SMARTSHOOTER

Making Every Shot Count

# General Introduction

**Csaba Wiszler, Smart Shooter Europe**

# SMART SHOOTER LTD – OUR STORY

Private company, founded in 2011

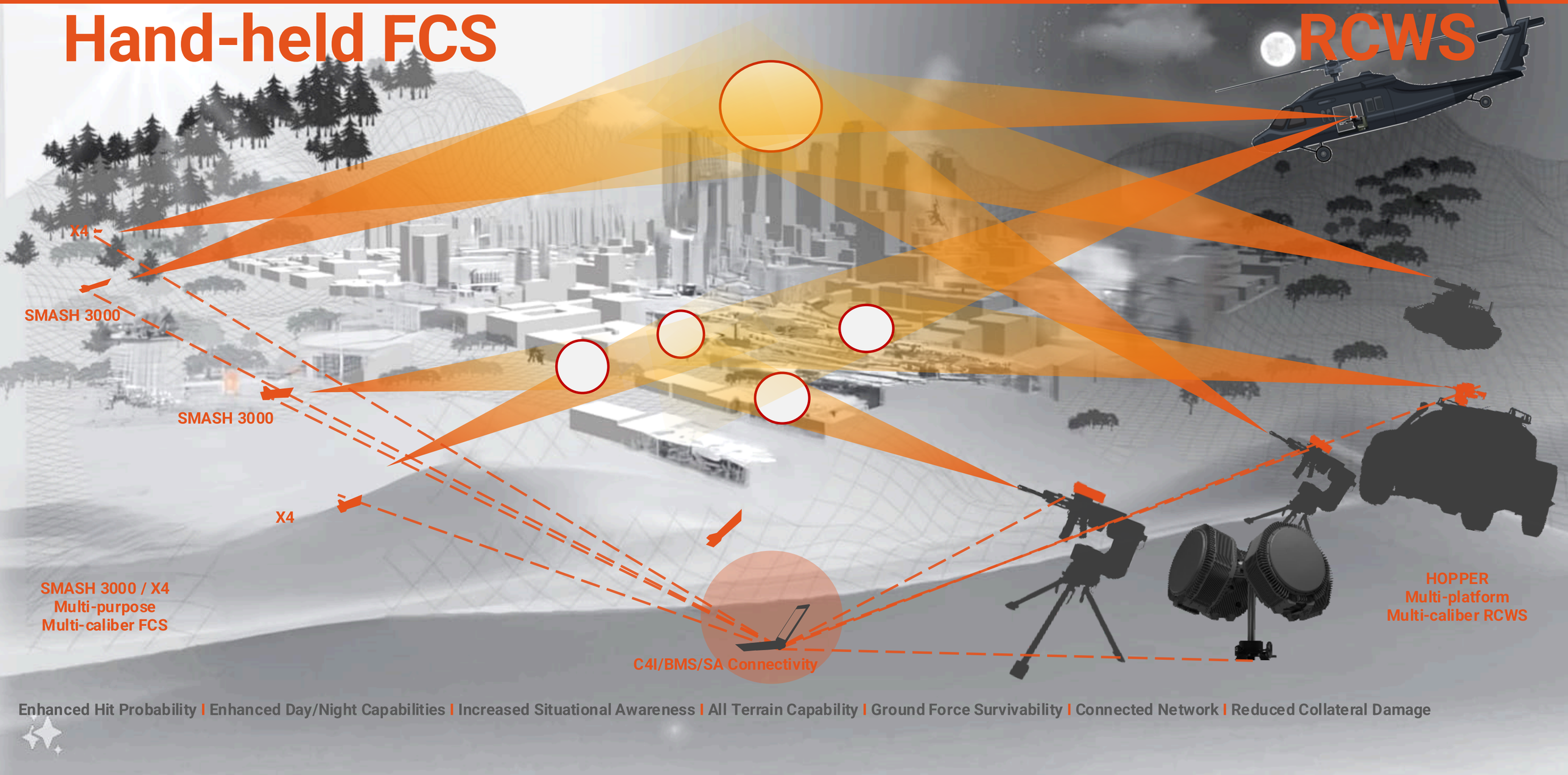
Smart Shooter designs, develops and manufactures advanced systems that provide
Greater Hit Accuracy for small arms.

Established in response to the demand for:
Increased lethality & soldier survivability
with lower collateral damage

Smart Shooter develops open architecture platforms that enables numerous applications for infantry soldiers

Smart Shooter holds an ISO 9001 certification,
and all products fully meet MIL-STD 810

# SMART SHOOTER LTD – OUR VISION




Enhanced Hit Probability | Enhanced Day/Night Capabilities | Increased Situational Awareness | All Terrain Capability | Ground Force Survivability | Connected Network | Reduced Collateral Damage

# SMART SHOOTER LTD – PRODUCT LINE

- SMASH
  - Hand-Held
    - SMASH 3000 / SA
    - SMASH X4 / SA
  - Remote-Controlled
    - SMASH HOPPER



