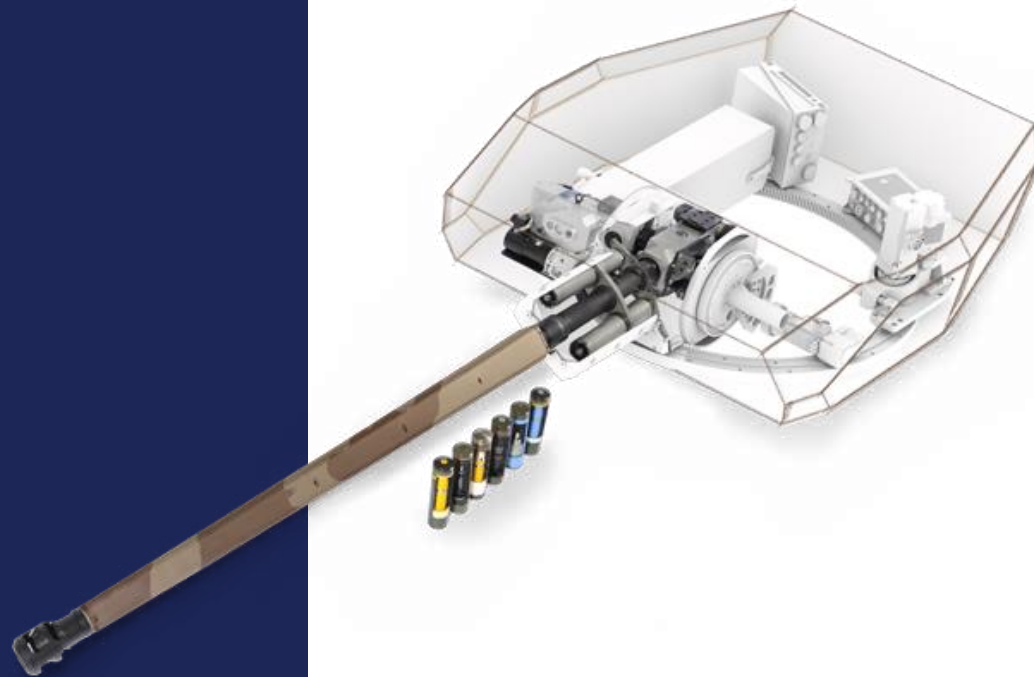


CTA INTERNATIONAL

NDIA - 18360
GUNS, AMMUNITION, ROCKETS &
MISSILES

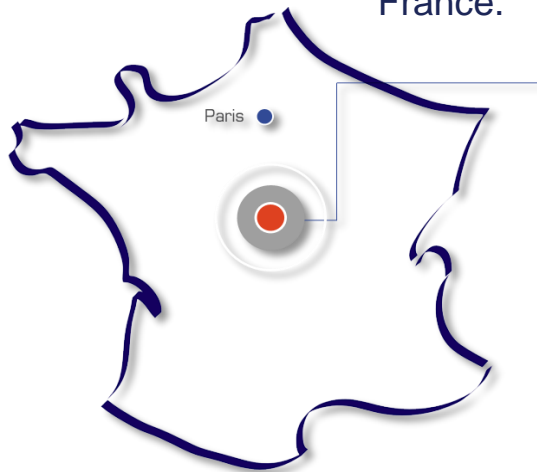


OVERVIEW

CTA International

Joint venture company 50/50 BAE Systems and Nexter Systems

Dedicated Anglo-French team, focused on 40mm CTAS based in Bourges, France.



End 2015 Key Numbers

Employees	81 Permanent
20% British – 80% French	
Order Book	>€200M
Turnover	€41M

Product : 40 CT Armament System

Mission:

- Design, development and qualification of the 40CTAS
- Marketing, sales and where appropriate manufacturing, supplying and supporting the 40CTAS

