

IDF Digital Integration Case Study

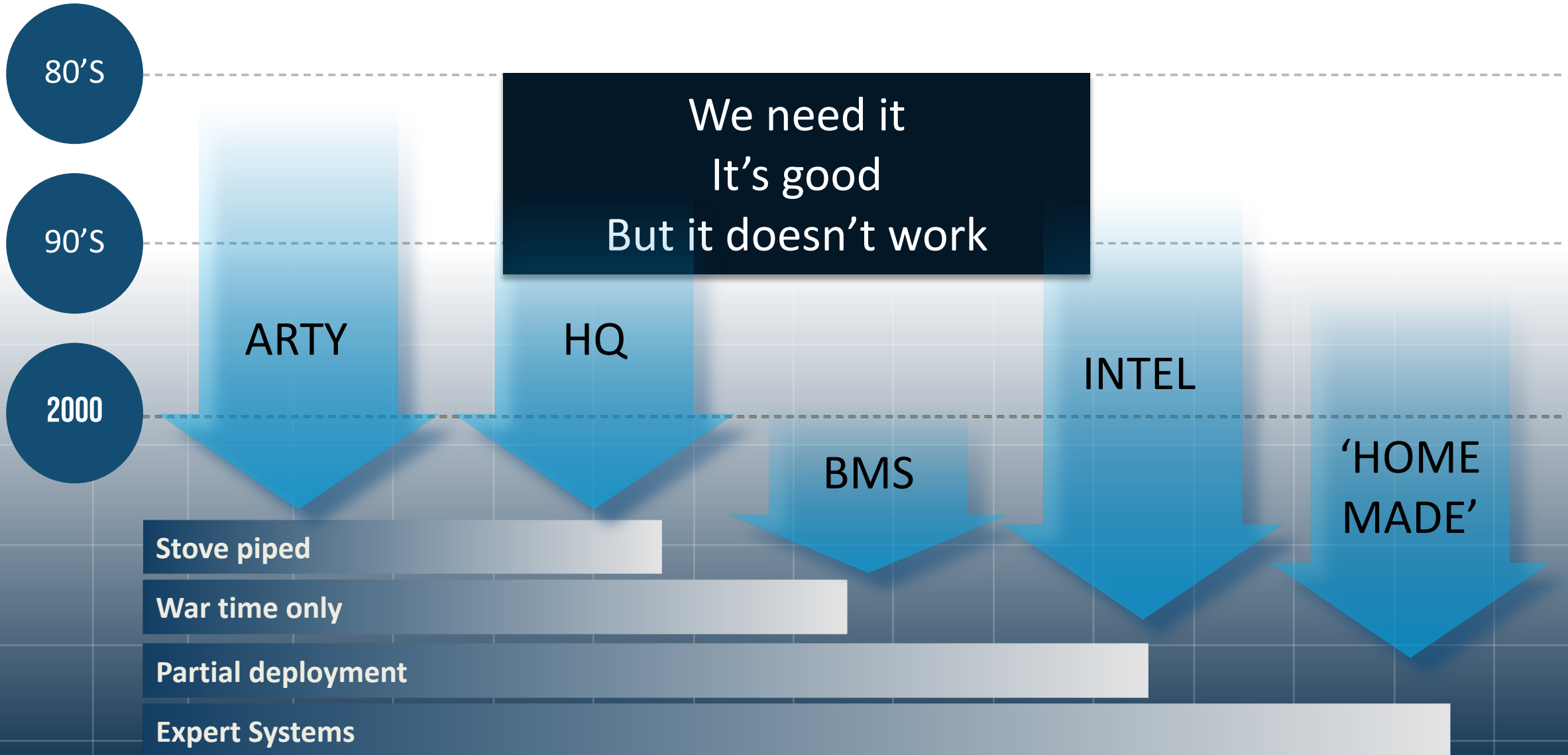
- IDF Digital Status
- 20 year activity in 20 minutes

BLUF:

