

Cutting RF Fault-Finding Time in US Munitions Production



RF fault-finding is a major hidden bottleneck in missile, communications, and navigation production. RadGreen detects these hardware and human errors in real time, unlocking up to 15% hidden capacity—a field-proven capability already deployed on live programs with major defence primes like RAFAEL, Elbit, and IAI. Here's how RadGreen's RF monitoring solution directly addresses this challenge, providing a timely, high-value solution for defense contractors who need speed today.

With the Pentagon recently issuing a strict 21-day deadline for US defence contractors to accelerate production, manufacturers are under immense pressure to find immediate throughput gains across their lines.

(See Washington Post — [Pentagon presses defense firms to build weapons as Iran war depletes stocks](#))

The Pentagon wants US defense contractors to plan for dramatically faster production of critically depleted munitions, including Patriot and THAAD interceptors. As Deputy Defense Secretary Steve Feinberg stated, “years-long development cycles are not acceptable.” Each of the interceptors mentioned is an RF system, and so is the radio communication, the navigation platform, and the missile seeker inside it; and in development, production, and integration, RF faults can be where an aggressive schedule gets disrupted. A marginal hardware defect or a technician error on the bench can cost days before anyone even knows it.

RadGreen's RF monitoring solution detects these faults as they happen, across development, production, and integration lines, and identifies whether the source is hardware or human. Finding and fixing the fault fast can cut development, production, and integration time by up to 15%. This is not a concept. RadGreen already supplies this solution to the largest defense companies in Israel — RAFAEL Advanced Defense Systems, Elbit Systems, and Israel Aerospace Industries (IAI) — on live development, production, and integration programs. When the requirement is speed, 15% is not a marginal gain — it is capacity that already exists inside the line. USA distributor Saelig Co. Inc. is ready to facilitate RadGreen's work with US defense manufacturers to incorporate this RF monitoring solution.

RadGreen RadSys RF Monitoring Solution Advantages

- Three solution types – Indoor, Outdoor, and Local & Visual
- Low-SWaP (Size, Weight, and Power) devices designed for dense deployment
- Plug and Play
- Local & Visual Versions: no communication and no memory – suitable for defense
- Non-Chinese controllers and CPUs – suitable for defense customers
- Fast response detection: pulses narrower than 1µSec – radar application
- Competitive price, especially at higher frequencies
- Wide frequency coverage: 100MHz – 40GHz, band-selective
- Maintenance-free operation – no periodic calibration required
- 24/7 continuous monitoring, early detection, with no manual measurements needed
- Centralized multi-site management
- Proven at tier-1 defense and telecom customers
- Built-in data logging and historical reporting

RadGreen's RF monitoring solutions can strengthen operational resilience, protect IP, and reduce cyber-risk. For more information, contact Saelig Co. Inc. at support@saelig.com or visit www.saelig.com/category/radgreen.htm