HISTORY

1988-1993	Technological studies by Giat Industries (GI) caliber: .50 and 35mm Interoperability demonstration in Bourges & Minneapolis (cal 45mm) – 03/1993 Technical Demonstrator Program launched in the UK
1994	18 Oct. : Creation of CTA International 50/50 JV between RO (BAE) and GI (now NEXTER)
1997	International Demo by CTA International with Automatic Cannon (cal. 45mm): AP at 1700 m/s 2 consortia : SICA / LANCER, UK/US TRACER vehicle
2003	Broadening of the CTAI scope activity to CTAS
2004-2007	Turret Integration Capability demonstrated under MoD & DGA 40 CTAS turret integration contract 2 man MTIP & unmanned turret TOUTATIS Successful moving/moving firings demonstrated for both MTIP & TOUTATIS
2008-2011	40CT Cannon downselected by MoD (mandated item for Warrior and FRES-SCOUT programs) and préselection by DGA for JAGUAR program Growth of reliability until TRL8
2011-2014	Qualification Contrat (Canon & munitions)
2012	CTAS integrated in T40M turret & DEMO DUNE
2014	June : Qualification of Cannon + APFSDS-T + TP-T by UK MOD & Fr DGA
2016	March : 1st serial 40CT cannon delivery to UK MoD



BRADLEY – United Defence (1999)



ABERDEEN - 2001



40CT selected by UK MOD for SCOUT & WARRIOR upgrade

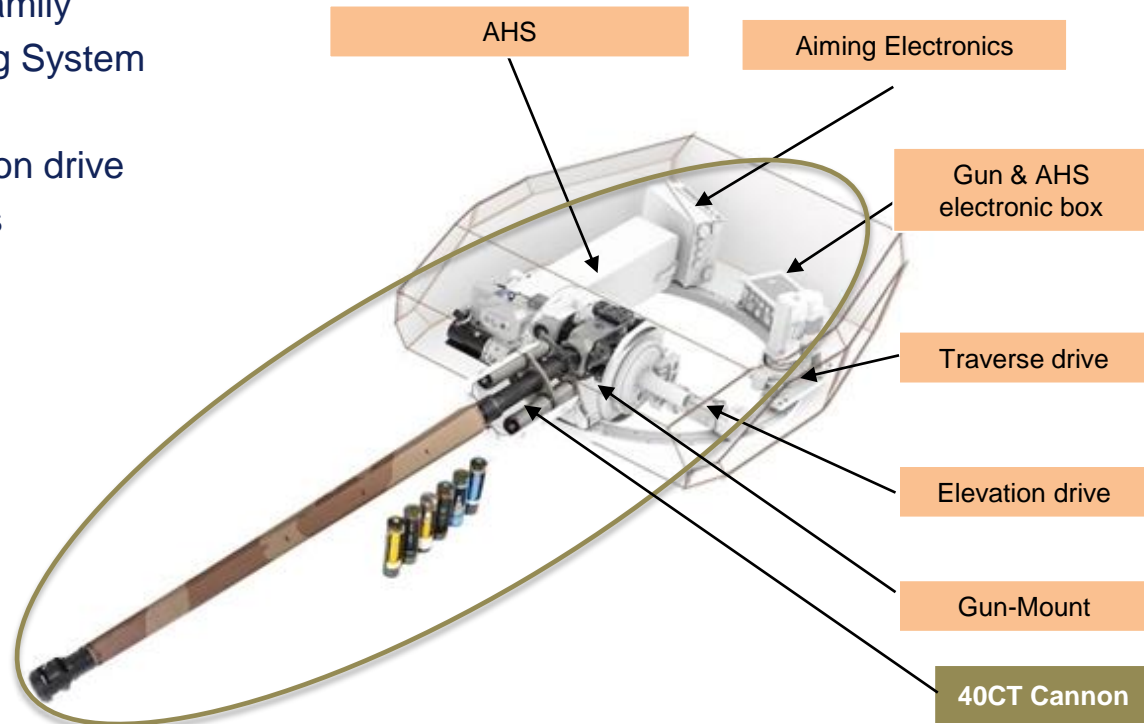


T40M

40CTAS PRODUCT

40CTAS : Cased Telescoped Armament System

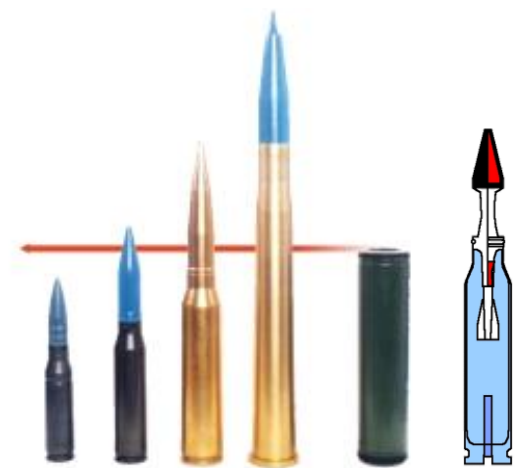
- 40 CTAS
 - 40CT Cannon
 - 40CT Ammunition Family
 - Ammunition Handling System
 - Gun Mount
 - Traverse and elevation drive
 - Electronic controllers
 - Aiming drive
 - Gun and AHS



