



ESERCITO

Situational Awareness in the Modern Warfighting Environment

Enhanced soldier SA capabilities with RAS

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Enhanced soldier **SA** capabilities with RAS

PAST



PRESENT DAYS



Need to increase Situational Awareness

- **C2**
- **DECISIONAL SUPPORT**
- **MISSION COMMAND**
- **OODA LOOP**
- **UNCERTAINTY**



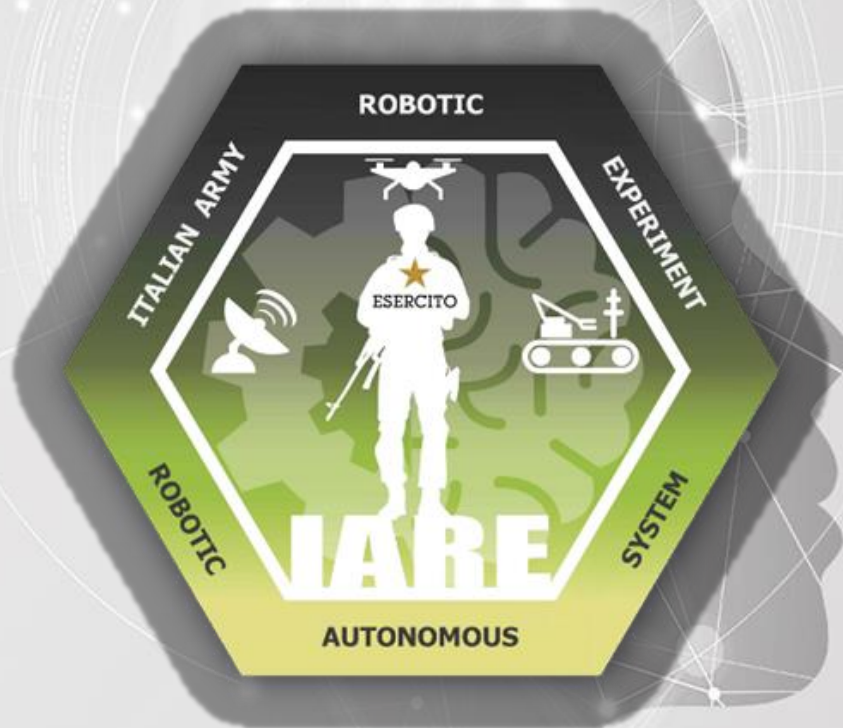
MODERN CONFLICTS



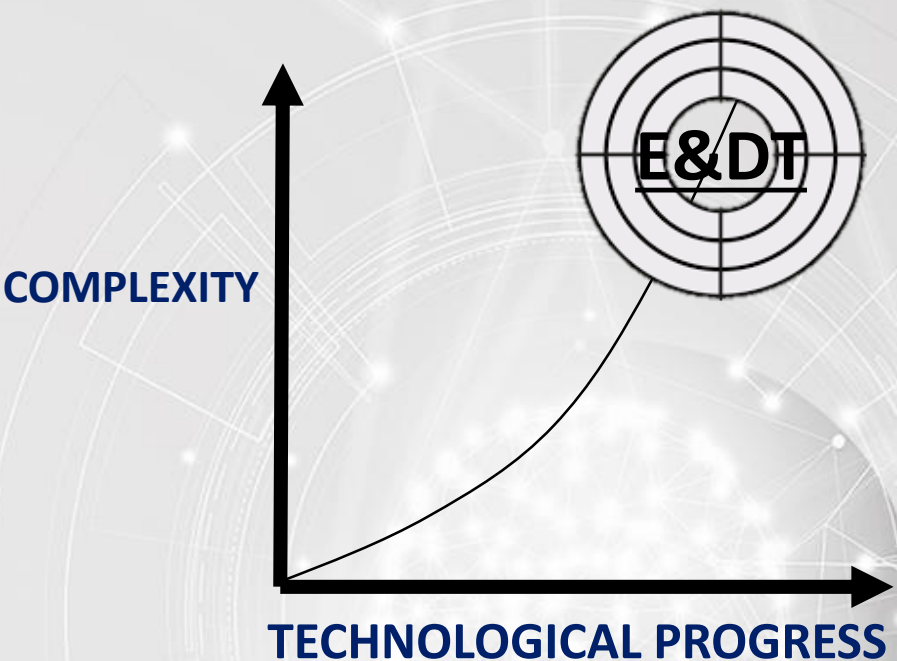
***BACK TO WARFIGHTING
FUNDAMENTALS***



Why Robotic and Autonomous Systems (RAS)?



TECHNOLOGICAL PROGRESS



ITA ARMY APPROACH

OBJ: Operational benefits to land forces through:

- **REDUCTION OF THE RISK**
- **INCREASE IN EFFECTIVENESS**
- **INCREASE IN EFFICIENCY**



- 1st cycle : Tactical activities in urban environment
- 2nd cycle : Distributed logistic activities (*starting now*)
- 3rd cycle : To be defined . . .



ITA ARMY APPROACH - LIVEX

Route recce

Building
clearance



Object
recce

**BETTER
SITUATIONAL
AWARENESS**

**DECREASED
OPERATIONAL
TEMPO**



CONCLUSION

CS
BAT SYSTEM



ESERCITO

RAS ENHANCE SA

FIRST CONTACT, NOT IN BLOOD

DISPERSE FIGHTING & COP

KILL WEB

QUESTIONS?