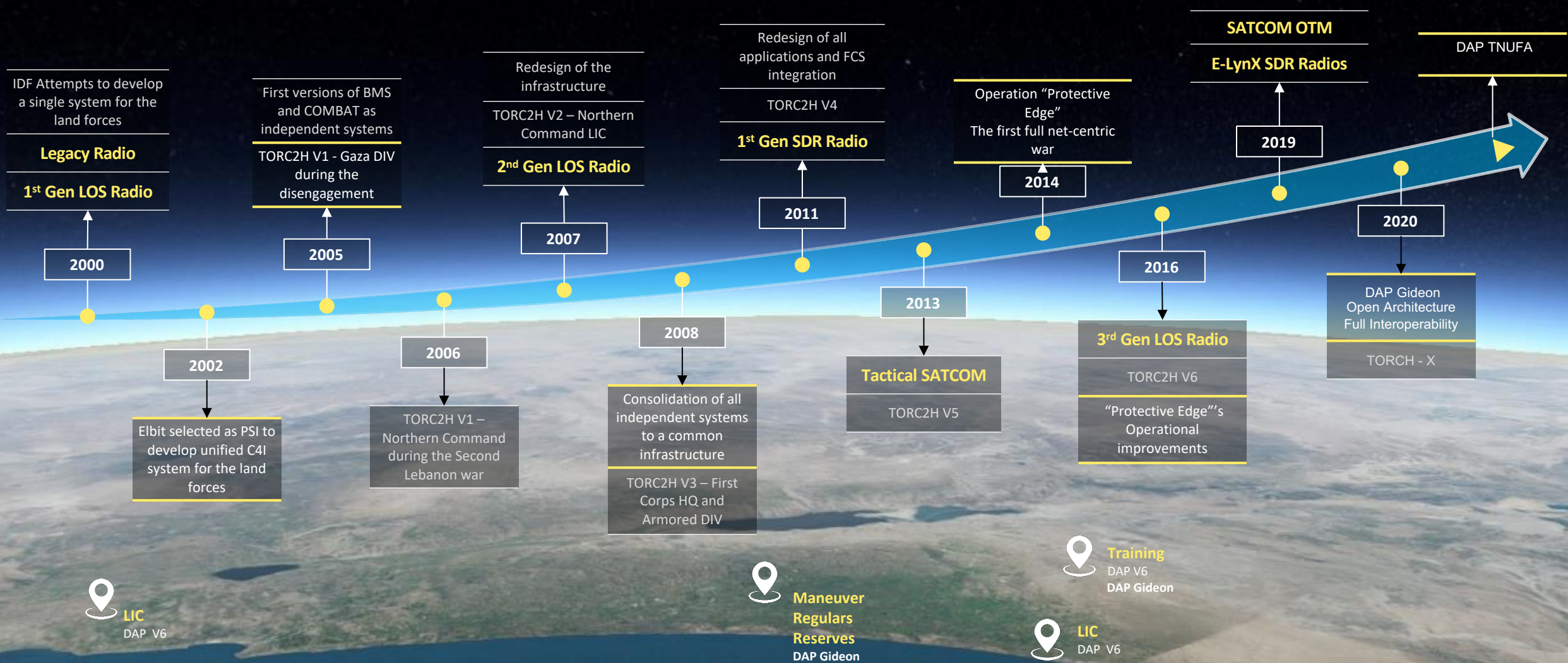
- Partnership culture
- Agility – ‘fail fast’
- Quick wins & simplicity of adoption



