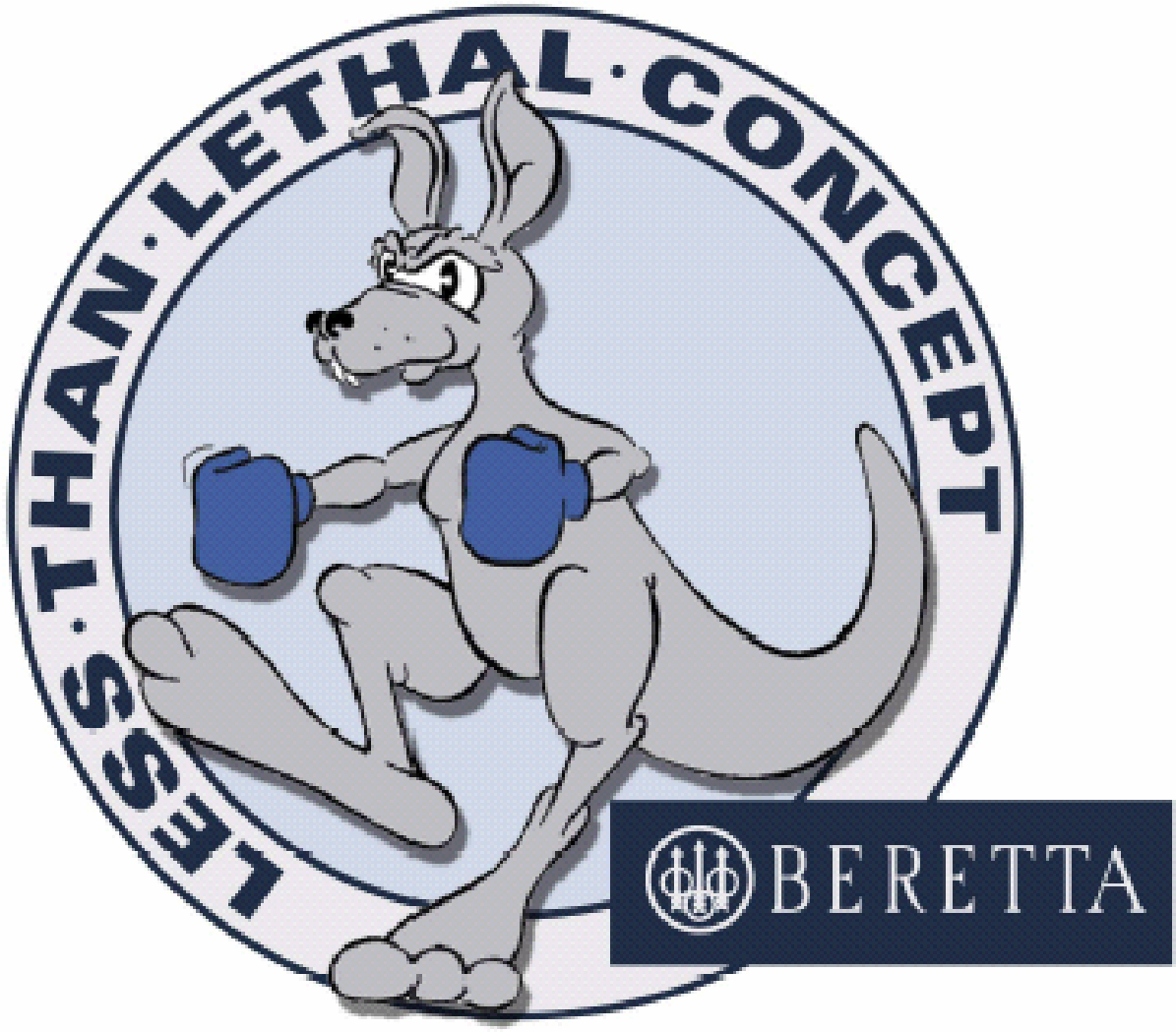

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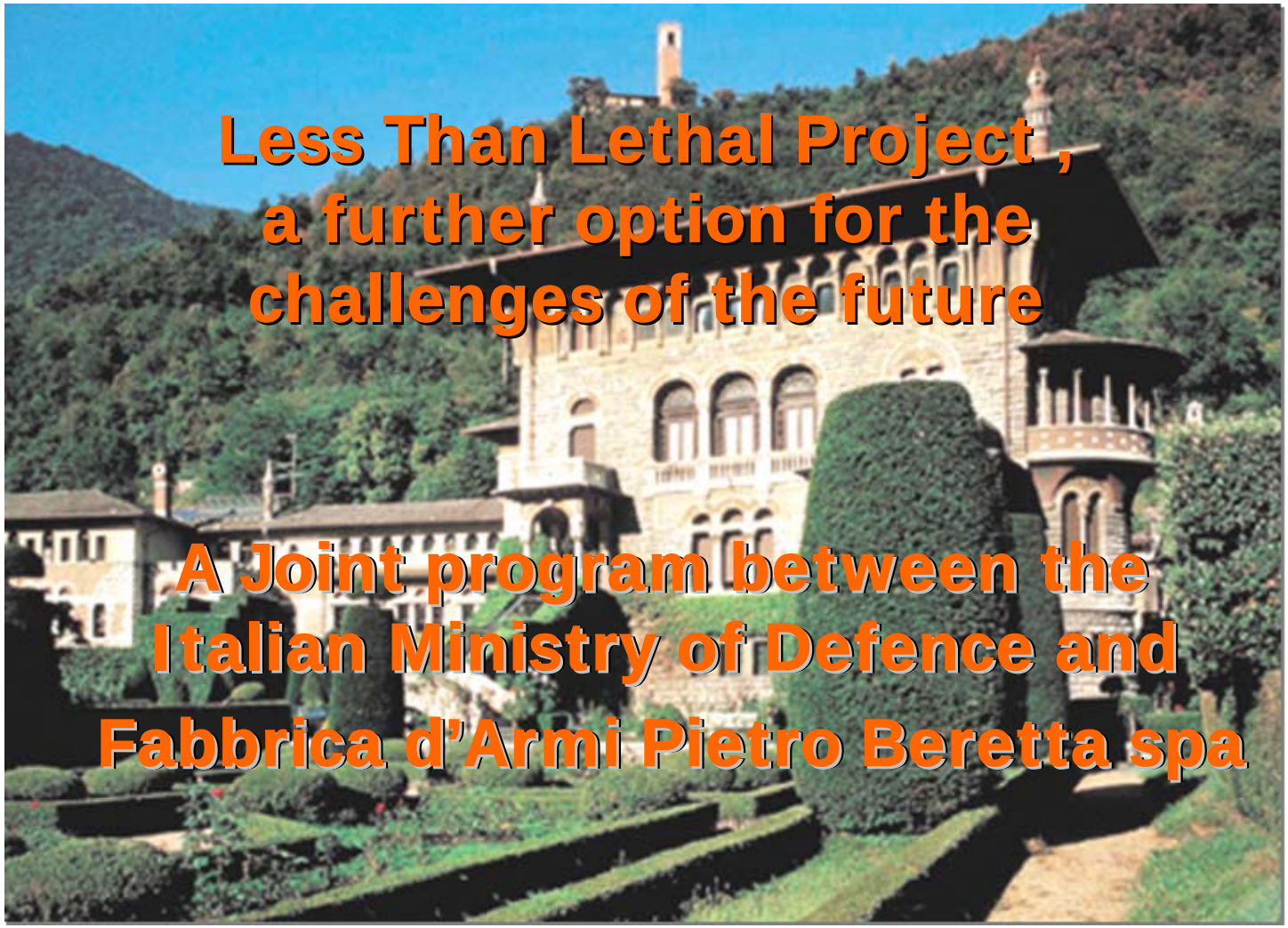
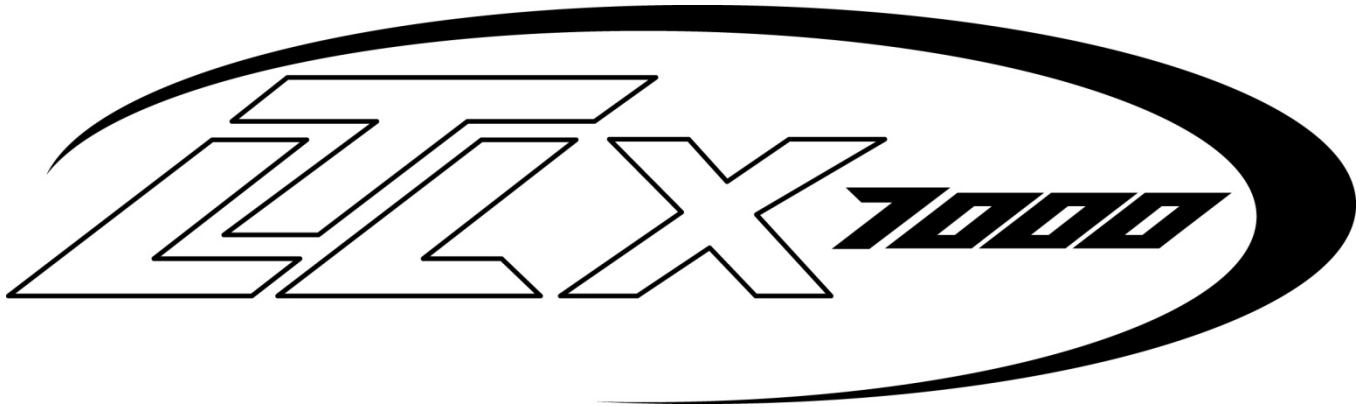

Less Than Lethal Project ,
a further option for the
challenges of the future
A Joint program between the
Italian Ministry of Defence and
Fabbrica d'Armi Pietro Beretta spa

BERETTA



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- Beretta in the “ Less than Lethal program “
- Our targets
- Technological Demonstrator
- Human Engineering e Integration

