



MINISTÈRE
DES ARMÉES
ET DES ANCIENS
COMBATTANTS

*Liberté
Égalité
Fraternité*

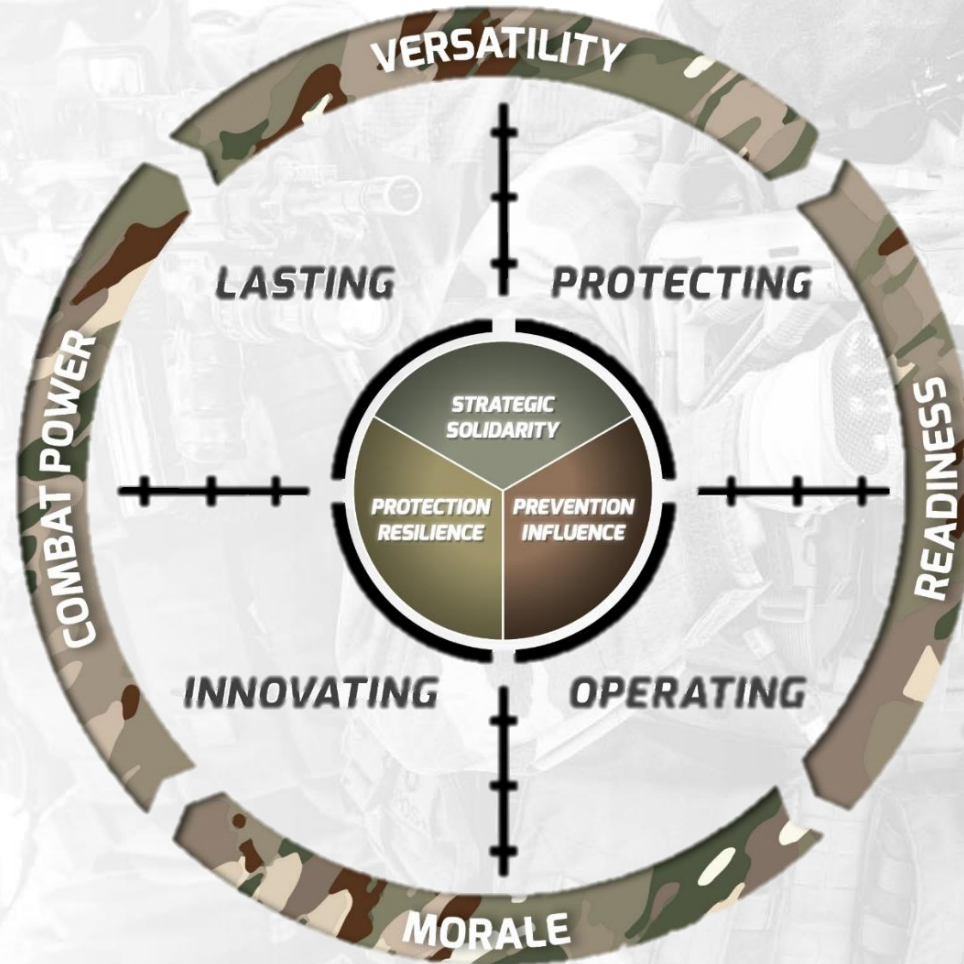


Transforming the capabilities of the French Army, with SCORPION and TITAN programmes

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Warfighting Army



An technical modernization that irrigate the command by intent



Building FR Army future capabilities

The Army build-up



An Army committed into a deep and lasting transformation, punctuated by capabilities and operational milestones.

TOMORROW SCORPION Vehicles

GRIFFON

Target : 1818

Multirole armoured Vehicle.

- 6*6 – Gross Vehicle Weight 24.5 t
- RWS : 12.7 mm / 7.62 mm / Grenade Launcher (40 mm)
- Modular : add-on armour, DAS, ...
- Common SCORPION Vetronics
- Common BMS (SICS) – CONTACT radio



SERVAL

Target : 2038

Light multirole vehicle for the light combat brigades.