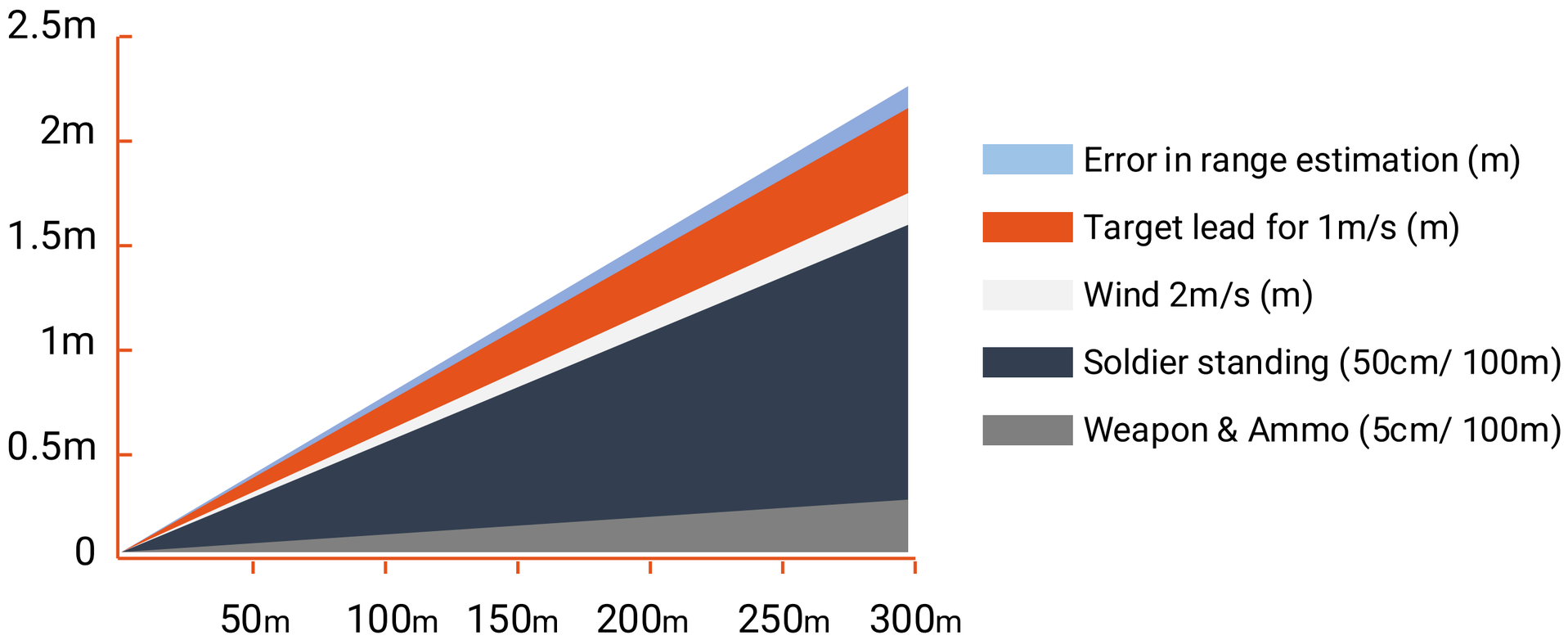




# SMART SHOOTER LTD - TEST

**NATO** Weapons & Sensors Working Group Study, 2010

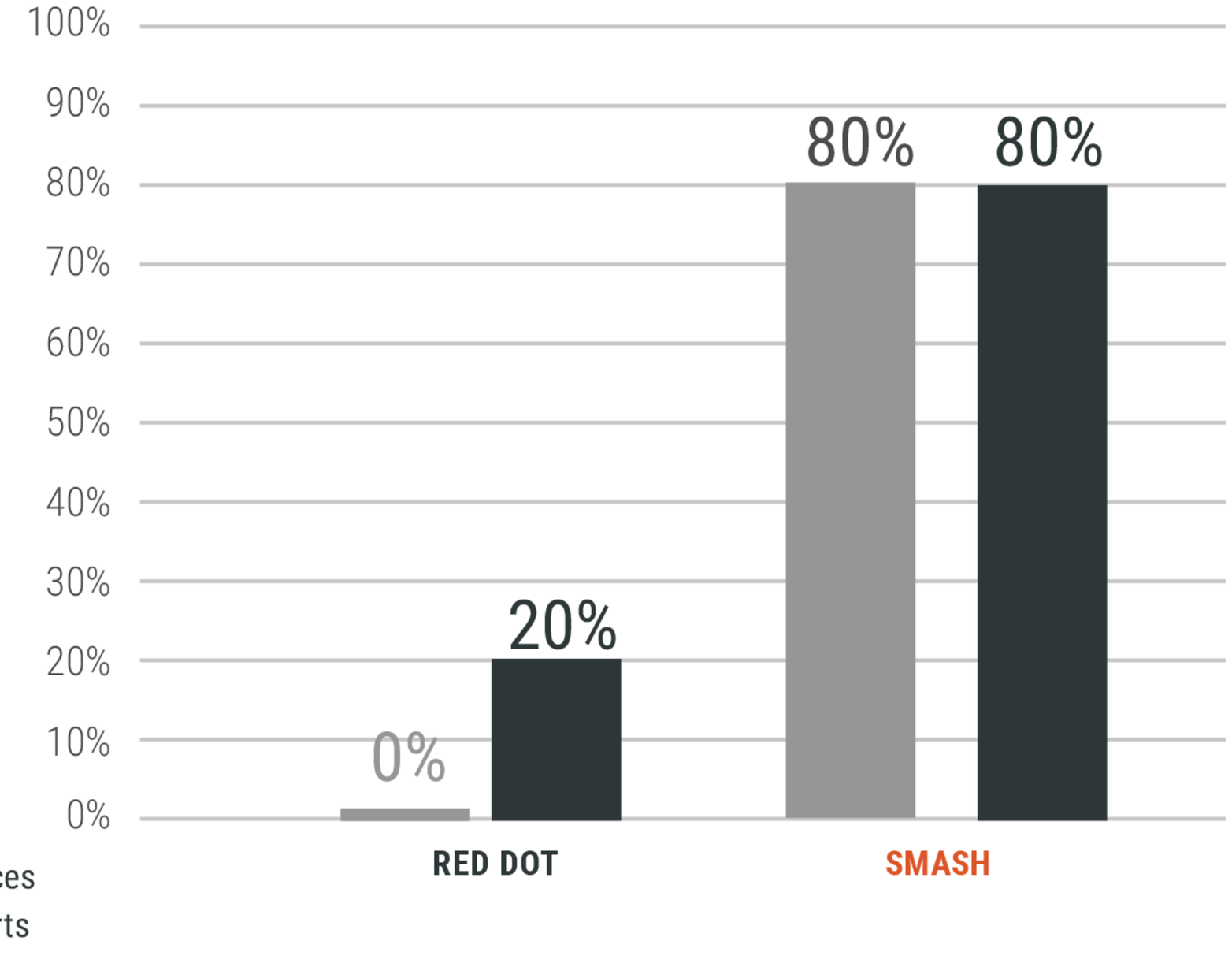
## Error Budget, Standing Stress



# SMART SHOOTER LTD – TEST

First round hit on moving target at 100 meters

Untrained Vs expert shooters



# SMASH EXPERIENCE



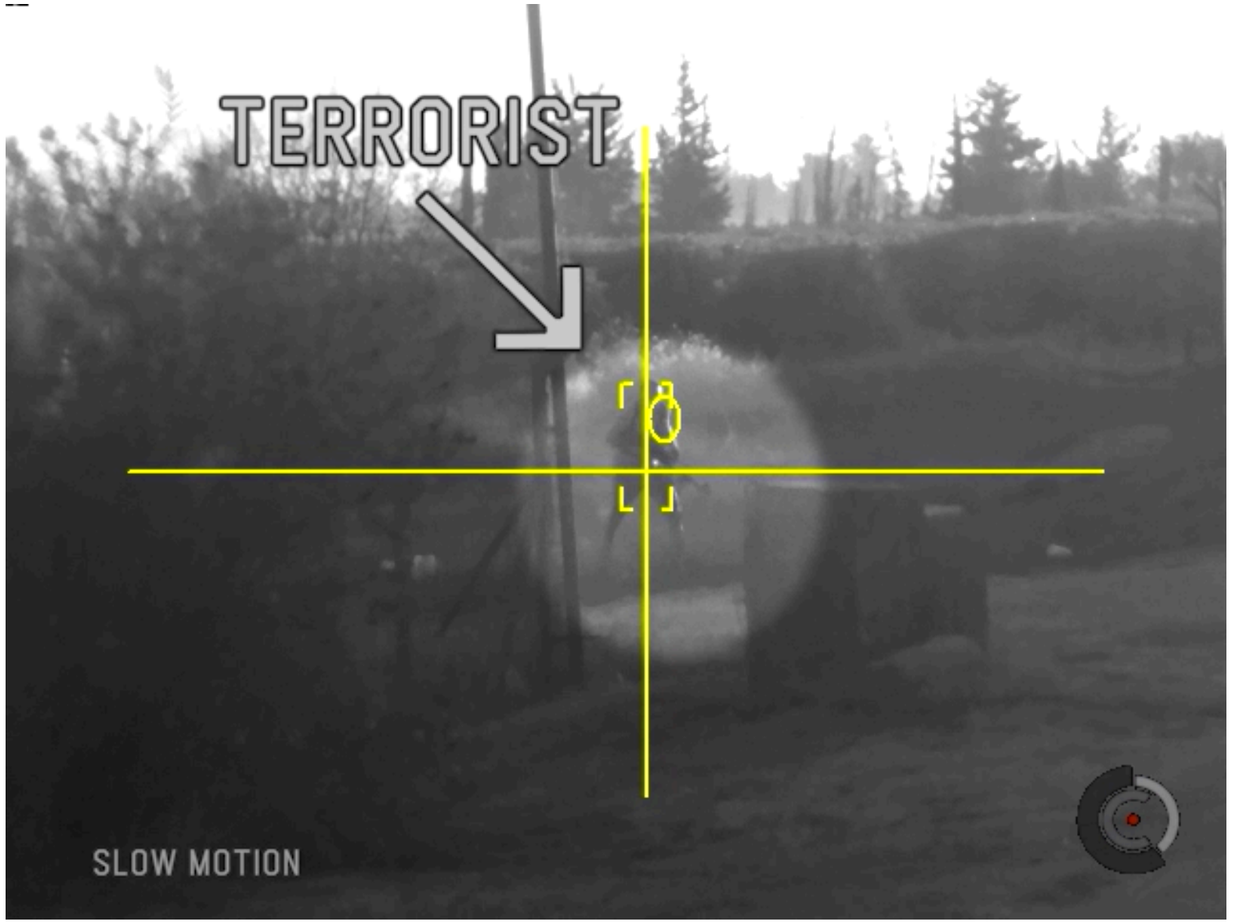
# MOVING GROUND TARGET

GUN – X95

AMMO – 5.56, M193

RANGE – 100-75m

ENEMY – Terrorist, RPK 7.62



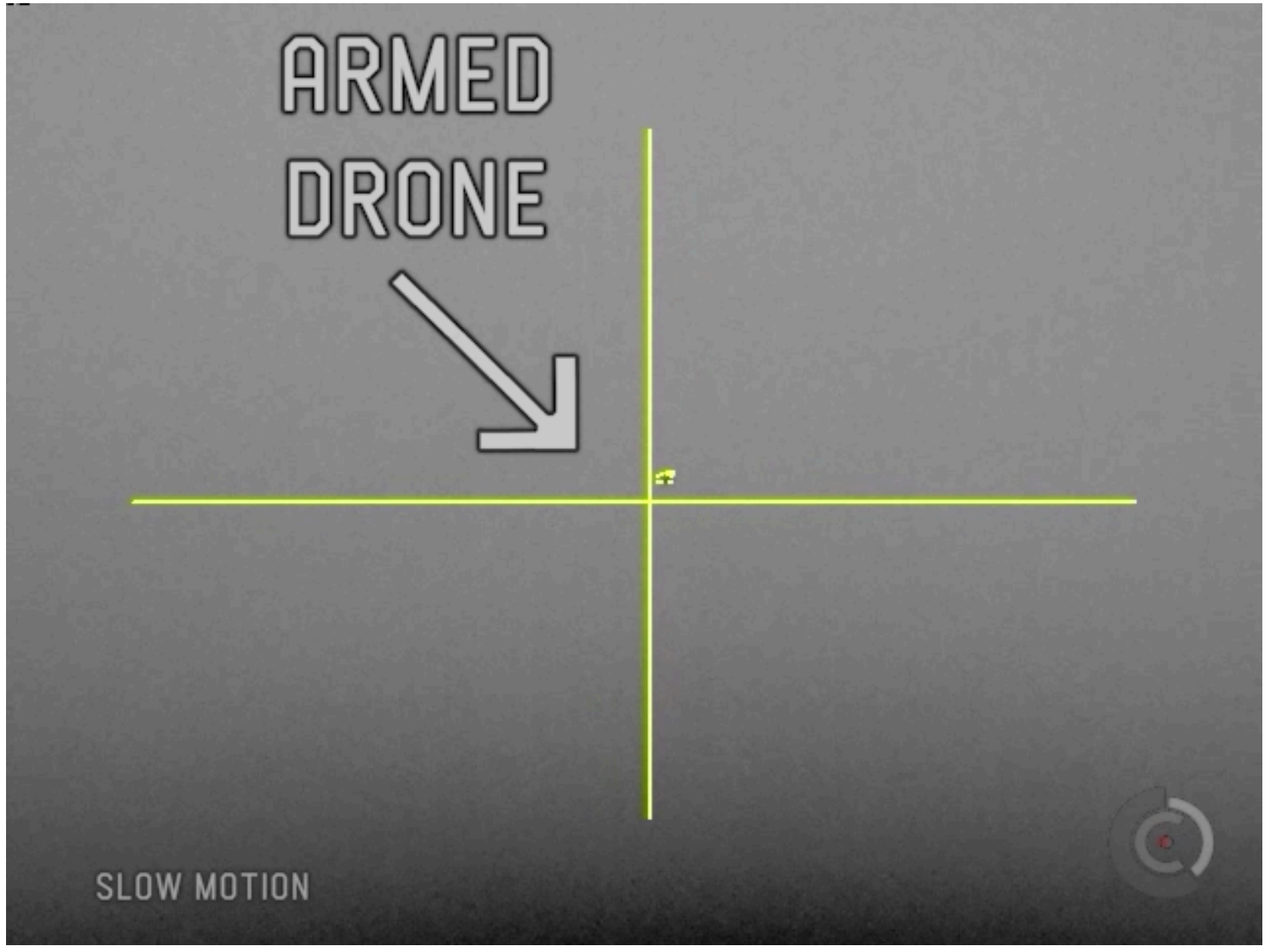
