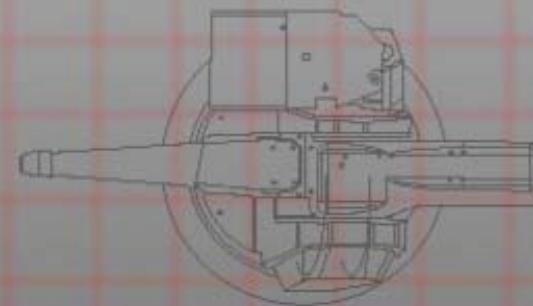
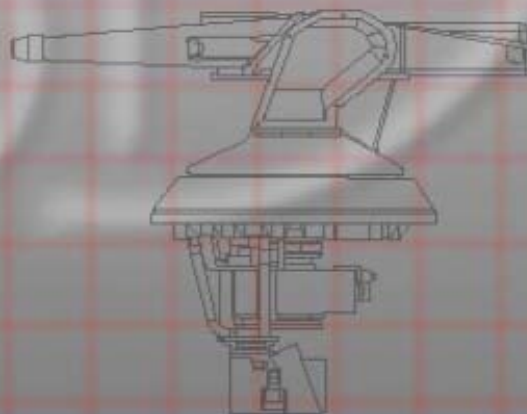
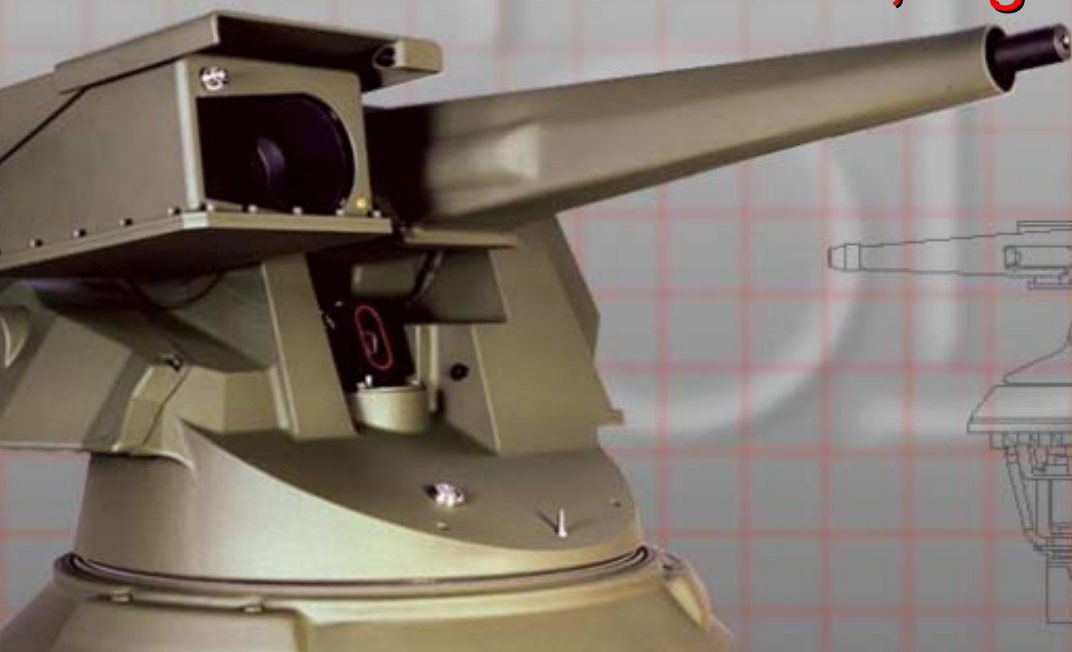