- 4*4 – Gross Vehicle Weight 17 t
- RWS : 12.7 mm / 7,62 mm
- Modular : add-on armour ...
- Common SCORPION Vetronics
- Common BMS (SICS) – CONTACT radio



JAGUAR

Target : 300

Armoured recce & fighting vhl for light and multirole brigades.

- 6*6 – Gross Vehicle Weight 25 t
- 2-man turret : 40 mm gun + missiles MMP +7.62 mm
- Modular : add-on armour, DAS, ...
- Common SCORPION Vetronics
- Common BMS (SICS) - CONTACT radio



MEPAC

Target : 54

Mounted Mortar for Fire Support

- 6*6 – Gross Vehicle Weight 25 t
- RWS : 12.7 mm / 7.62 mm / 120-mm Rifled Mounted Mortar
- 10 rounds/min, up to 13 km.
- Common SCORPION Vetronics



To be added : XL-R



Recce vhl (VBAE)

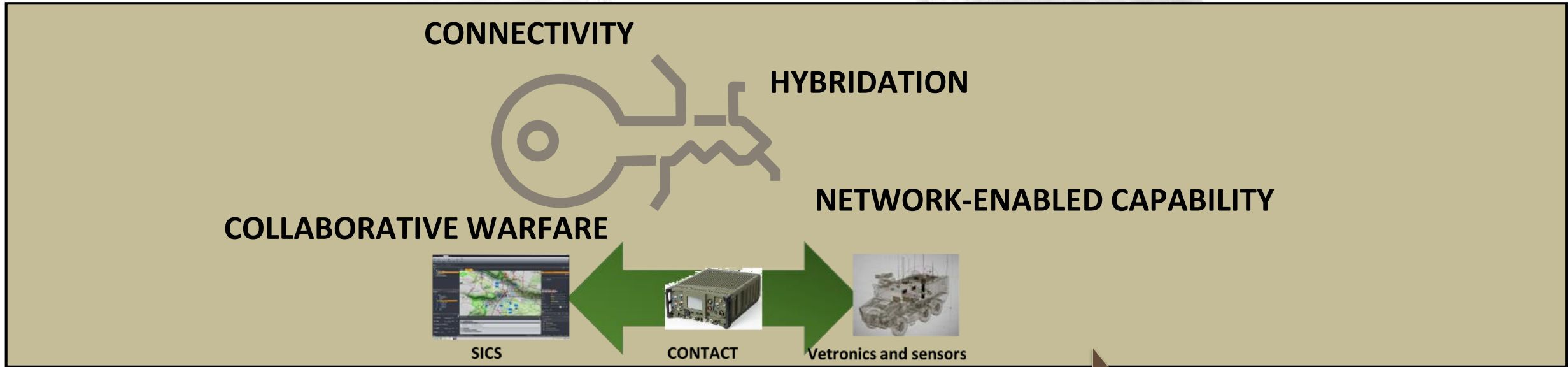


and CBT ENG vhl (EGC)



by 2030.

Collaborative Combat in a Nutshell



SCORPION



Modernizing forces

1st Lessons learned Battle Group SCORPION

Recent systems confronted with the reality of the battlefield

- DEC 2019: 1st delivery of the GRIFFONS to the forces
- DEC 2021: deployment of a SCORPION comb arms BG in OP BARKHANE, on a long-lasting basis (1st operation conducted : **12 days - 800 km**)
- MAR 2022: deployment of a SCORPION Coy in exercise Cold Response in Norway
- DEC 2022: 1st delivery of the JAGUAR to the forces
- MAR 2023: deployment of a SCORPION comb arms BG in OP LYNX – EfP
- MAY 2024: deployment of a JAGUAR platoon in Estonia for NATO Springstorm

First lessons learned (on operations and training exercises)

- High manoeuvrability (even when compared to tracked vehicles)
- high overall technical availability
- Very good observation means, especially IR
- High discretion on infiltration (reduced motor noise)
- Some technical issues to be addressed

Keys for success:

- **Anticipation** and a strong « well informed » **planning**
- Tight **cooperation** between Military and Industry
- **Quality** and **compliance** of delivered equipment (sturdiness, compliance with the need, abidance by timeline) **immediately employable**