CT40 – AMMUNITION FAMILY

Less Volume

More Performance



APFSDS



Armour Piercing
Fin Stabilised
Discarding Sabot



Defeat of RHA
and add-on armours

140 mm RHA

GPR-PD & AB



PD + AB fuzed HE ammunition
combined in one General Purpose Round



Point Detonating defeat of
structures with behind-
structure effect (200 mm)



AirBurst suppression,
both 'line of sight' & 'non
line of sight' land and air
targets



Defeat of soft skin
targets

TP



Target Practice



TMR – Target Marking Round



TPRR – Target Practice
Reduced Range



A3B – Anti-Aerial AirBurst

SHORT / MEDIUM TERM APPLICATIONS



WCSP

Final customer : UK MoD
Prime : Lockheed Martin



Jaguar

Final customer : French DGA
Turret Supplier : Nexter



SCOUT SV

Final customer : UK MoD
Prime : General Dynamics
Turret Supplier : Lockheed Martin



Other Export

Prime : Nexter/ Lockheed Martin/ Other
Turret Supplier : Nexter/ Lockheed Martin/ Other

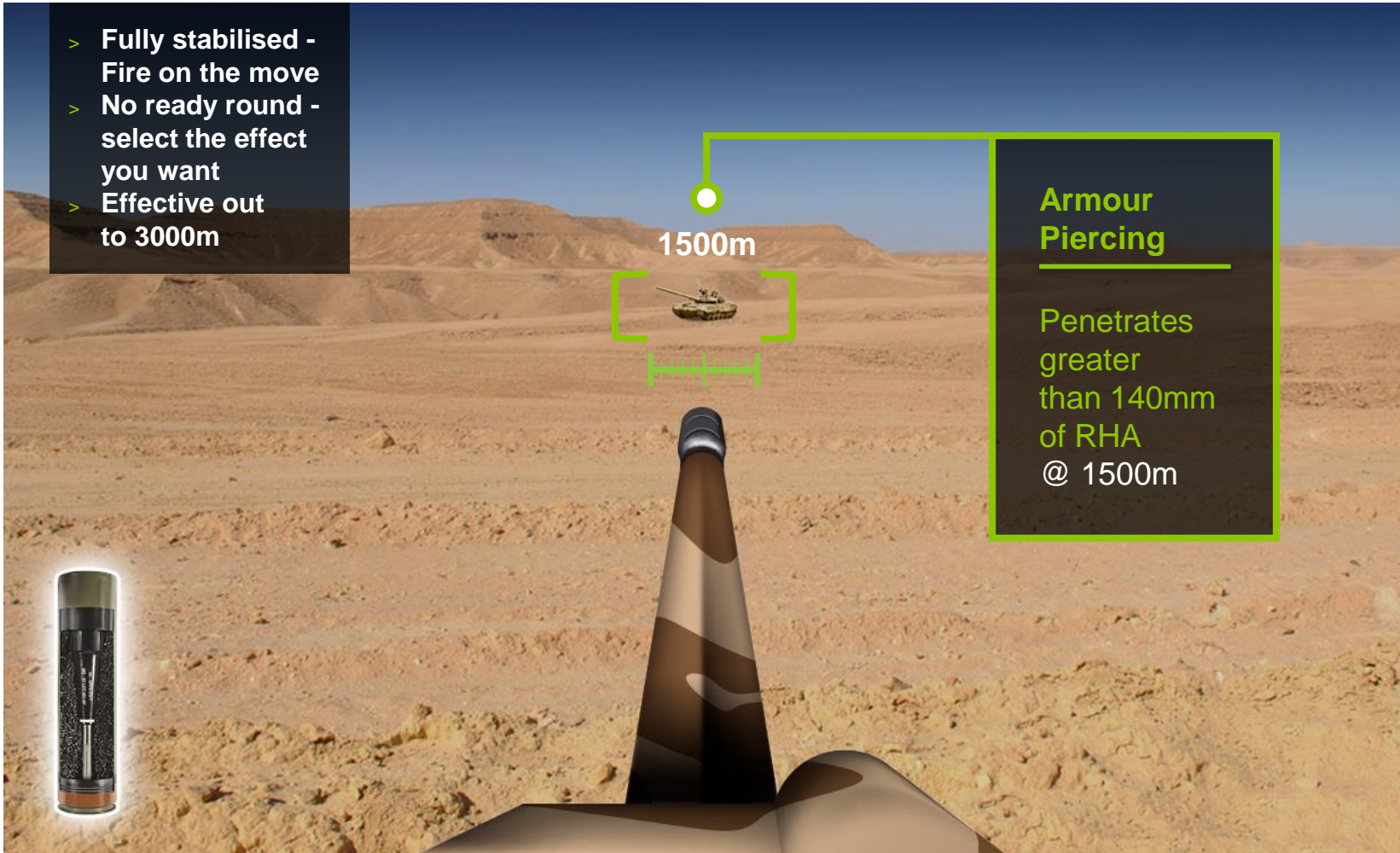


RapidFire

Prime : Thales
Turret Supplier : Nexter

LETHALITY - ARMOUR PIERCING

- > Fully stabilised -
Fire on the move
- > No ready round -
select the effect
you want
- > Effective out
to 3000m