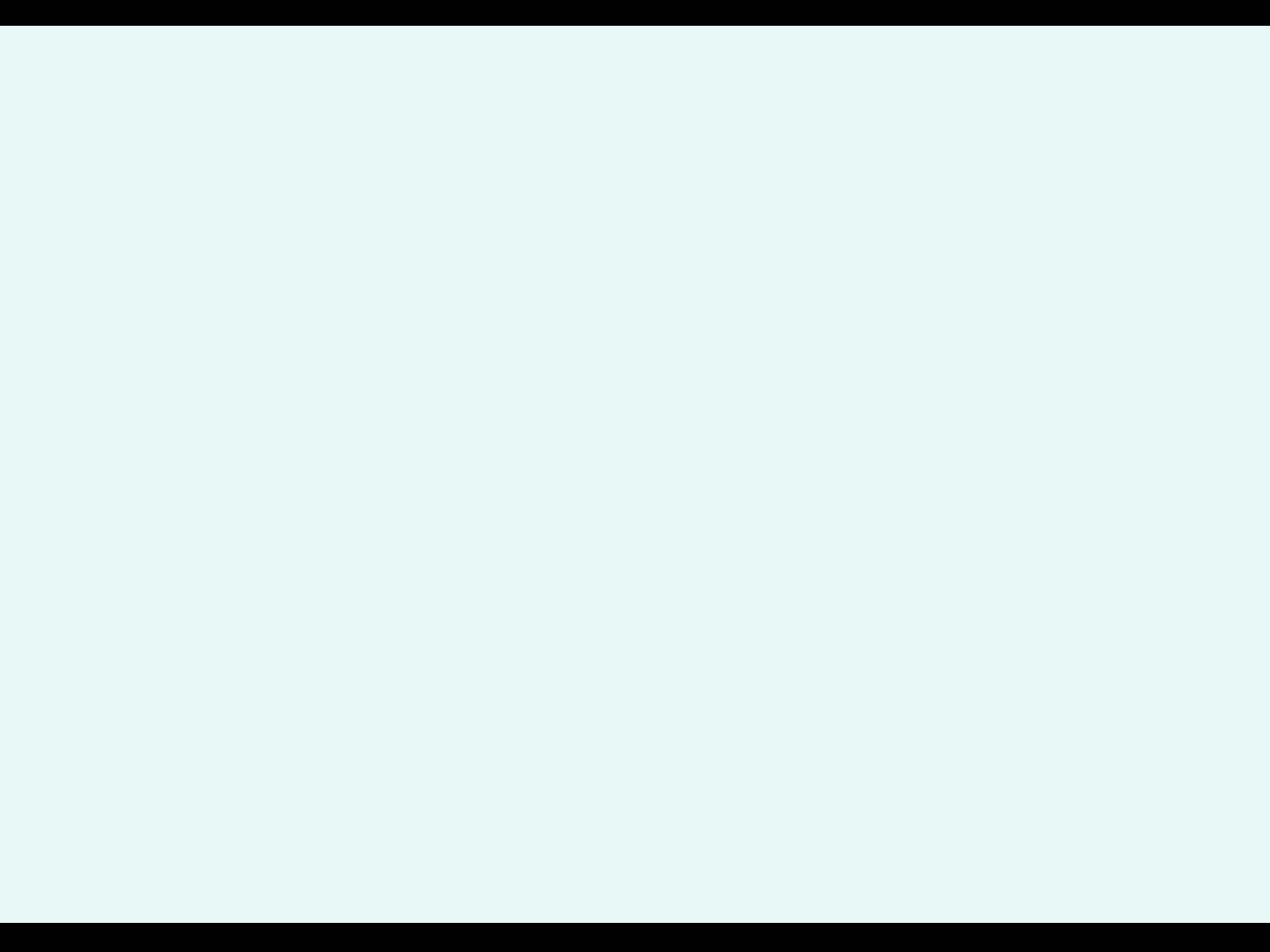
NDIA

International Infantry & Joint Services Small Arms Systems
Annual Symposium, Exhibition & Firing Demonstration

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The Oto Melara HITROLE® 7,62 – 12,7 – 40 mm
Remote Overhead, Light Electrical Turret



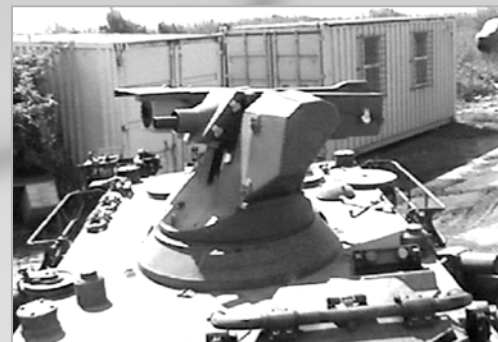


PRESENTATION

THE COMPANY



HITROLE[®] family 7.62 – 12.7 – 40mm



COMPANY

FINMECCANICA



AEROSPACE



ENERGY



DEFENCE



INFORMATION
TECHNOLOGY



TRANSPORTATION

Oto Melara, a company of Finmeccanica, operates within the Group in the field of armament for defence.

