

## ROCKS™

### Autonomous Extended Stand-Off Range Air-to-Surface Missile



#### Benefits

- Extended stand-off range
- Pinpoint accuracy
- Selectable horizontal and vertical trajectories
- Day, night, all-weather
- Minimal attrition
- Insensitive to communication and GPS jamming
- Overcomes Target Location Error

ROCKS is a new generation extended stand-off range air-to-surface missile designed to strike high-value stationary and relocatable targets in a GPS-denied arena.

Equipped with either a penetration or blast fragmentation warhead, the missile can destroy above-ground or well protected underground targets in heavily surface-to-air defended areas.

#### Operational Scenario

The pilot allocates a mission for the missile before release. The mission includes target coordinates, impact angle and azimuth, topographic imagery data, and fuse delays.

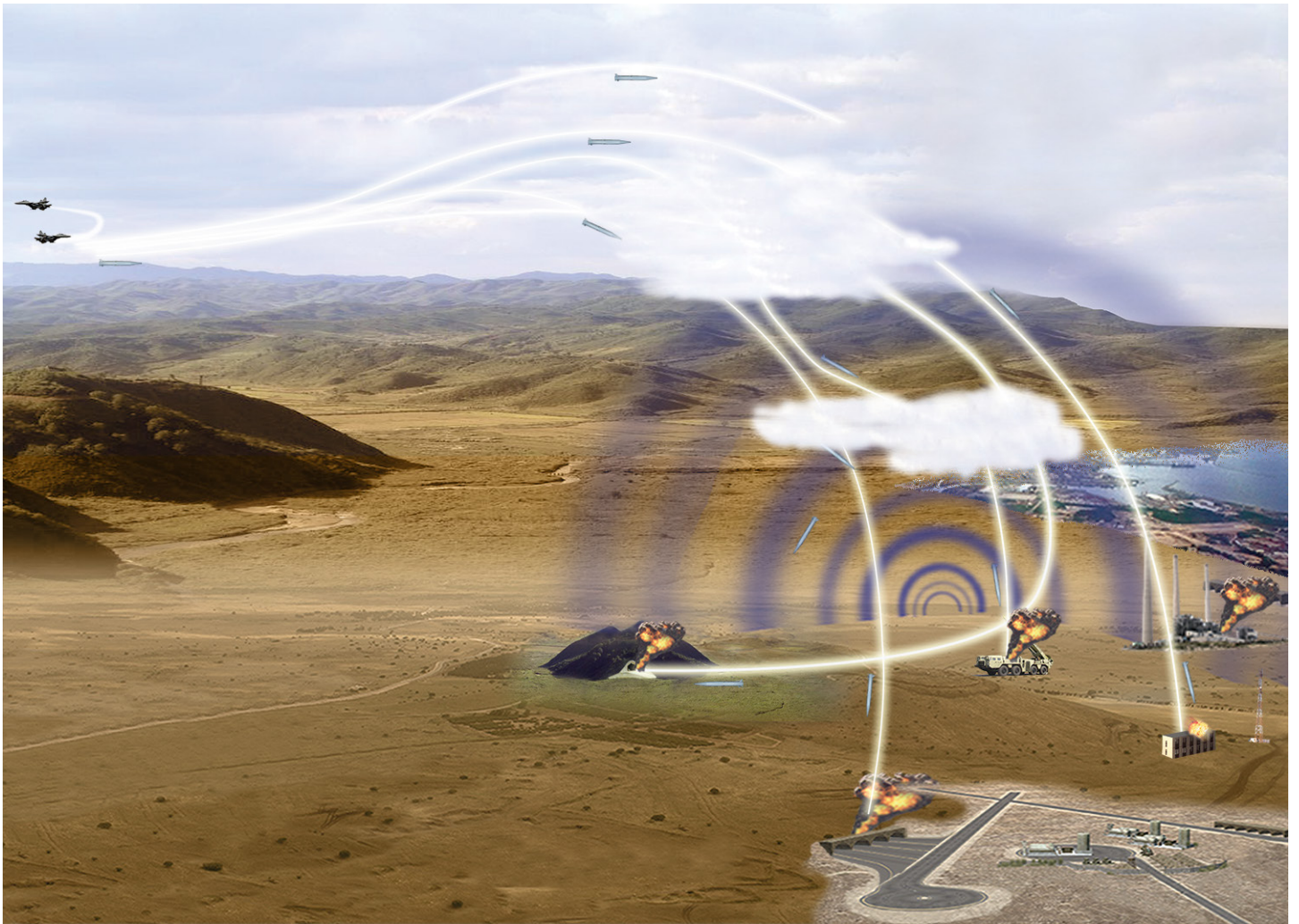
ROCKS is released well outside of the surface-to-air defended area, and performs a high-velocity trajectory to minimize attrition of

both launching aircraft and missile, providing high target kill success.

The missile uses its INS/GPS for conducting its midcourse trajectory. Homing, up to target destruction, is performed by using its scene-matching technology or Anti-Radiation capability, overcoming any GPS jamming scenario.

#### ROCKS Heritage

The missile incorporates RAFAEL'S advanced technologies inherited from the legacy Popeye and SPICE combat-proven air-to-surface weapons.



### Guidance and Target Acquisition

ROCKS has day, night, and all-weather capabilities, based on its advanced electro-optical seeker. The Automatic Target Acquisition algorithm, with its unique scene-matching and Anti-Radiation technologies, overcomes GPS

jamming, navigation, and Target Location Errors.

### Features

- Autonomous operation
- Tactical trajectory flexibility
- Simple mission planning
- Anti-Radiation homing for Time Critical Targets
- GPS for targets of opportunity

### ROCKS Specifications

CEP	3 meters
Warhead	Penetration or Blast Fragmentation
Fuse	Preset and Cockpit-Selectable
Navigation	INS/GPS

**RAFAEL**   
ADVANCED DEFENSE SYSTEMS LTD.

**Air and C<sup>4</sup>ISR Systems Division**

Tel: (972)73-336-8503 Fax: (972)73-336-6257

E-mail: c4isr\_mkt@rafael.co.il

**HQ** Tel: (972)73-335-4174 Fax: (972)73-335-4657

E-mail: intl-mkt@rafael.co.il [www.rafael.co.il](http://www.rafael.co.il)