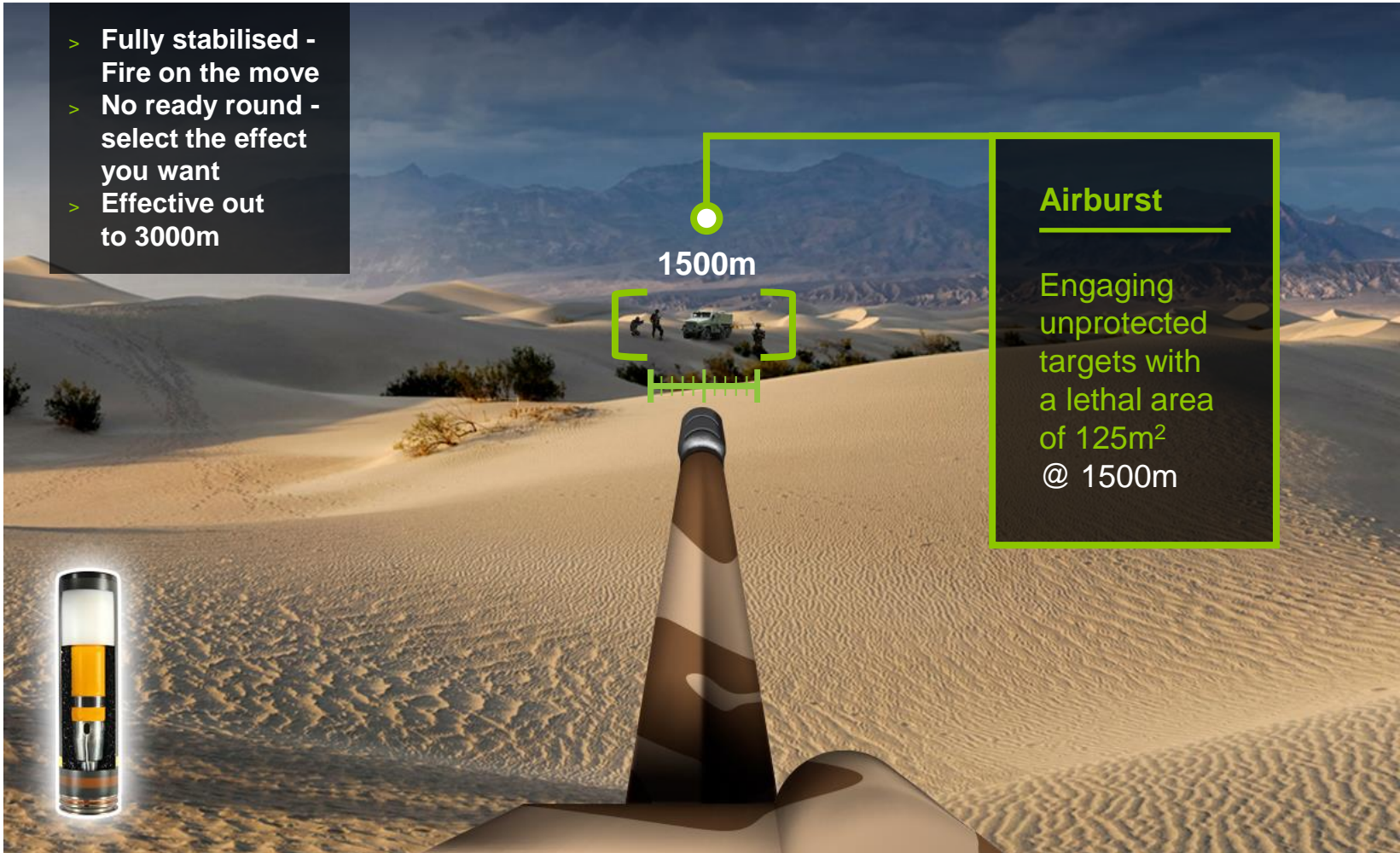
Armour Piercing

Penetrates
greater
than 140mm
of RHA
@ 1500m



LETHALITY - AIRBURST

- > Fully stabilised -
Fire on the move
- > No ready round -
select the effect
you want
- > Effective out
to 3000m