Revenues	8,6*
Portfolio of orders	22,3*
New Orders	9,1*
Employees	47,000

* Billion €

COMPANY

OTO PLANTS



BRESCIA

INCORPORATED:

OTO MELARA IBERICA
OTO MELARA NORTH AMERICA

VALENCIA – SPAGNA
WASHINGTON DC - USA

COMPANY

MAIN FIGURES

Turnover	345,00*
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R & D	7%
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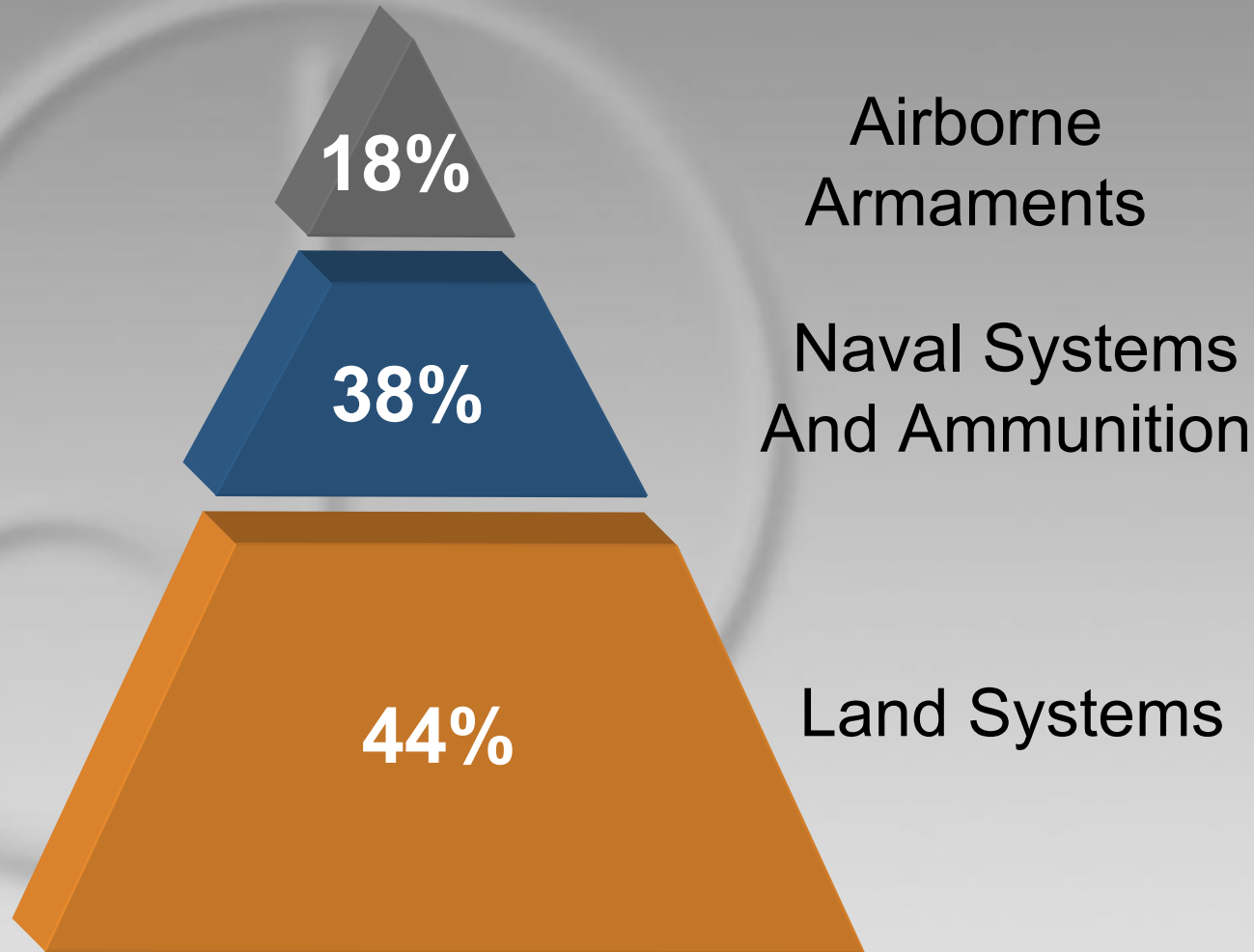
Portfolio of orders	1,172*
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Personnel	1,344
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* Million €