# MOVING AERIAL TARGET

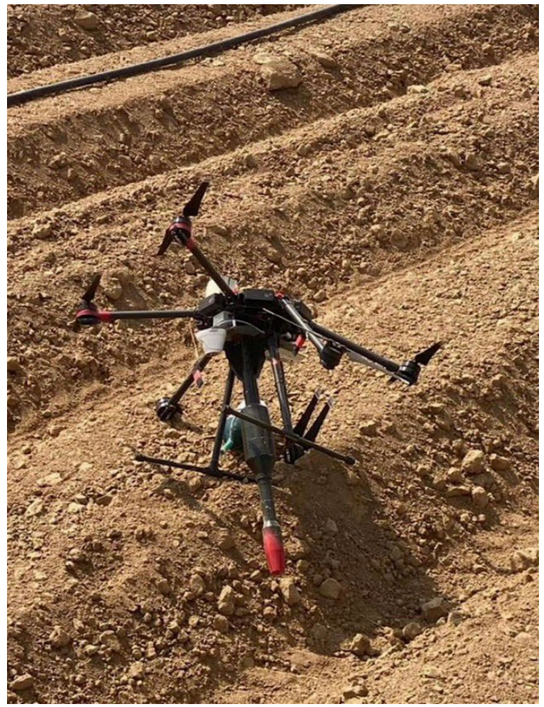
GUN – M4A1

AMMO – 5.56, M193

RANGE – 200m

ENEMY – Armed drone



# MOVING MARITIME TARGET

GUN – M4A1

AMMO – 5.56, M193

RANGE – 100-150m

SPEED – 15 knots

MISSION – Boat Interdiction

**58 rounds out of 60 hit the target**





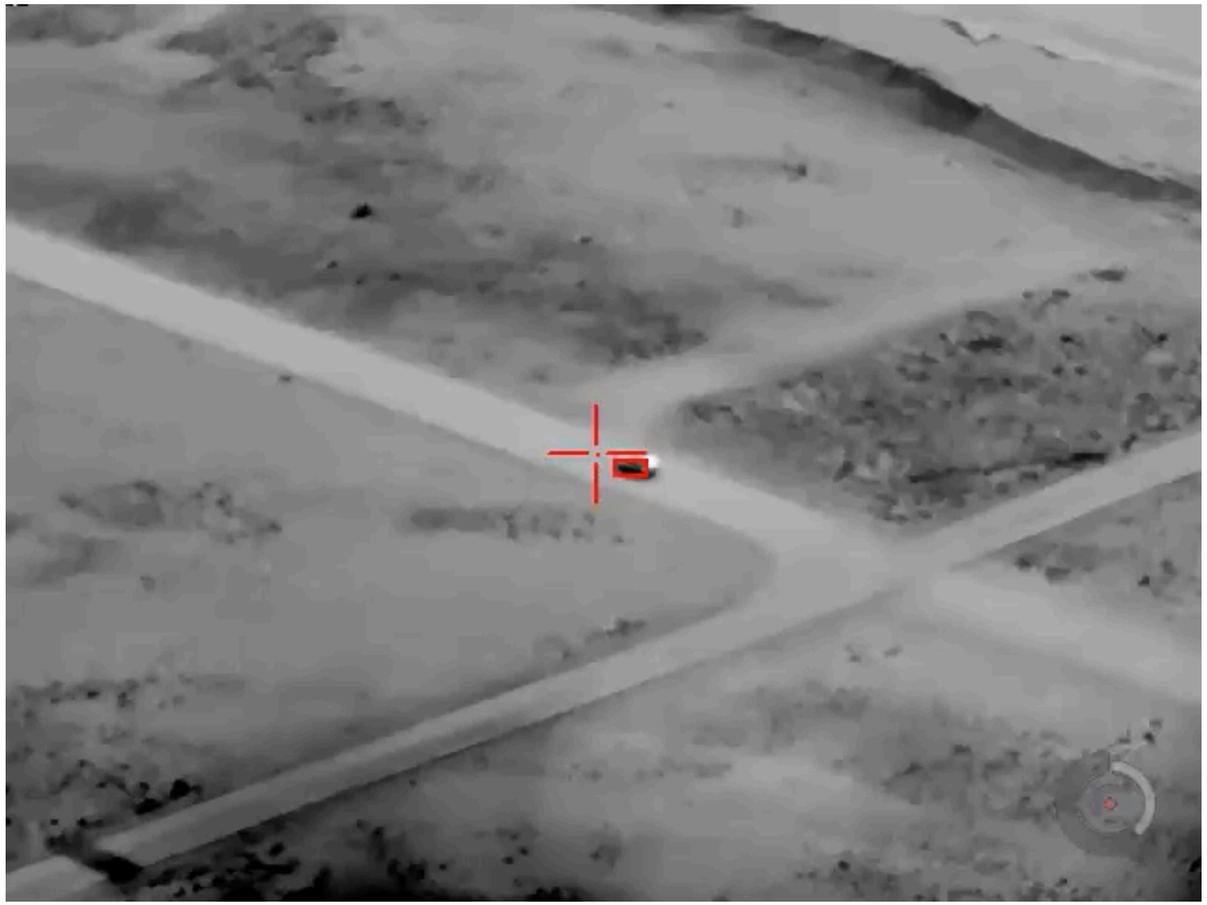
# HELICOPTER SHOOTING

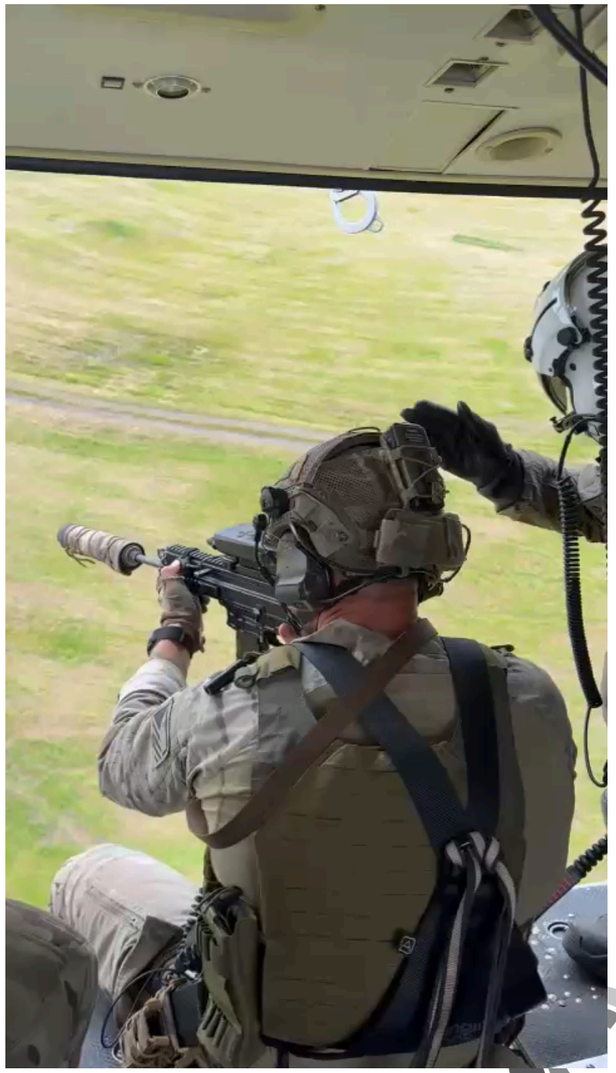
GUN – CZ BREN2

AMMO – 7.62

RANGE – 100-150m

MISSION – Air Interdiction





