

Iron Dome™

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



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

Benefits

- Cost effective solution
- Day/night and all weather operation
- Successful handling of simultaneous firing (concentrated salvos) of a large number of threats
- Effective discrimination and handling of threats
- Very high percent success rate in intercepting incoming shells and rockets
- Reduced collateral damage to the protected area

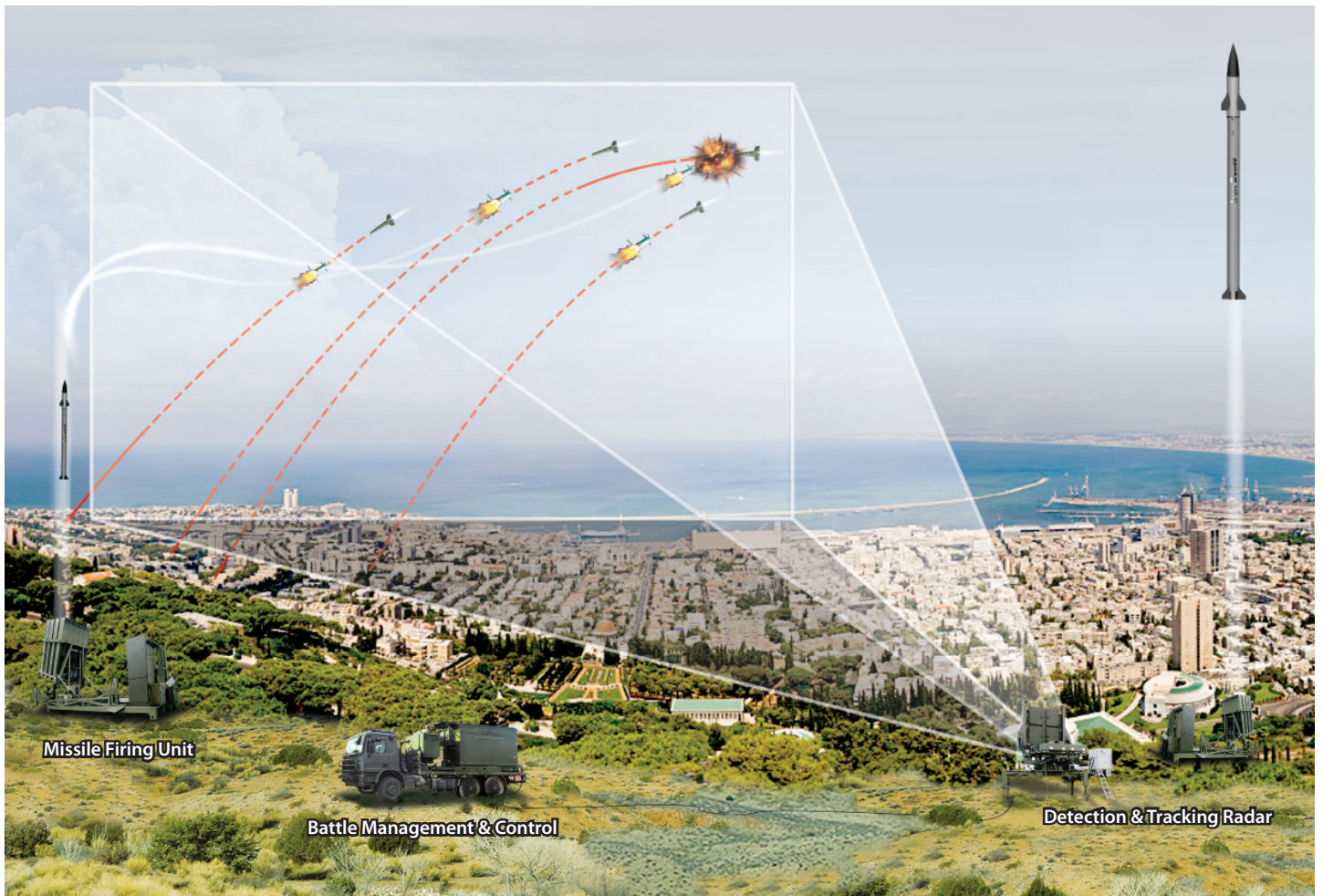
Iron Dome System

The Iron Dome is the only dual mission system in the world that provides an effective defense solution for countering rockets, artillery & mortars (C-RAM) as well as aircraft, helicopters, UAVs, PGMs. The system is an effective system for countering C-RAM threats with ranges of up to 70 km and for VSHORAD protection (up to 10 km). The system operates in all weather conditions, including low clouds, rain, dust storms or fog.

Iron Dome can handle multiple threats simultaneously and efficiently. The system enables effective and selective handling of critical threats aimed at the defended zone to reduce unnecessary launches. The system uses a unique interceptor with a special warhead that detonates any target in the air within seconds.

If the estimated rocket trajectory poses a critical threat, a command is given within seconds and an interceptor is launched against the threat.

The interceptor receives trajectory updates from the BMC via uplink communication. The interceptor approaches the target and uses its radar seeker to acquire the target and guides the interceptor within passing distance. The target warhead is detonated over a neutral area, therefore reducing collateral damage to the protected area.



Cost-Effective Air Defense Solution

The Iron dome is a cost effective system that can handle multiple threats simultaneously and efficiently.

The Iron Dome system has been selected by the Israeli Defense Ministry as the best system offering the most comprehensive defense solution against a wide range of threats in a relatively short development cycle and at low cost.



Missile Firing Unit



Battle Management & Control

Features

- Vertically launched interceptor
- Highly effective warhead and proximity fuse
- Mobile launcher
- Integration with various radar and detection systems.



Detection & Tracking Radar



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