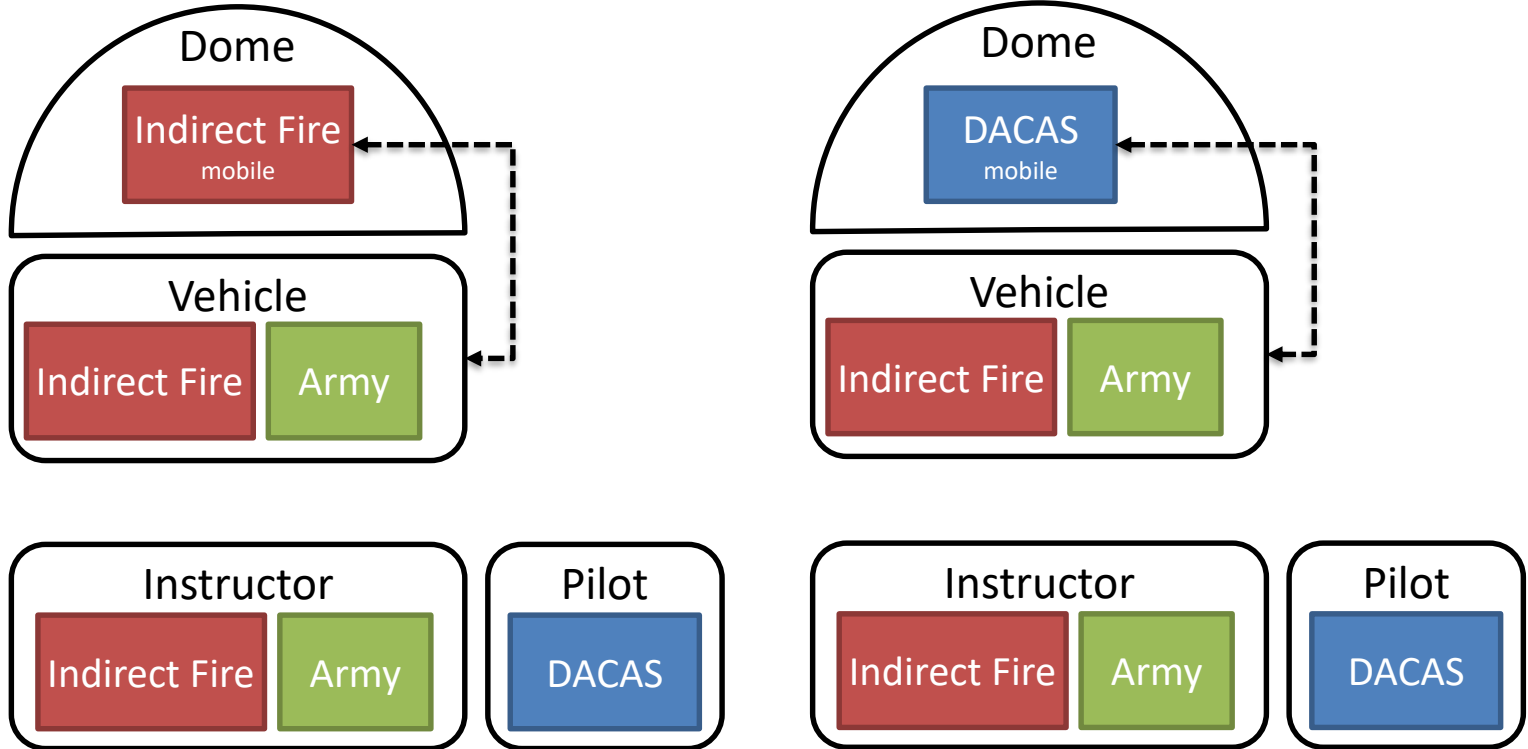


Steuerung Funkkommunikation

	Quarry 1 0.000	YOKAG 33.500	SKYFALL 34.975	VENETTA 56.300	99_THOR 59.300	Neuer Funkreis
HT_PILOT_FAC2_1					X	Funkreis ändern
HT_PILOT_FAC2_2						Funkreis löschen
IB AE PRIC117		X	X	X	X	Tabelle neu
IB AE PRIC148		X		X		Tabelle neu ersetzen
LB AE PRIC117		X	X	X	X	Schließen
LB AE PRIC148		X	X	X	X	
LB AE SSK70		X	X	X	X	
VT_T3_LB_FW			X			
VT_T4_LB_FW						
VT_T3_LB_MRF				X		



C2 Integration





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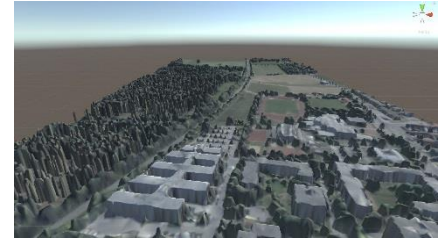
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Augmented Reality for JFST training

HoloLens used for

- displaying targets & effects
- Laser Range Finder



Intention

- Evaluation of different data sources
- Evaluation of operational use potential

Limitations

- Terrain size
- Outdoor light
- Performance / duration
- Magnifying capability needed





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Questions