COMPANY

SALES SHARING



COMPANY

AIRBORNE ARMAMENTS



● **TM 197 B turret**

- **GBU-12D/B & 16H/B PW II**
- **JDAM systems**
- **Laser Guided Paveway**
GPS/Laser Guided Paveway



COMPANY

NAVAL STSTEMS



● 12.7 mm



● 25 mm



● 30 mm



● 40 mm



● 76/62 C



● 76/62 SR



● 127/54 C



● 127/54 LW

COMPANY

LAND SYSTEMS VEHICLES



● Ariete M.B.T.



● DARDO Family



● CENTAURO Family



● PIUMA Family

COMPANY

LAND SYSTEMS TURRETS



- **HITROLE®**
- 7.62 mm
- 12.7 mm
- 40 mm



- **HITFACT®**
- 105 mm
- 120 mm



- **HITFIST®**
- 25 mm
- 30 mm
- 60 mm

The Oto Melara range of Turret Weapon Systems fulfils the widest range of operative requirements of a very modern Army

from Light Armoured Vehicles

HITROLE[®] family



to medium weight IFVs

HITFIST[®] family



To heavy weight Combat Vehicles

HITFACT[®] family



PRESENTATION

THE COMPANY



HITROLE® family 7.62 – 12.7 – 40 mm





HITROLE[®]

12.7 mm



HITROLE® 12.7mm

ADVANCED REQUIREMENTS

- **Survivability** *Under Armor operated*
Remotely operated

- **Accuracy** *Stabilization*
Servo systems
IL TV, IR

- **Flexibility** *7,62mm; 12,7mm; 40mm*

- **Versatility** *Light Weight*
Interfaces
Basketless



HITROLE® 12.7mm

OPEN ARCHITECTURE



SIGHT



MG 12,7



IR TV



SGL



2nd CC



MMI

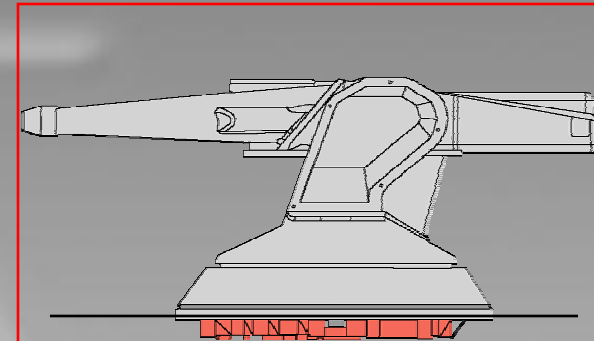
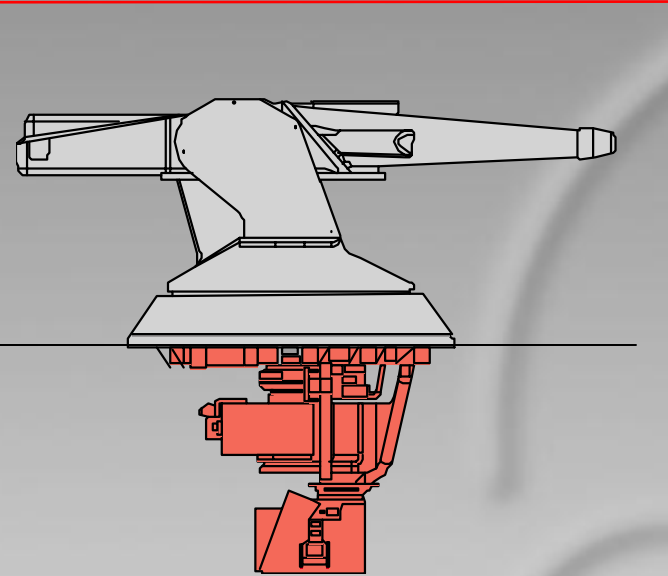


ETE



HITROLE® 12.7mm

SURVIVABILITY



From inside the vehicle

- Recocking
- Reloading
- Observation
- Aiming
- Firing

HITROLE® 12.7mm**ACCURACY**

- **Operator stationary**
- **1x 3x channels day optic**
- **Night Vision System
(IL TV, IR Option)**
- **Gun vs. Vehicle designation**

