

Iron Dome™

Multi-Mission Counter Rocket, Artillery and Mortar (C-RAM), Very Short Range Air Defense (V-SHORAD) Point Defense and Naval Air Defense System



Shield the skies from rockets and airborne threats, now and tomorrow

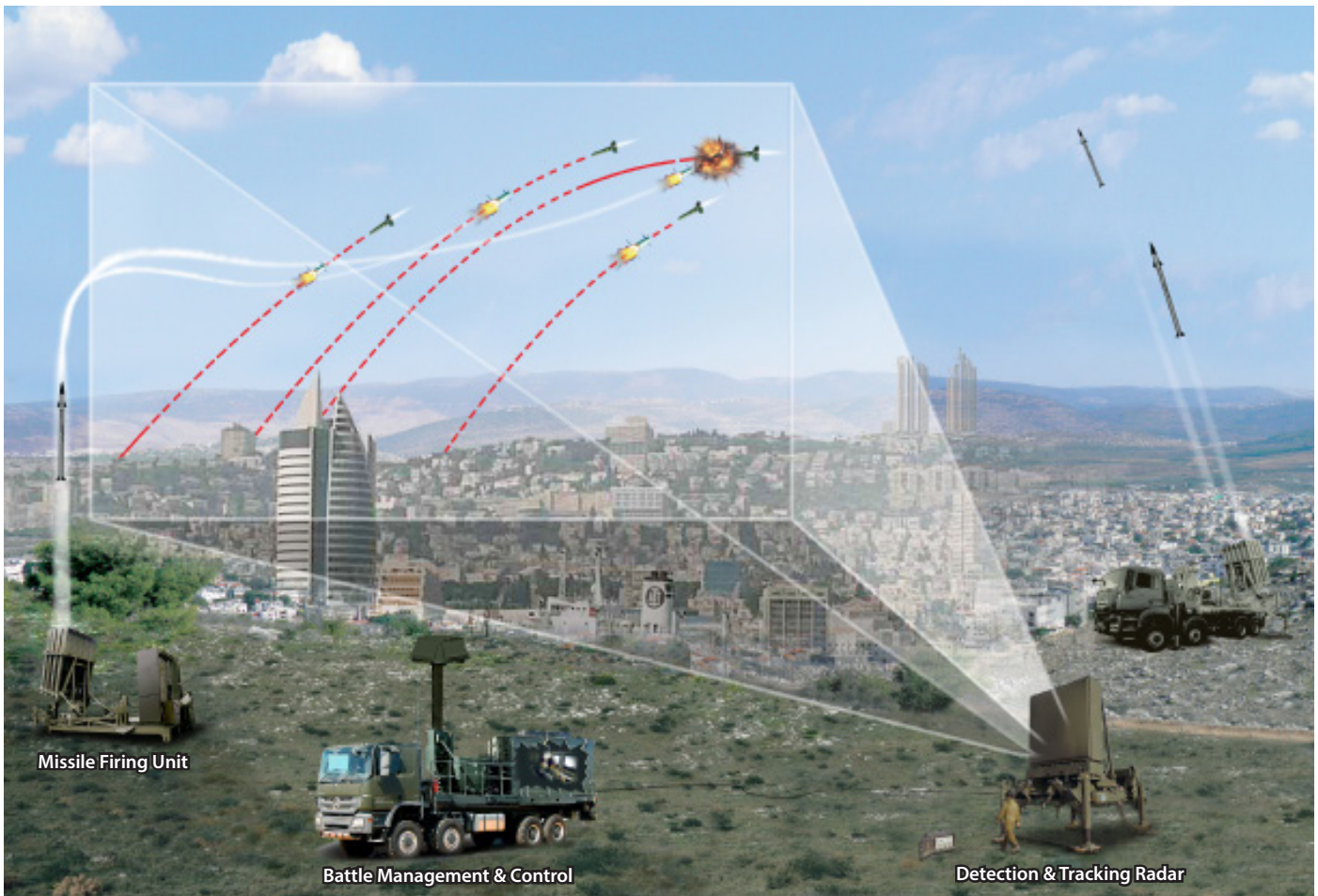
Benefits

- Combat proven with over 2,000 interceptions
- Over 90% mission success rate
- Multi-Mission system based on common building blocks
- Protects population, strategic and assets reduces collateral damage
- Multi-Mission system that protects against a broad spectrum of for land and sea application
- Proven effective against concentrated salvos and challenging scenarios
- Adaptable to a rapidly evolving threat set
- Day/night and all weather operation
- Effective threat discrimination
- Proven low cost

Iron Dome System

Iron Dome is the only multi-mission system in the world that provides a combat-proven defense solution for countering rockets, artillery & mortars (C-RAM) and PGMs (VSHORAD) for land and sea. Iron Dome is an effective system for countering C-RAM threats and for NG VSHORAD protection. The system operates day and night and in all weather conditions, including low clouds, rain, dust storms or fog. Iron Dome protects cities, towns & strategic assets, maneuvering forces, as well as ships. Iron Dome can handle multiple threats simultaneously and efficiently.

Iron Dome is economical, as it enables effective selective handling of critical threats aimed at a pre-defined defended zone thus reducing unnecessary interceptor launches. The system uses a unique interceptor with a special warhead that detonates the target warhead in the air. If the estimated trajectory of the airborne threat is headed towards the defended zone, a command is given and an interceptor is launched against the threat. Iron Dome is highly mobile, and can be configured to defend an urban area, a Forward Operating Base (FOB), or troops on the move. Iron Dome can be integrated onto most Off-The-Shelf vehicles, and is roll-on-roll-off transportable on most transport aircraft.



Combat Proven Solution

Iron Dome is in-service by the Israeli Air Force since 2011 and successfully intercepted over 2,000 rockets. Iron Dome has achieved over 90% success rate. The system has saved lives and prevented damage to property.

C-Dome

C-Dome is based on the Iron Dome system. It protects ships and other sea-based strategic assets from modern naval threats. C-Dome uses the Iron Dome interceptor, a vertical launcher, components from the Iron Dome Battle Management Center, and the ship's own surveillance radar. C-Dome provides simultaneous multiple targets engagement capability with unrestricted 360° azimuth coverage. C-Dome offers unparalleled firepower in a compact volume at low cost.



Missile Firing Unit

Features

- Vertically-launched interceptor
- Highly accurate and effective warhead and proximity fuse
- Static or mobile launcher
- Exceptionally low-cost
- Integration with multiple radar and detection systems



Detection & Tracking Radar

RAFAEL 
ADVANCED DEFENSE SYSTEMS LTD.

Air & Missile Defense Systems Division

Tel. (972)73-3367990, Fax (972)73-3367989

E-mail: airsuper_mkt@rafael.co.il

HQ Tel: (972) 73-3354714 Fax: (972) 73-3354657

E-mail: int-mkt@rafael.co.il www.rafael.co.il