Scaling up Armored Forces

Robotic, UAVs and autonomous systems – VULCAIN's Approach



Autonomous mobility

2025

2040

Tactical robotics

L3

DGA BUILD

OPERATIONAL UNITS

CHOOSE

EXPERIMENTAL UNITS

L2

2022

DGA TEST

2021

EXPERIMENT

DGA ORIENT

CONCEIVE DESCRIBE

EXPERIMENTING UNIT



OP deployment

Army UAV frame

Vulcain scope

Specialised robotics

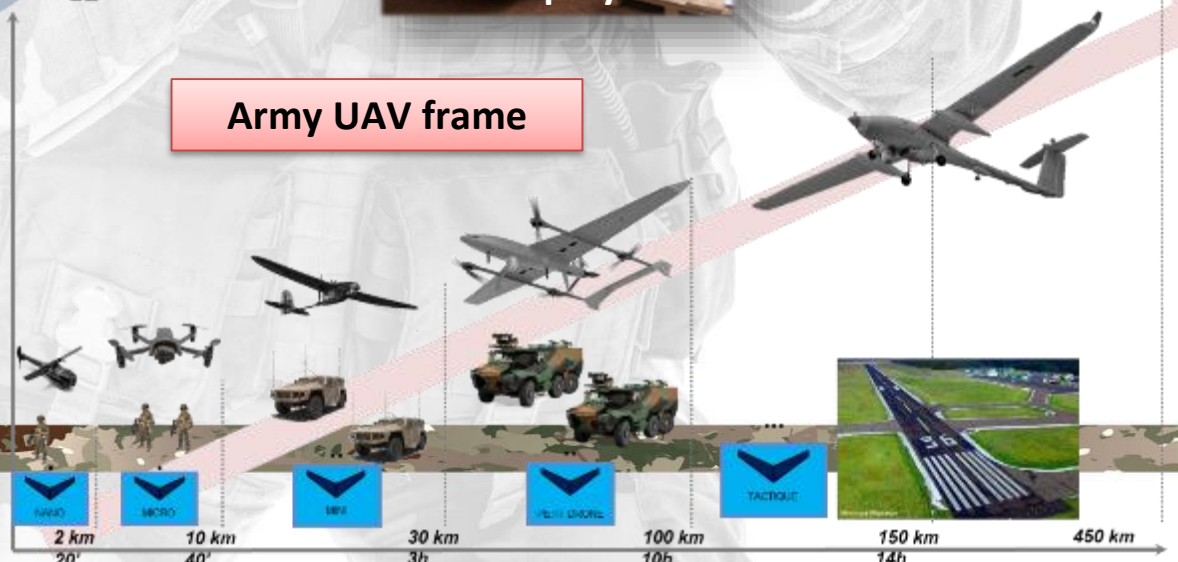
Transverse robotics

Coordination

Integrated robotics

Convergence toward VULCAIN

Experimentations





Building FR Army future capabilities

TITAN's Approach

Imagine what the **combat forces** will be like in **2040**

Integrate the capabilities of the **decisive segment** as well as **connectivity**