- **Electric Servos & Stabil.**
- **Elevation -13 +50°**
- **Training nX360°**
- **Internal Target Designat
(option)**



HITROLE® 12.7mm

EFFECTIVENESS

- ❖ Reloading time < 1min
- ❖ Servo performance :
 - Training - speed $60^\circ/\text{s}$
- accel. $50^\circ/\text{s}^2$
 - Elevation - speed $25^\circ/\text{s}$
- accel. $50^\circ/\text{s}^2$
- ❖ Autonomous Stabilization with built-in gyros
- ❖ Digital Servos
- ❖ Brush less Motors
- ❖ CAN-BUS link



HITROLE® 12.7mm

WEAPONS

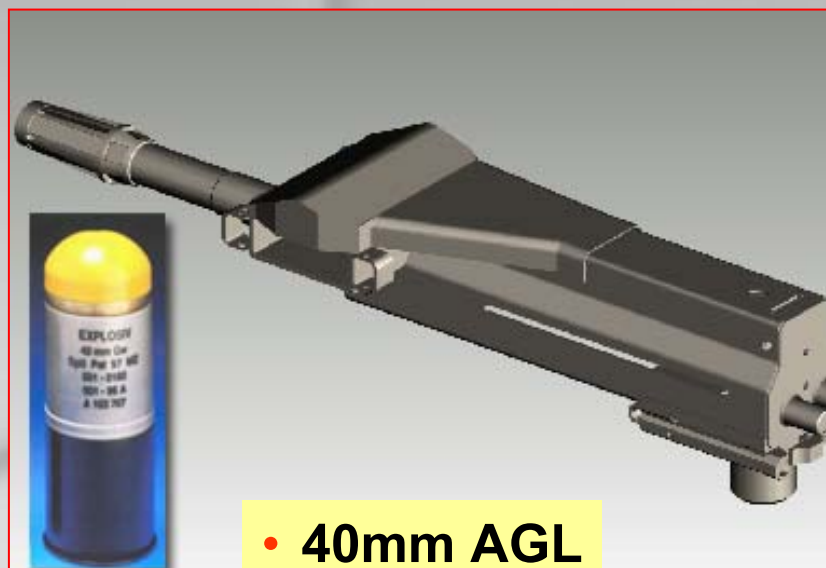
**GUN 12,7 mm MG (FN Herstal, others)
or
7,62 mm MG**

alternatively

AGL 40 mm (MK 19 GD, others)



• 12.7mm cannon



• 40mm AGL

Easy weapon change on the field

HITROLE® Configuration

Options



LAND SYSTEM

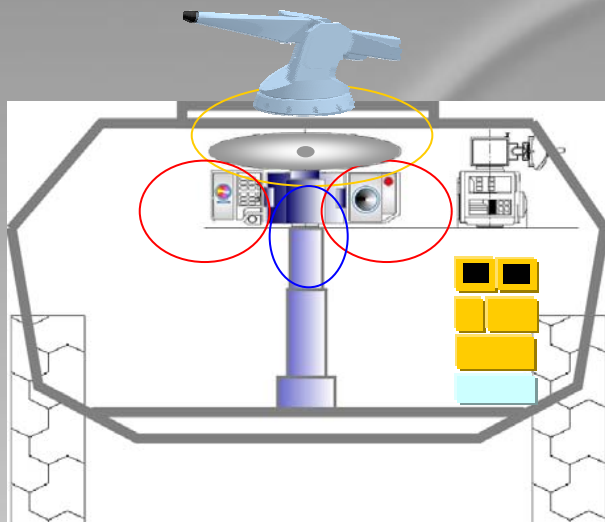
NAVAL SYSTEM



LAND SYSTEM

HITROLE® 12.7mm

GROWTH POTENTIAL



RSTA + HITROLE

On board & on ground composition of sensors

- ❖ **Stabilised & mast platform**
- ❖ **Set of Sensors**
- ❖ **Sensors elaborator**
- ❖ **Remote Command & Control**

❖ **Radar TMI** (Target Moving Indicator)