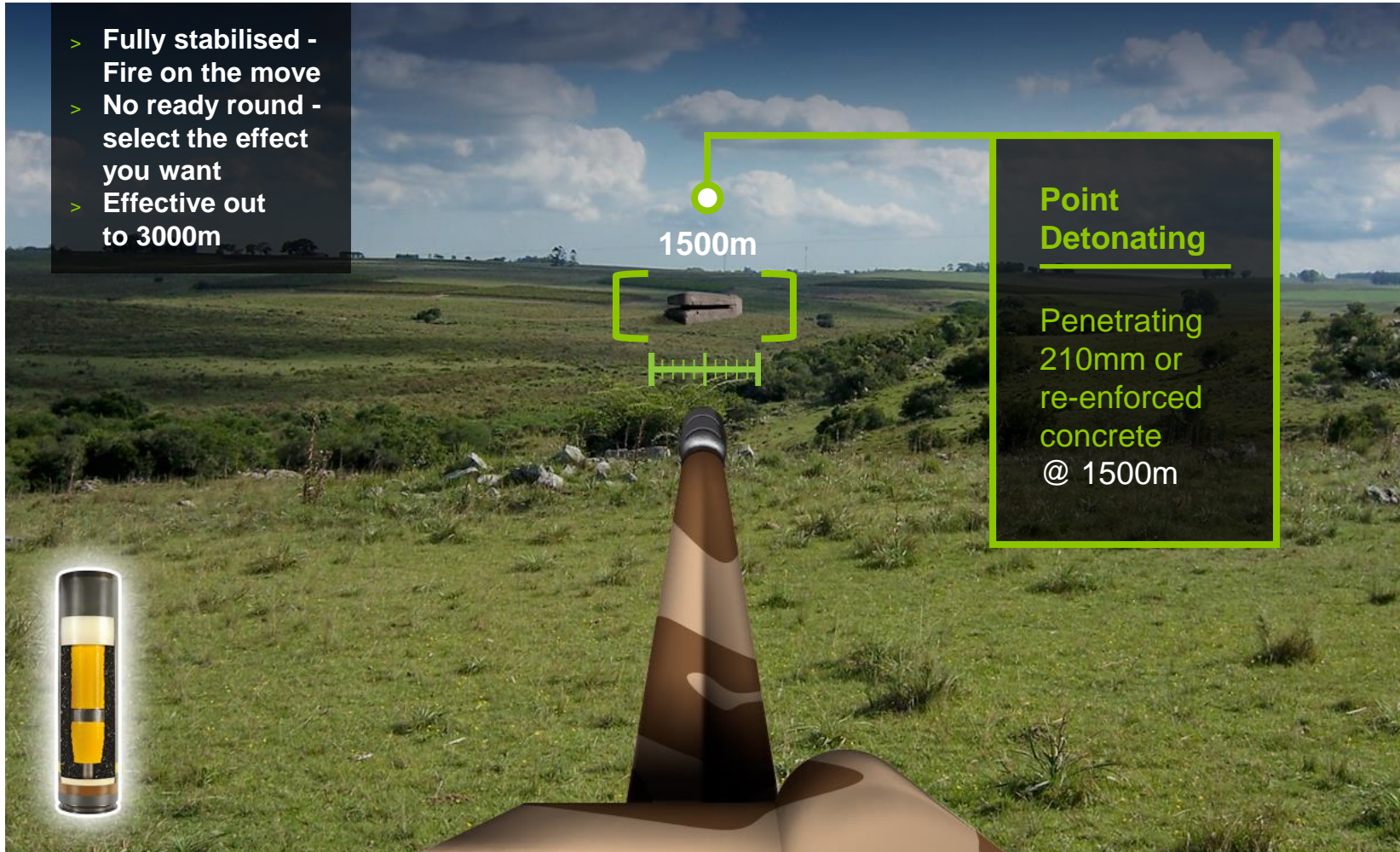
Airburst

Engaging
unprotected
targets with
a lethal area
of 125m²
@ 1500m



LETHALITY - POINT DETONATING

- > Fully stabilised - Fire on the move
- > No ready round - select the effect you want
- > Effective out to 3000m



Point Detonating

Penetrating 210mm or re-enforced concrete @ 1500m

BATTLEFIELD MISSION

- > Fully stabilised -
Fire on the move
- > No ready round -
select the effect
you want
- > Effective out
to 3000m

