



OTO MELARA

A Finmeccanica Company

Naval Systems

Under
Development

127mm



"VULCANO" System 127mm EXTENDED AMMUNITION FAMILY

VULCANO is a family of Extended Range (ER) unguided ammunition and Long Range (LR) guided ammunition for the 127mm naval guns and 155mm land artillery system.

Within the range of 127 mm calibre, VULCANO ammunition is conceived to meet any present and future requirement for Naval Fire Support and long range engagement of Surface Target.

Anti-air role is also available.

VULCANO is a new and emerging technology based upon a fin stabilized airframe with canard control for terminal guidance; mechanical interfaces are same than standard 127mm ammunition.

Various configurations for VULCANO projectiles are available for 127 mm naval guns:

- unguided extended range multirole ammunition with multifunctional programmable proximity fuze;
- guided long range ammunition with IR seeker for anti-ship actions;
- autonomous IMU / GPS guided ammunition for long range shore bombardment.

All the equipment required to operate VULCANO

ammunition is integrated into the 127 mm LW Control Console and no mechanical modification to the 127 mm gun is required nor reduction of barrel life is involved.

VULCANO is fully compatible with in-service 127mm naval guns by providing a module which is acting twofold:

- Programmer for ammunition's fuse and guidance system;
- Mission Planning and Execution for Naval Fire Support stand alone or in interaction with ship's Network Centric Systems (firing solutions, selection of ammunition, definition of trajectories and firing sequences, ballistic computations etc.).