

[Capabilities Statement](#). Rafael Advanced Defense Systems (RADS) is a renowned leader in the design, development and manufacturing of cutting-edge tunnel detection technology. We are one of Israel's largest defense enterprises with a robust financial portfolio of global customers leveraging our combat proven Advanced Defense Systems and Homeland Security products, solutions and services. Our innovative scanning approach for tunnel detection provides a precise capability, level of agility, and degree of reliability that is currently being employed successfully and can be further discussed in a classified setting.

Rafael Systems Global Sustainment (RSGS), as a U.S. subsidiary of RADS, offers proven tunnel detection solutions and services within the United States. RSGS point-of-need mission support teams, guided by intelligence gathering operations, are capable of persistent detection and monitoring of underground terrain. RSGS offers the facilitation of cost effective, discrete and highly focused operational events. These solutions and services are performed by qualified experts in direct support of scanning operations to include conducting post-scan analysis. Near real-time information feedback for post-operations exploitation is furnished to partner agencies following detection.

As an option to point-of-need mission support teams, RSGS provides equipment, software updates, periodic operator training, maintenance and sustainment plans, and continuous collaboration on technical findings to enable system self-employment by partner agencies. RSGS understands, respects, and supports the flexibility required to employ our systems without dependencies on external assistance.

Rafael's SISDOME border security suite provides a proven, flexible array of systems that enable security forces to accurately locate, analyze and counteract threats, while maintaining force safety during the performance of the mission of border protection. It includes real time multi-sensor data collection, analysis & integration, 24/7 monitoring and intrusion prevention, provides valuable time for decision makers to analyze and react effectively, and offers a flexible border security solution and C2 suite to match customer requirements and resources. Rafael has pioneered a powerful "rules engine" and interactive standard operating procedure (SOP) that reflects years of operational experience with the integration of new and legacy systems. Rafael also offers anti-drone technologies with its DRONE DOME anti-UAS systems.

DRONE DOME provides a complete and comprehensive solution with a goal of enforcing effective UAV No-Fly zones. DRONE DOME is capable of identifying unknown targets, generating alerts (based on an adaptable rules generator), and operating without causing interference to non-target airborne assets by utilizing specific jammer bandwidth and an advanced directional antenna. This is a significant asset of the DRONE DOME system when operating in highly congested airspaces (civilian or military). DRONE DOME is a modular system and can be used as a stationary or mobile configuration, as well as customized per customer's request.

RSGS currently facilitates direct collaboration with customers supporting the application of the latest technology updates through the existing government to government (G2G) agreements between the Israeli Ministry of Defense (IMOD) and participating agencies of the U.S. Government.