# HOPPER RCWS

GUN – M4A1

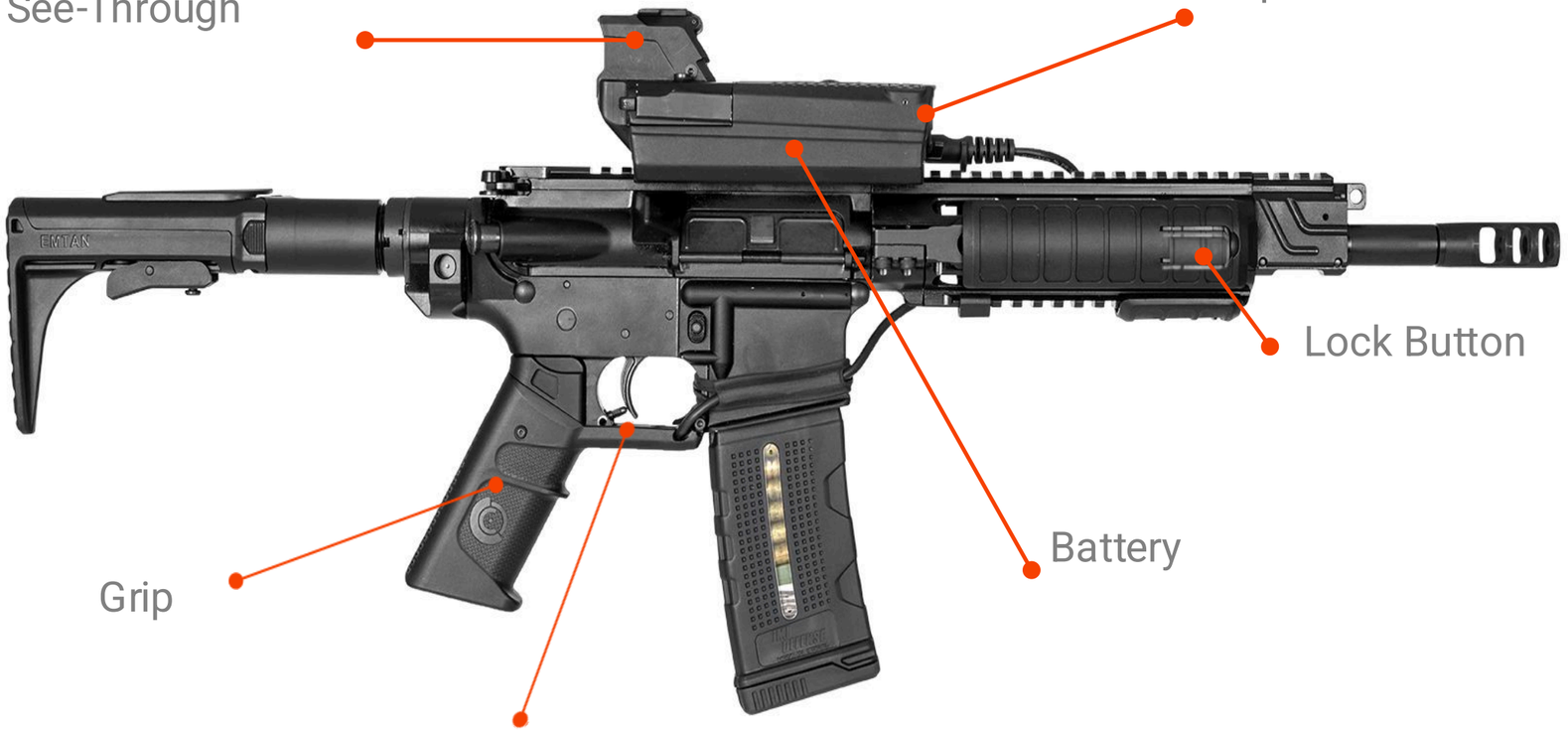
AMMO – 5.56, M193

RANGE – 100-400m

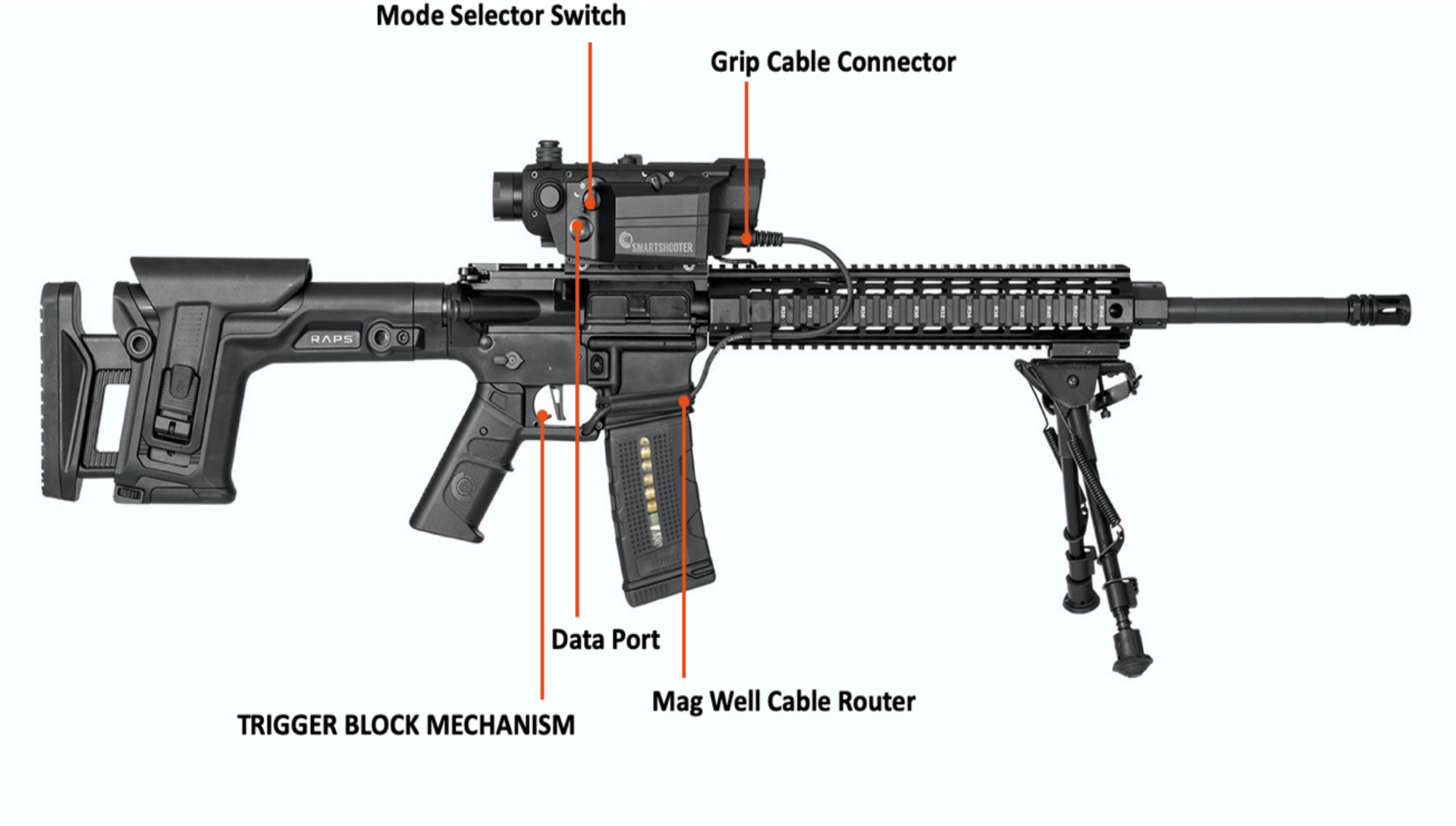
MISSION – Kinetic C-UAS

# SMASH 3000 KIT

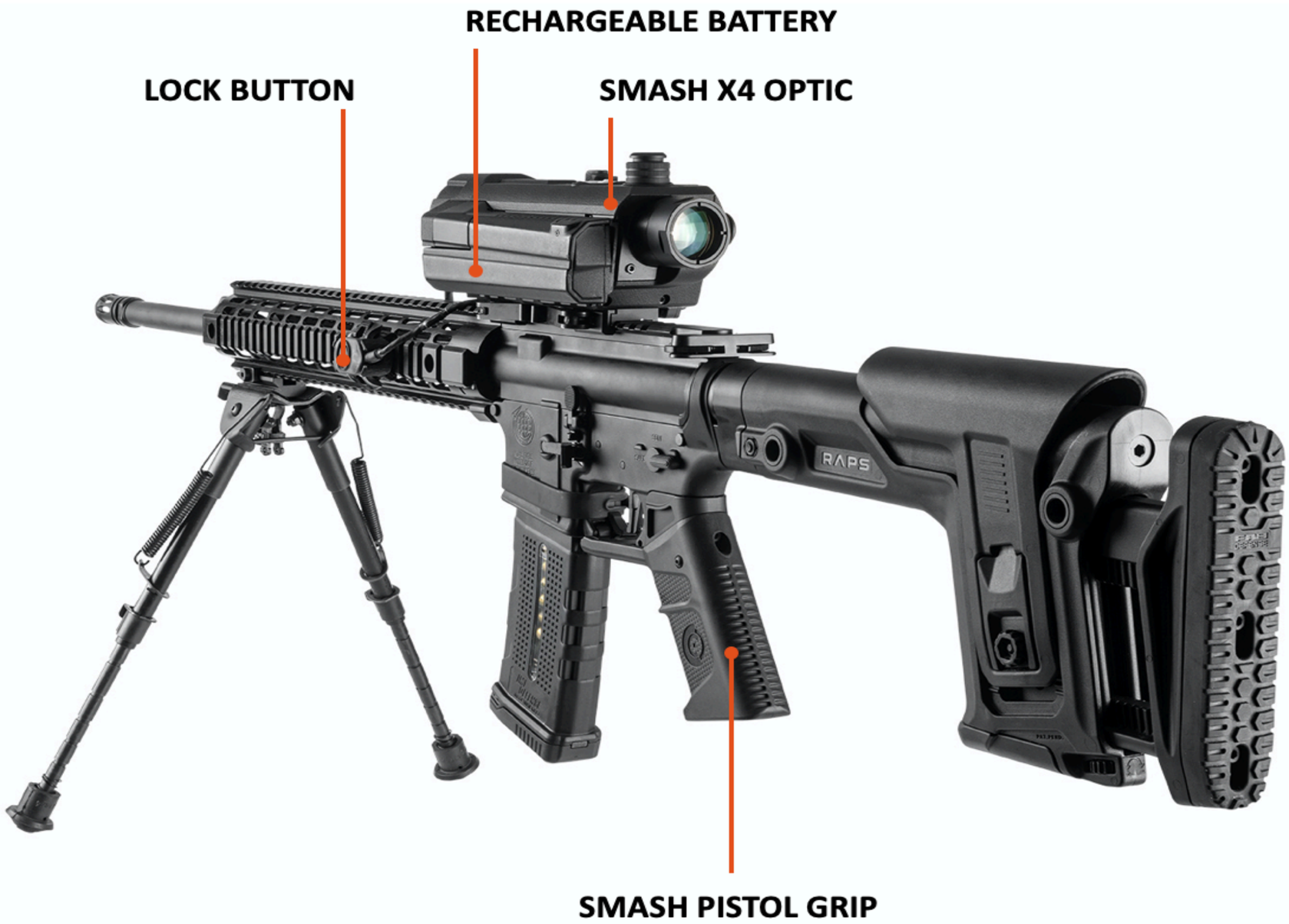
Assault Rifle



# X4 KIT


Mode Selector Switch
Grip Cable Connector
SMARTSHOOTER
RAPS
Data Port
TRIGGER BLOCK MECHANISM
Mag Well Cable Router

# X4 KIT


RECHARGEABLE BATTERY
LOCK BUTTON
SMASH X4 OPTIC
RAPS
SMASH PISTOL GRIP

# HOPPER KIT

SMASH Fire Control System (FCS) with LRF