IDF C4I | Where does it all begin



DAP Digitization Journey



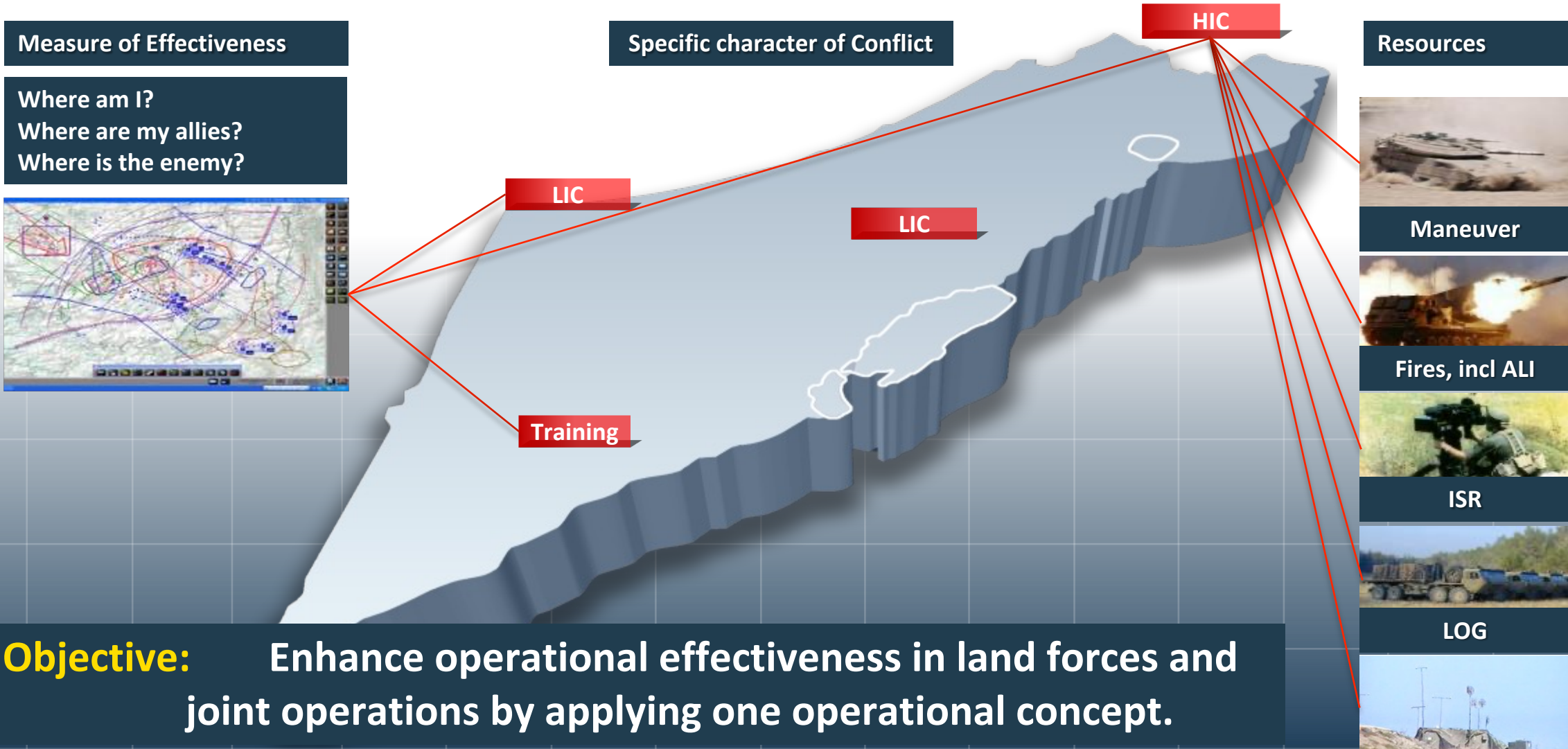
LIC
DAP V6

**Maneuver
Regulars
Reserves**
DAP Gideon

Training
DAP V6
DAP Gideon

LIC
DAP V6

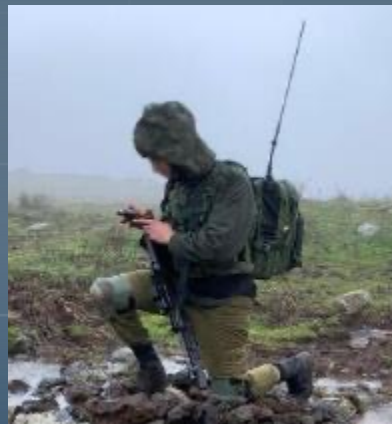
IDF DAP | A Simple Starting point



Objective: Enhance operational effectiveness in land forces and joint operations by applying one operational concept.

2005 – 2023 | 17 Years of DAP C4I operational deployment

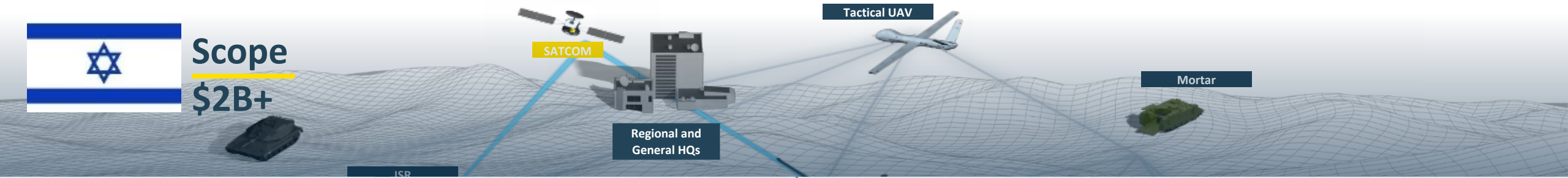
- From Situational Awareness to **Multi Domain Networked Operations**
- All Army Command and Control capabilities are digitized
- One logical network, interoperable across services (Air, Navy, Intel, Cyber)
- Challenge - On going demand for bandwidth and growth of data and complexity
- Mind opener – expanding the boundaries of possible



