



RAFAEL Advanced Defense Systems Ltd.



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RAFAEL Advanced Defense Systems Ltd. develops and produces state-of-the-art armaments for the Israel Defense Forces (IDF) and Israel's defense system and for the international market.

The company provides innovative solutions on the technological cutting edge from underwater, naval, land and air through space systems.

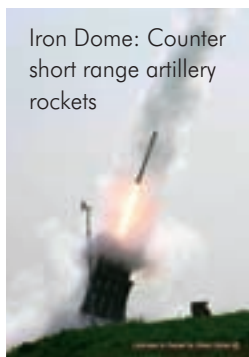
The company has also formed partnerships with civilian counterparts to develop commercial applications based on its proprietary technologies.

RAFAEL is the second largest government owned Defense Company in Israel and in 2011 sales amounted to 1979M\$ with a backlog of orders worth 3465M\$, At the end of 2011, the company made a profit of 111M\$.

Missiles and NCW Division: This division designs, develops and manufactures a variety of guided missile systems, including air-to air, air-to-surface, anti-tank missiles and air defense systems, as well as electro-optic systems for target acquisition, laser designation and reconnaissance purposes and C4I systems for net-centric warfare. The division's key products include: David's Sling – Air defense system for medium range joint project in cooperation with Raytheon, Iron Dome – an effective and innovative mobile defense solution for countering short and medium range rockets. The Python and Derby air-to-air missiles, the Spyder air defense system, the Spice air-to-surface missile systems, the Spike family of electro-optic multi-purpose missile systems, as well as the Litening and Toplite navigation and targeting pods, the Reccelite real-time reconnaissance pod and the Spotlight electro-optic small arms detection system.

Ordnance and Protection Division: This division develops and produces systems for land combat forces and underwater defense including: active, reactive and passive protection systems for land combat vehicles, remote controlled weapon stations, naval and land acoustic systems, anti-torpedo warfare, as well as laser and high-powered, microwave-based, energy-directed weapons. In addition, the division also specializes in security applications. The division's key products include: the Trophy active protection system, advanced armor Solutions, the Samson family of remote weapon stations, the Carpet mine breaching and counter-IED system, as well as the Hard Kill Torpedo Defense Torbuster. In addition, the division also produces and supplies the Protector USV.

Manor – Advanced Defense Technologies Division: This division develops rocket motors and space propulsion systems, warheads and pyrotechnic subsystems, stand-off breaching systems and naval decoys. The division's key products include: propulsion systems that are a part of the Israeli OFEQ and EROS satellites, as well as the French Myriade and Proteus satellites and the Hetz anti-ballistic missile. In addition, the Manor Division develops and supplies the Simon door breaching munition as well as the Matador family of shoulder launched breaching products, especially suited to urban warfare.



Iron Dome: Counter short range artillery rockets



Matador AS (Mauler): Shoulder launched anti-structure munition



SAMSON 30MKII – New RWS with under armor reloading



Protector: Unmanned Surface Vehicle