Pan and Tilt Unit (PTU)

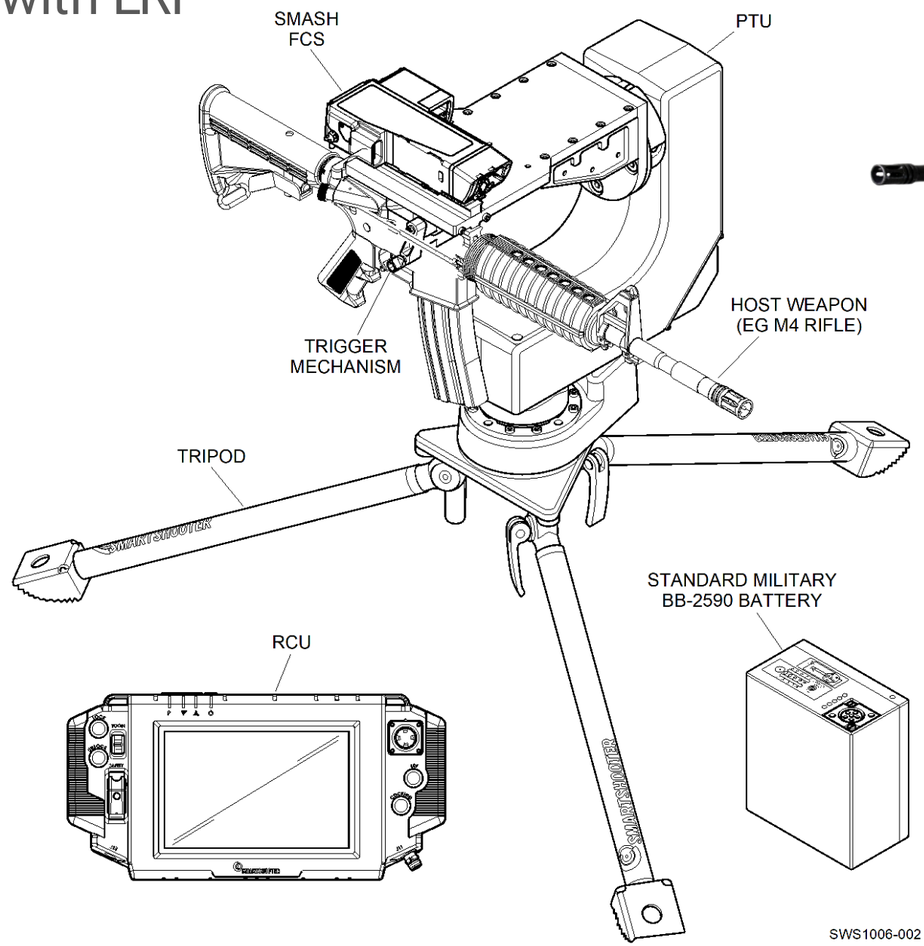
Trigger Mechanism

Tripod

Remote Control Unit (RCU)

BB-2590 Battery (Standard)

POD Thermal Camera






# FIRING MODES

**There are three firing modes:**

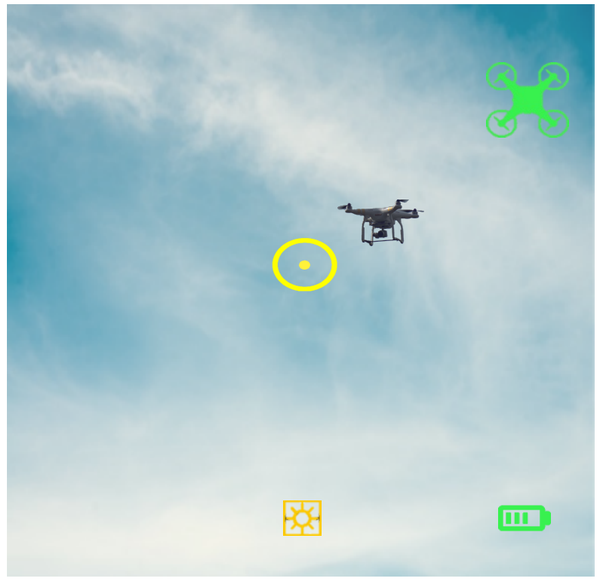
- Manual Firing
- Assisted Firing
- Zeroing Mode
- Drone Mode (Flying targets)




Firing mode is selected by a long press on the middle button (nr 5.), followed by selecting the desired firing mode using controls.