Identify the **key and differencing assets**

Develop a **coherence-focused approach**

Design **new solutions**

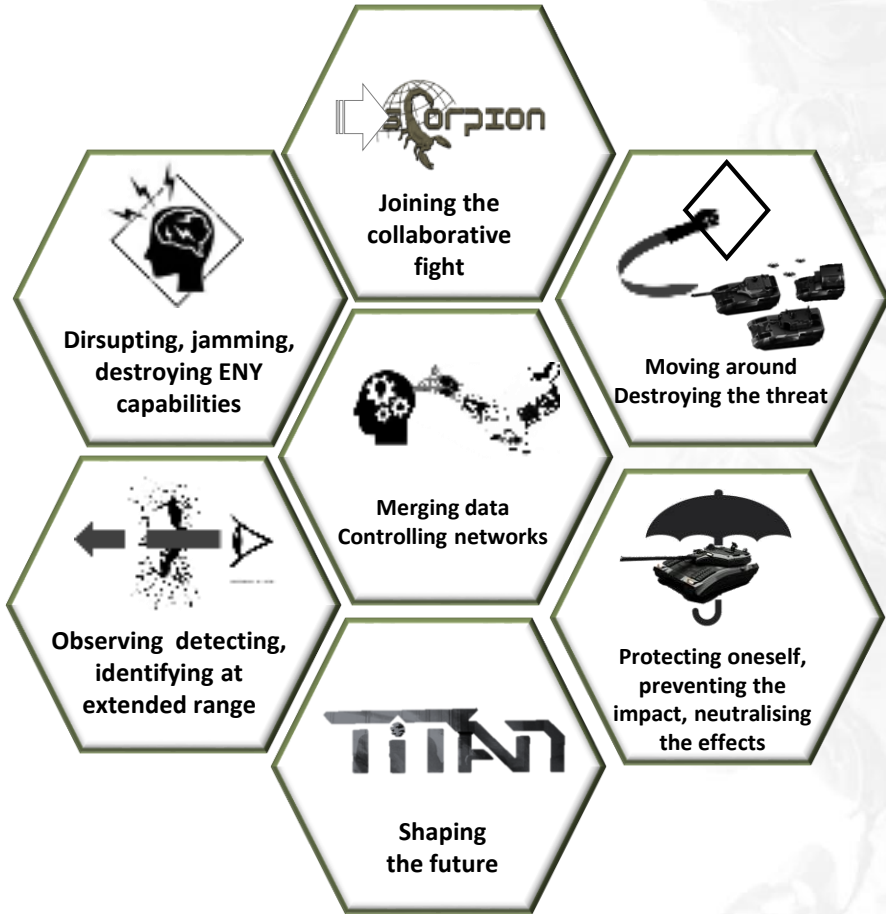


Being a key actor in a multi-sensors multi-effectors combat in order to penetrate and operate into the most disputed areas

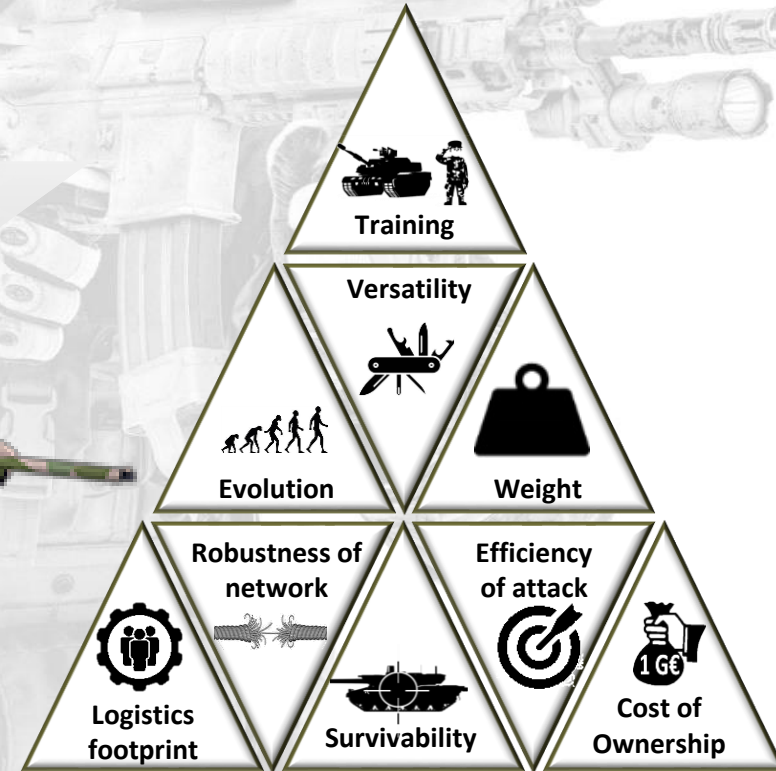
MGCS

an innovative multiplatform system for future land warfare

Artificial Intelligence
 Collaborative combat
 robotics
 connectivity



Main capabilities



Main Issues

Not only the main project for both French and German Armies, but the opportunity to develop the next European success story



ARMÉE de TERRE de COMBAT