❖ **Platform**

❖ **Optics**

❖ **IR**

❖ **Laser**

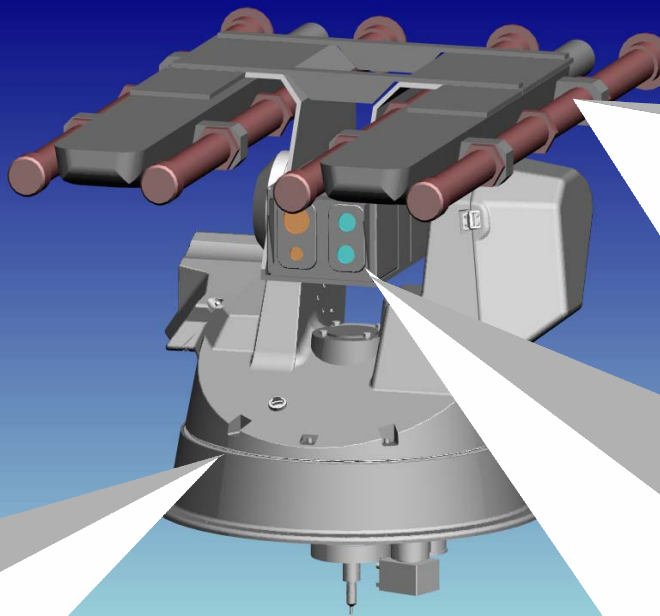


HITROLE® 12.7mm

GROWTH POTENTIAL



Remote command & control



Stinger



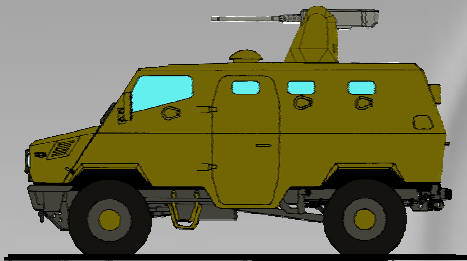
HITROLE® Turret



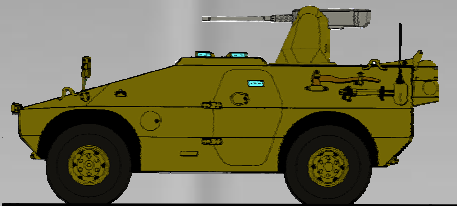
Optical sensors

HITROLE® 12.7mm

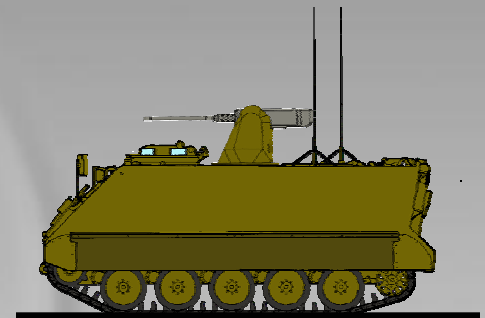
ROLES



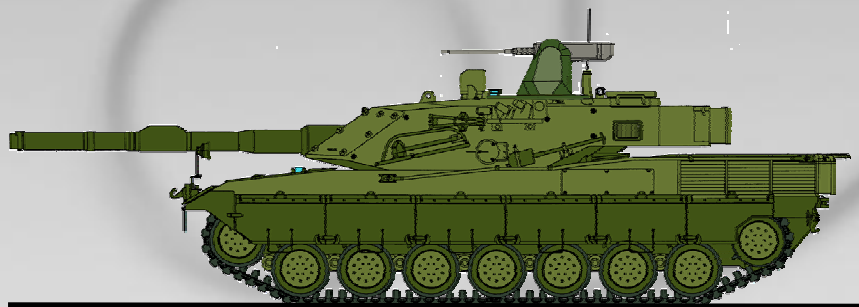
Logistic



Recce Scout



A P C



M B T

HITROLE® 12.7mm

PUMA 6x6



HITROLE® 12.7mm

HMMWV



HITROLE® 12.7mm

M113



HITROLE® 12.7mm

AMV PATRIA



A Secure profile



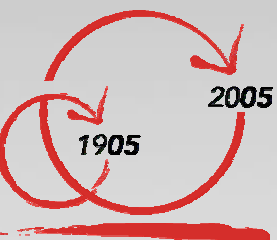
Defence is our History

Leadership is our Goal

Customers are our Strength

The Marketplace is our Challenge

Oto Melara. A new look, the usual and expected excellence





FINMECCANICA