# OPERATIONAL FLOW – SMASH 3000

**Aim**



**Aim**



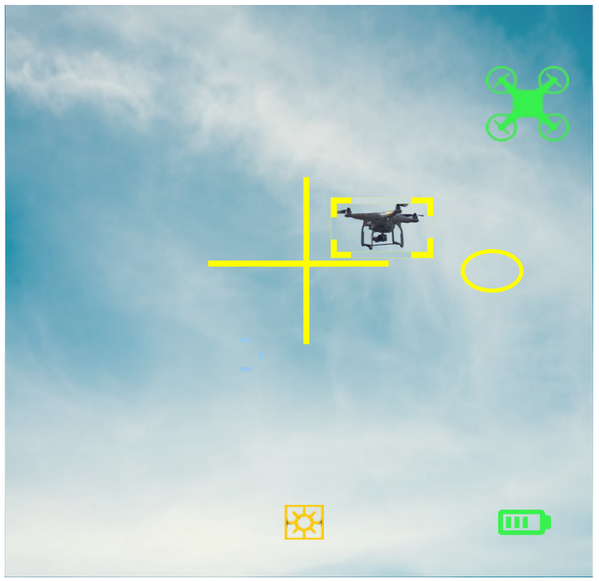
**Target Acquisition**



**Lock Button pressed**



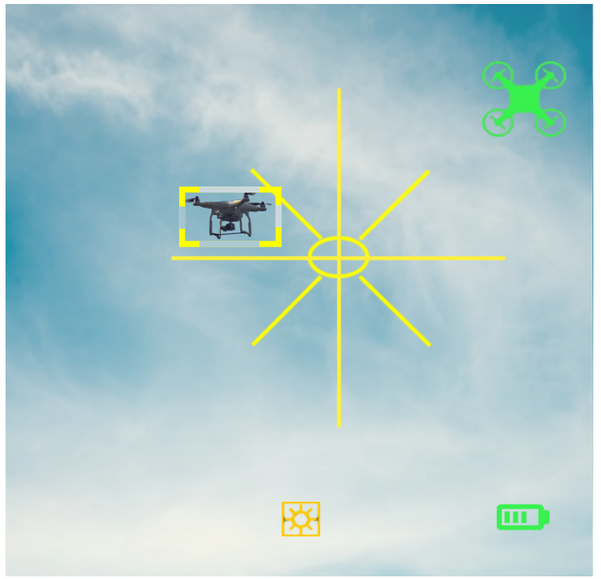
**Target Lock**



**Lock Button Released**



**Round Release**

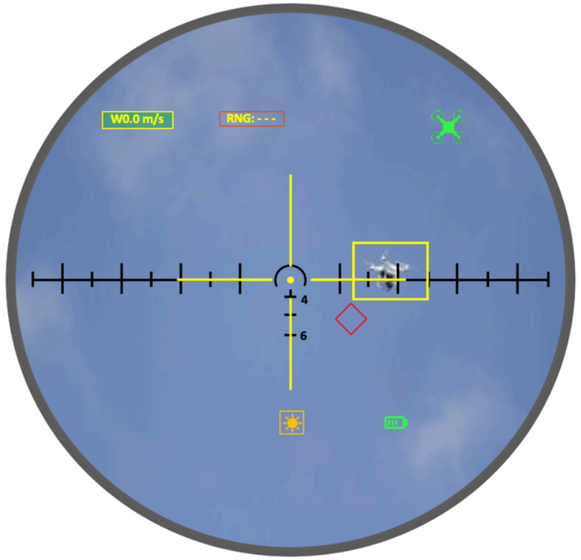


**Trigger pressing and aiming**



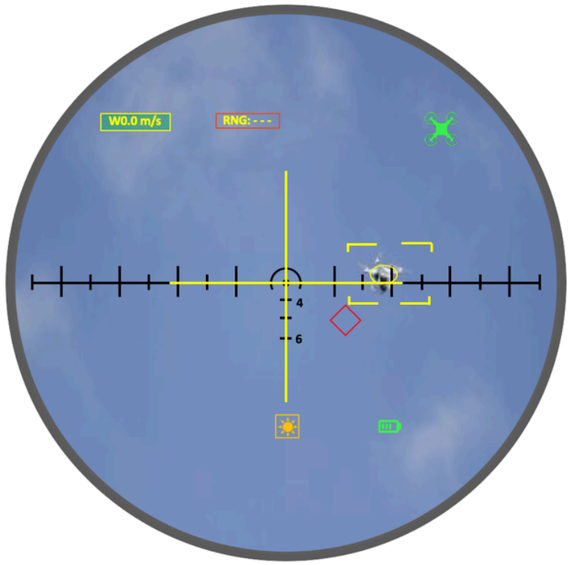
# OPERATIONAL FLOW – X4

**Target Acquisition**



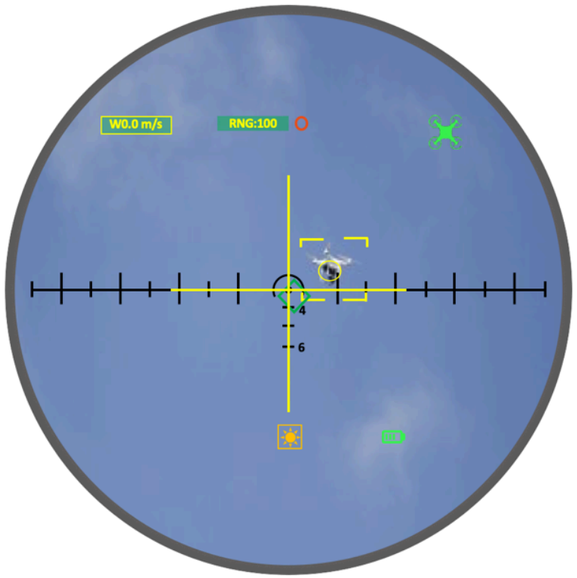

**Lock Button pressed**

**Target Lock**



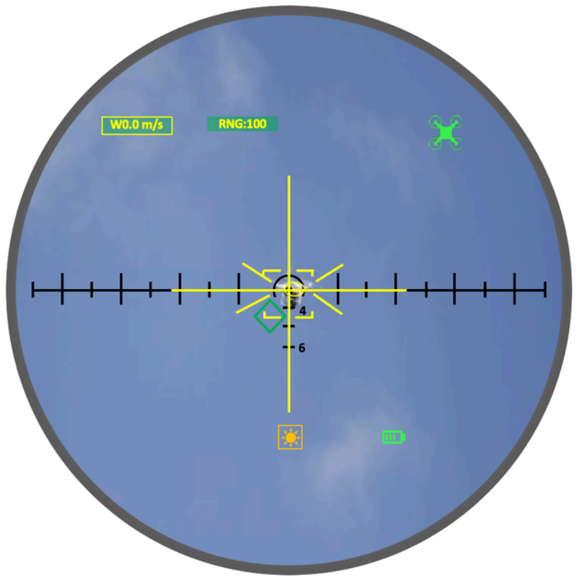

**Lock Button Released**

**Target Lock**




**Aiming at LRF**

**Round Release**

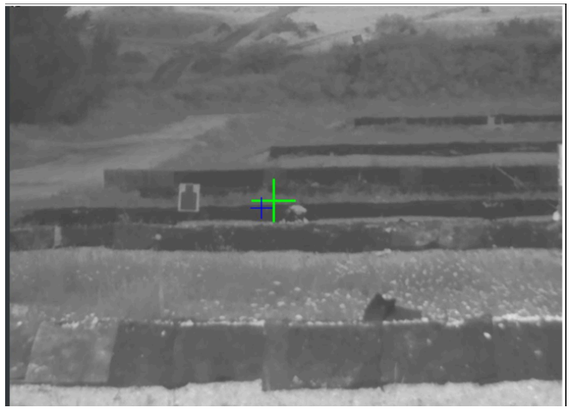



**Trigger pressing and aiming**

# OPERATIONAL FLOW – HOPPER RCWS



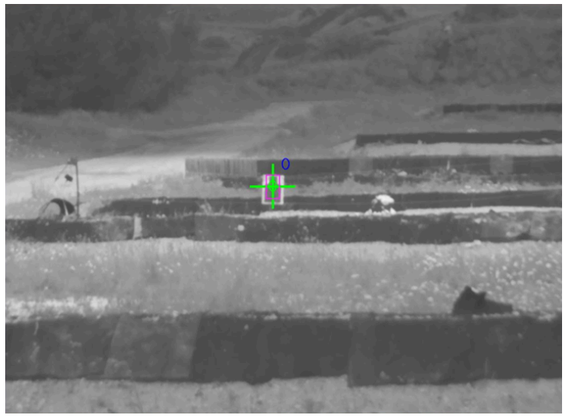

**Aim**



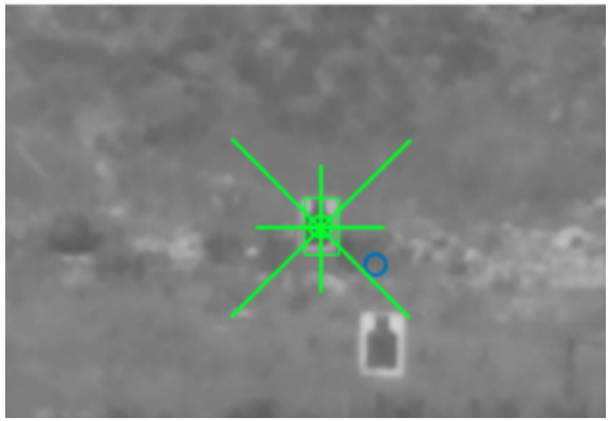
**Target Acquisition**



**Target Lock**



**Round Release**



**Joystick**



**Touch screen or Joystick/Lock**



**Automated lasing ~ 3 SEC**



**Trigger pressing and aiming**



# ENHANCED SA AND CONNECTIVITY



# SMASH INTEGRATION

**| Enhanced Hit Probability | Enhanced Day/Night Capabilities | |**
**Increased Situational Awareness | All Terrain Capability |**
**| Ground Force Survivability | Connected Network |**
**| Reduced Collateral Damage |**

- **Mounted, Dismounted Manoeuvring Forces**
- **C-UAS**
- **Border Protection, Base Defense**
- **Critical Infrastructure and Assets Protection**