IDF C4I | Where does it all begin



Scope
\$2B+



VHF/UHF



Logistics



SOF



Mobile CP

ELBIT SYSTEMS OVERALL PROGRAM DELIVERY RESPONSIBILITY

Network Warfighting Evolution

	Deployed DAP ,L200	Deployed DAP GIDON, TKA	2021-2025	Vision
	Maned		Hybrid	Autonomy
Operational	Decision Support C4I Solution	Multi Domain Combat network	Semi- Autonomy Combat Network	Autonomous Combat System
C4I	Decision Support C4I Solution	Open platform for Combat Network Solution	Multi Dimensions Fast network	Regulated C5i Eco system development App Store
Comms	Tactical Network Non IP HDR ,TIGER	IP SDR and waveforms E-Lynx SmarTMR	Spectrum Superiority Elynx MC	IOT , Nano SAT, UWB, 5G, E-LynX MC
Cyber	Gates Protection	Multi layer Protection & Secure Dev.	Tactical Cyber & Defense & Offense	Cyber Dimensions Warfare

Partnership across the board (The IDF- Elbit way)

Army Steering Board

- Headed by Army COS
- Force design teams
- Quarterly reporting
- Act at pace

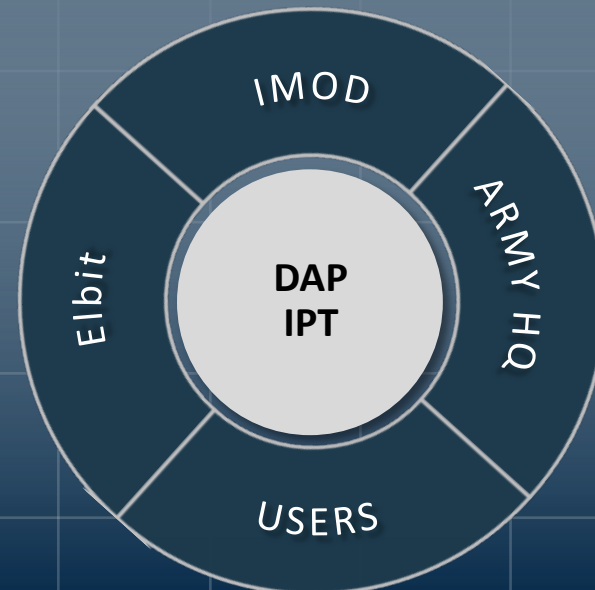


Values

- Vision view
- Accountability
- Transparency
- Agile approach
- Deploy Or Die!

DAP IPT

- Empowered management
- All stakeholders
- Weekly, day long meetings
- Week by week progress
- Reporting back



Achieving objectives

- System Champion
- User feedback
- Field activities
- Open procedure

Quick Wins

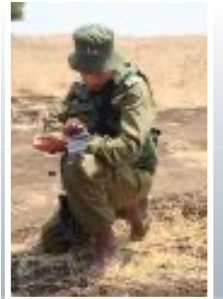
Early on exercise

Early on operations

Make it a routine
(Planning ,
briefings)

Quick turn around
for user feedback

Reward Early
adopters



System integrator Partner | key challenges



Define unique system requirements

Integrator's Portfolio of skills

Advanced yet affordable solutions

Large scale systems of systems integration

Upgrade existing military platforms

Adapt available technology Quickly

Capability with extended life time

Methodology to field complex systems rapidly by training and assimilation

Integrate multi-vendor, multi-technology

Integrate legacy systems

Digitization | lessons learnt

- Technology and project driven without the conceptual framework
- Life cycle view – limited skill to develop a comprehensive view
- Limited program team (customer, user , supplier) without enough perspective
- Partial understanding of available technologies and development concepts.
- Huge investment needed with no practical ROI in sight
- Lack of flexibility to adjust according to on-going learning
- Legacy systems – lack of vision to re-use and enhance during transition
- Training , Training & Training...
- System Champion – a leader to get this across the line!