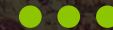
1500m

BMP3

30mm
12 Rounds

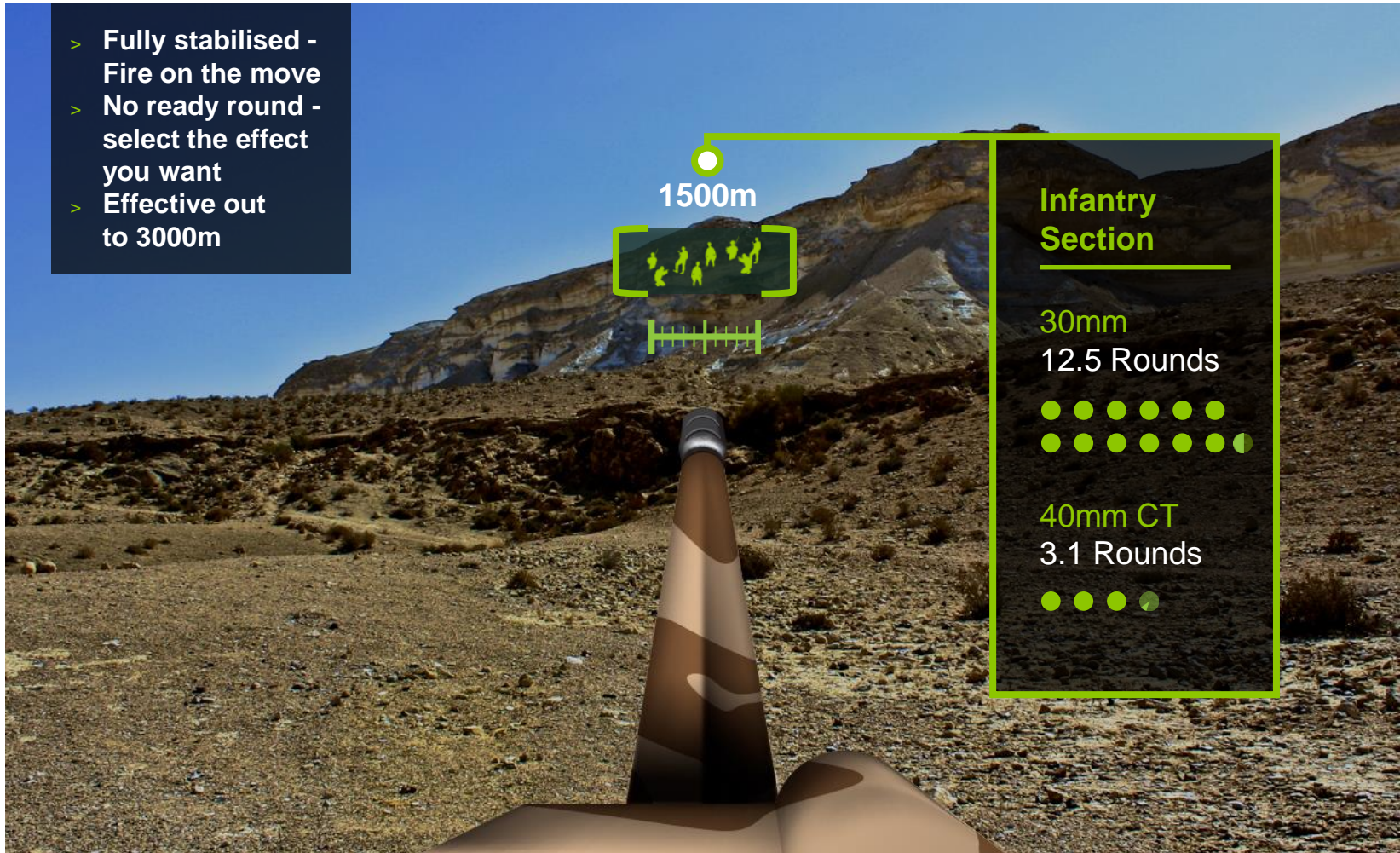


40mm CT
3 Rounds



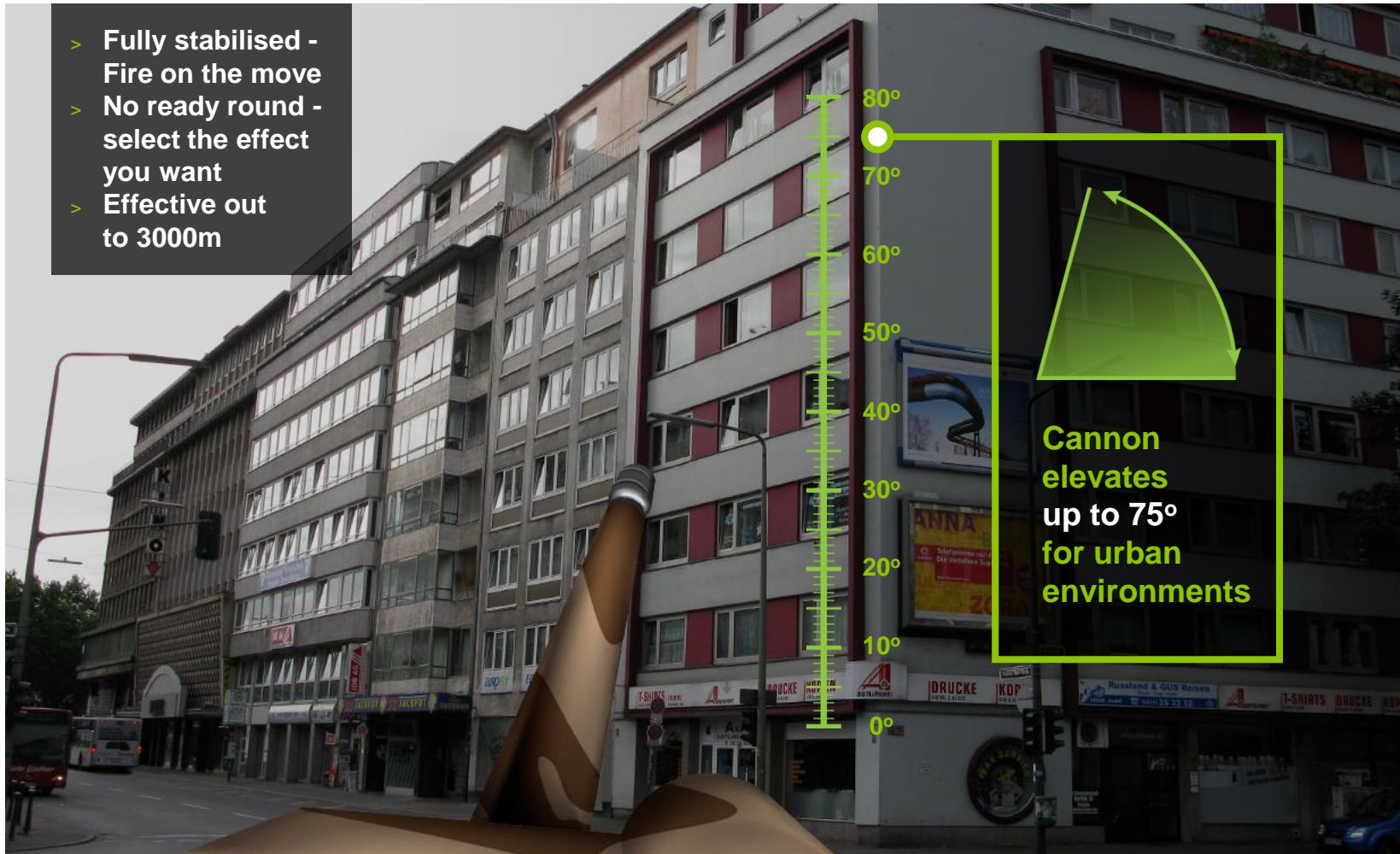
BATTLEFIELD MISSION

- > Fully stabilised -
Fire on the move
- > No ready round -
select the effect
you want
- > Effective out
to 3000m