# LAYERED AIR DEFENCE CONCEPT

UAS Class III

UAS Class II

UAS Class I



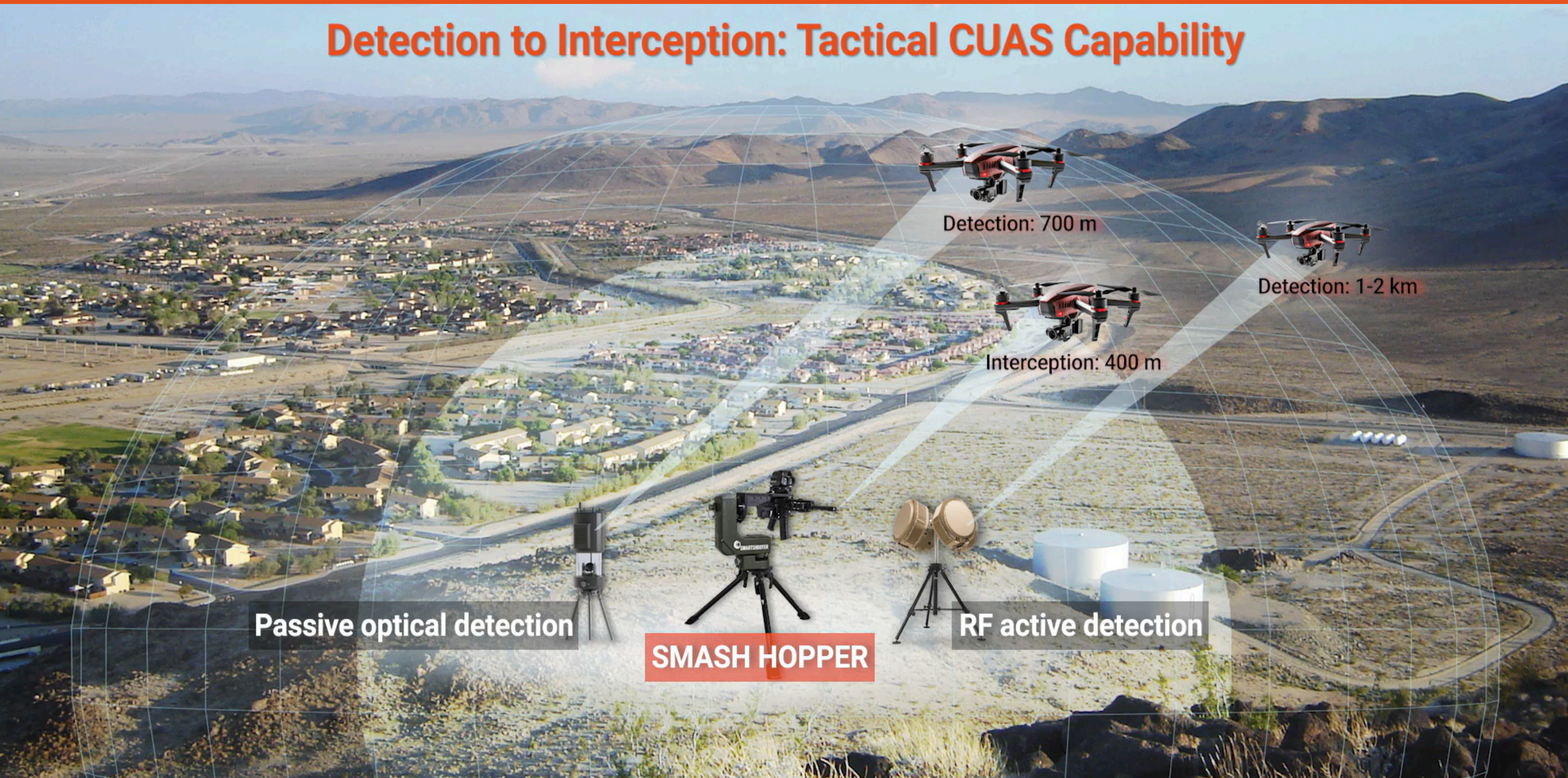
0-1km

1-2 km

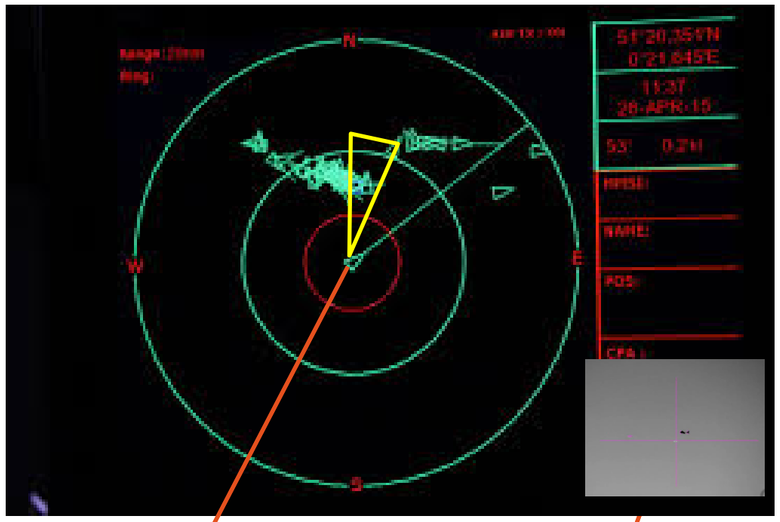
10 km

40 km

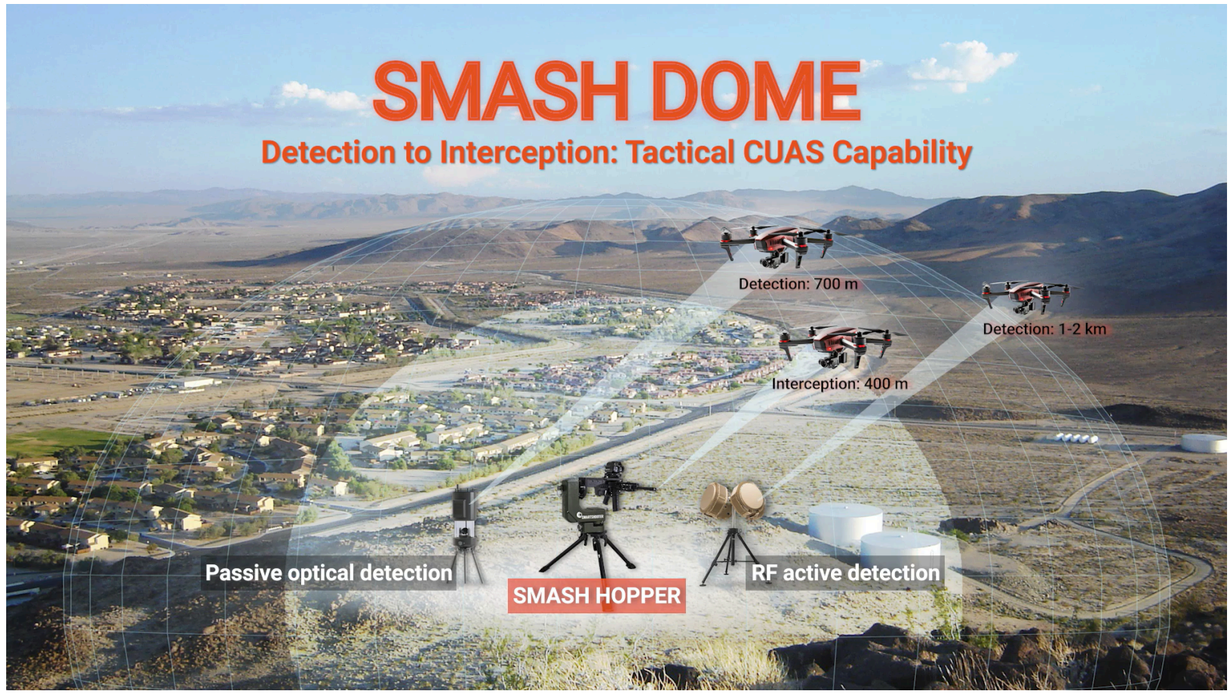
# SMASH DOME


Detection to Interception: Tactical CUAS Capability
Detection: 700 m
Detection: 1-2 km
Interception: 400 m
Passive optical detection
SMASH HOPPER
RF active detection