Beretta in the Program “Less Than Lethal “

- The Italian Ministry of Defence launched in 2001 a R&D program called “ **Less Than Lethal** “ to complete its effort of enhancing the combat capability in peace keeping and international police operations within the innovative program “ ***Soldier of the Future*** “ .
- December 2002. A contract was signed between Beretta and Italian M.O.D. for the development of a technological demonstrator of a Less Than Lethal weapon system.
- April 2006 : The first three technological demonstrators have been successfully tested and accepted by the Italian Army .
- 2007 : user trials to be carried out for doctrine assessment of use of LTL weapon system .
- 2008: Limited fielding of the system within the IMOD

Technological Demonstrator

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- **A more ergonomic design study which includes a collapsable/ foldable stock is foreseen for the production runs**

The sub systems

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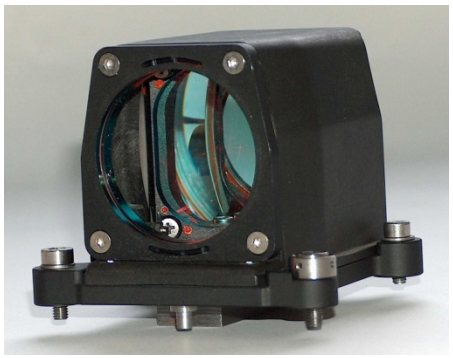
launcher



Sigth / Range finder

Ammunition

Our targets

To develop a technological concept which will include a launcher , a dedicated ammunition and optical sight for a less than lethal weapon system to demonstrate the possibility to deliver the same kinetic energy within a range from **15 meters** (49.3 ft) up to **70 meters (**230 ft **)** :

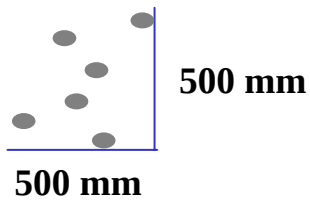
- Ergonomics (similar to a traditional shotgun)
- Blunt trauma analysis (for effective less than lethal capability)
- **Constant Kinetic Energy principle using traditional propellant ammunition**
- Basic and cost effective range estimation system.

External ballistics

Accuracy :

39.3” 230ft

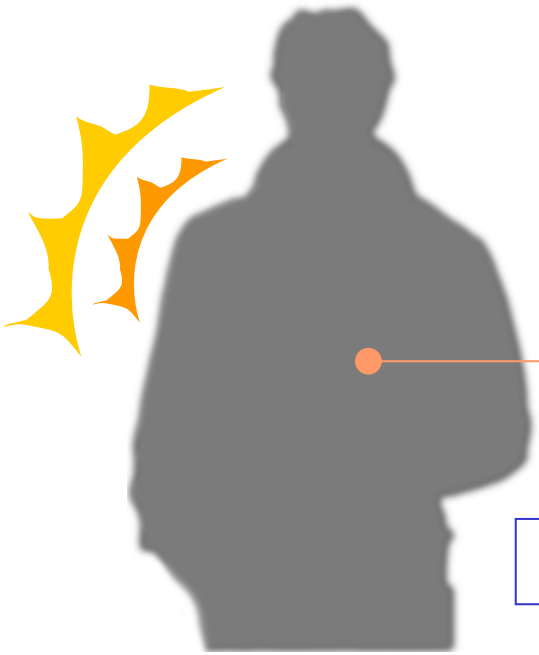
Target **H+L= 1000 mm (at 70 meters)**



230 ft 49.3 ft

70 mt **15** mt **0**

Terminal ballistics, blunt trauma analysis



Max E less than 60 ÷ 80 J

Constant Kinetic Energy principle

HDSSP projectile

High Deformation Spin Stabilized Projectile

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Range estimation

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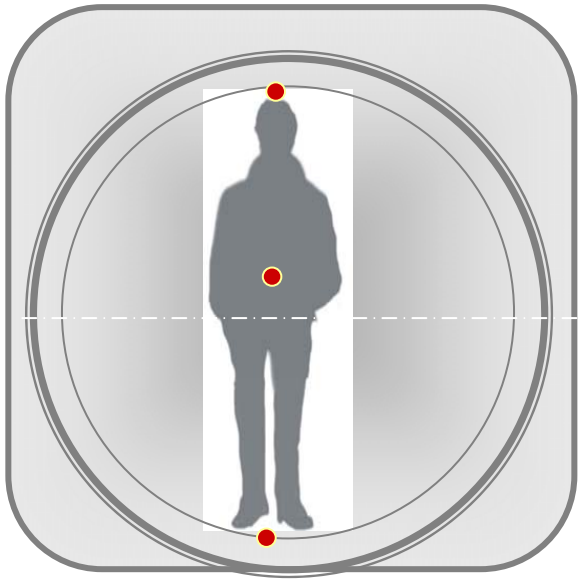
49.3 ft

15 meters



70 meters

230 ft

Constant Kinetic Energy principle