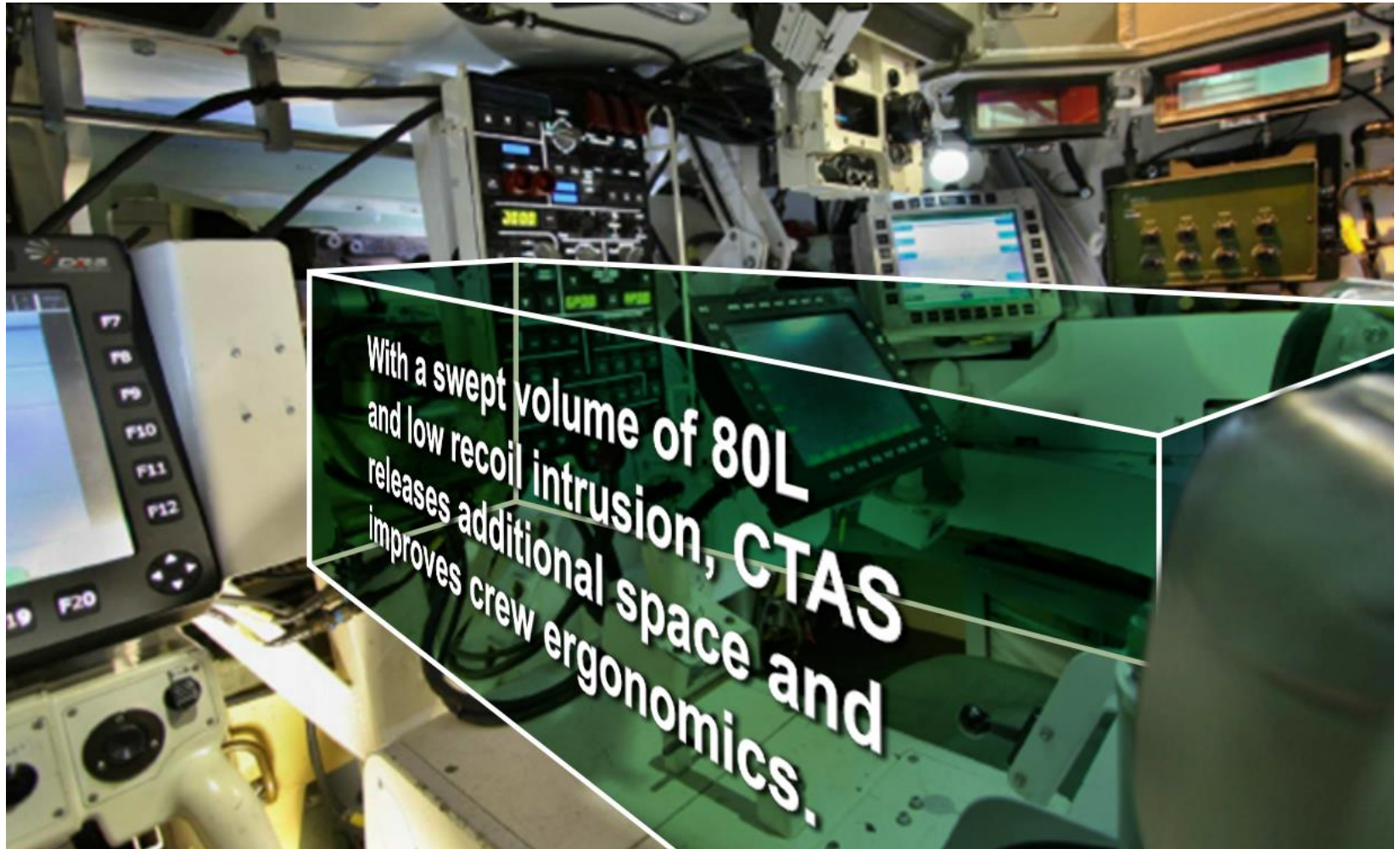


FLEXIBILITY

- Fully stabilised - Fire on the move
- No ready round - select the effect you want
- Effective out to 3000m



EASE OF INTEGRATION



SPEAKS VOLUME



PRODUCTION



QUESTIONS?