# SMASH DOME






2 Hoppers (5.56mm, 7.62mm)

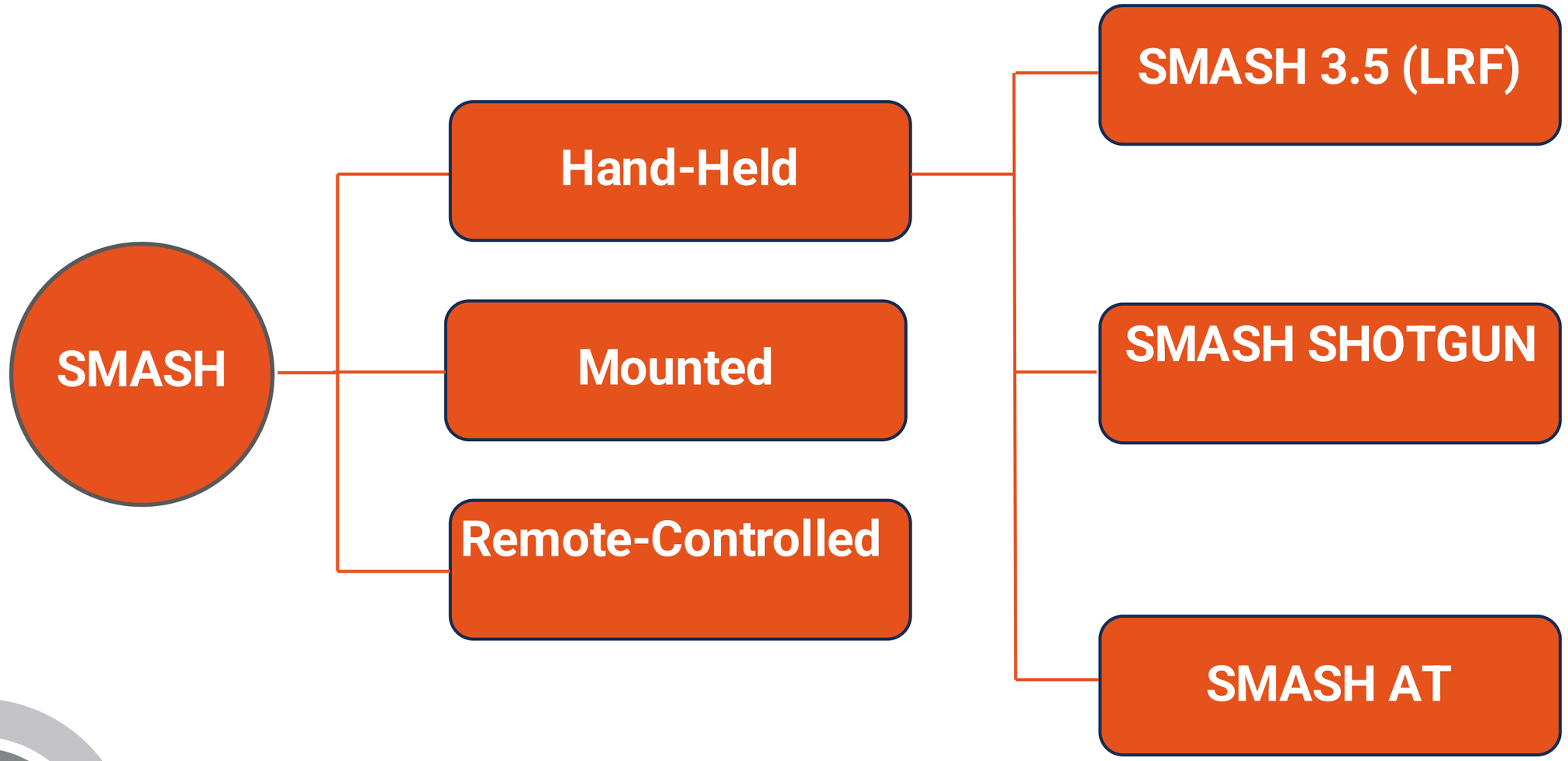
| Time | Detection systems | Range [m] | #Shots | #Hits |
|---|---|---|---|---|
| 9:34:00 | 3rd EYE | 138 | 1 | 4 |
| 9:38:00 | 3rd EYE | 138 | 3 | |
| 10:19:00 | RADA | 276 | 1 | |
| 10:23:00 | RADA | 276 | 2 | |

Capabilities @ IMOD Demo Day, Q4/2024

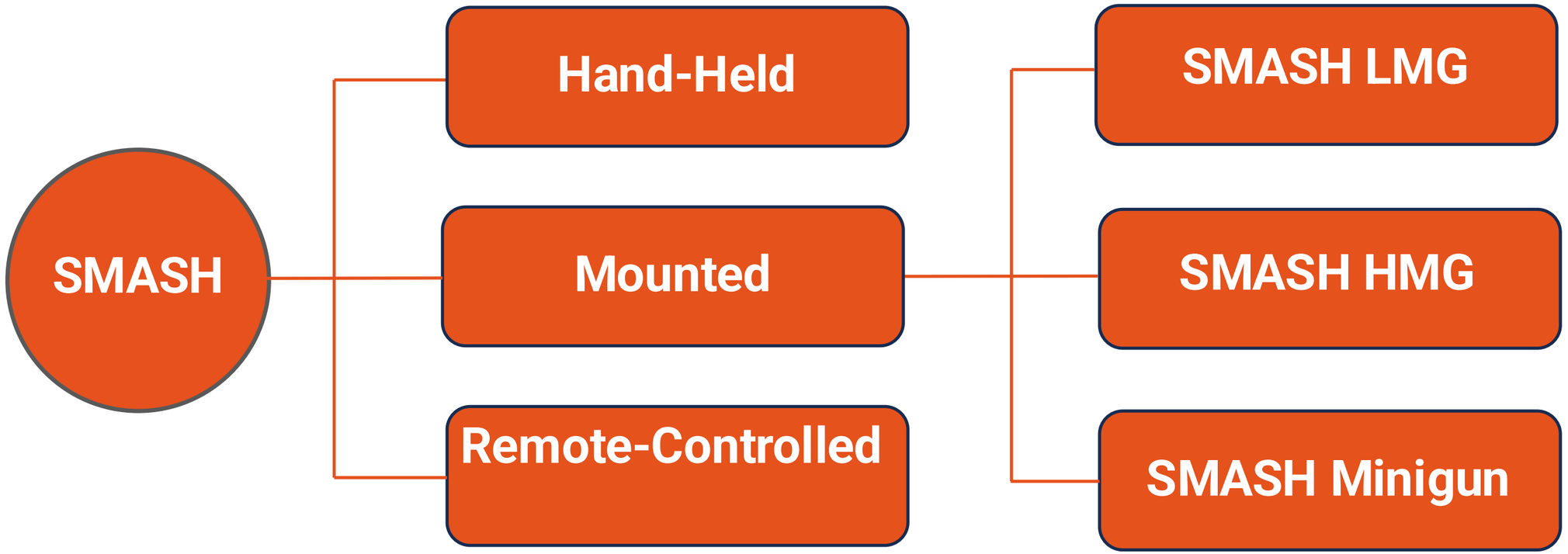
# CI AND BORDER PROTECTION



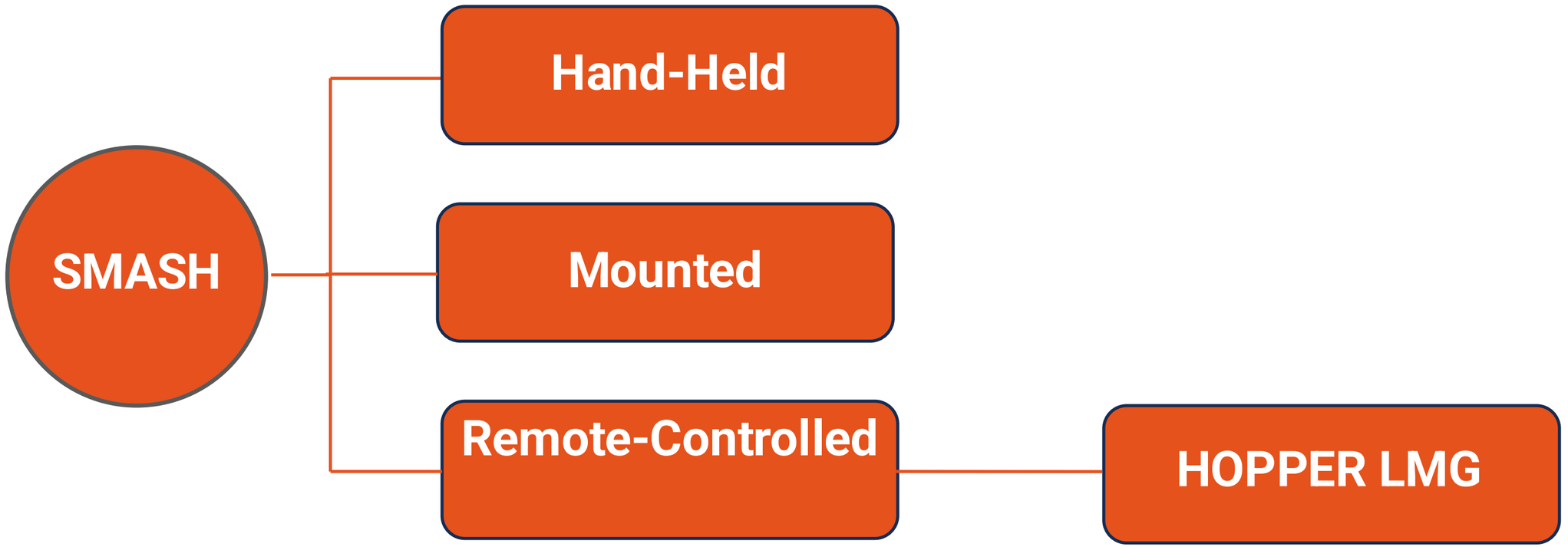
# FUTURE PRODUCT LINE



# FUTURE PRODUCT LINE



# FUTURE PRODUCT LINE



# SMART SHOOTER LTD



## Questions?

**Csaba Wiszler** | Area Sales Manager
csaba@smart-shooter.com