



news & updates August 2026 | Issue 33

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RadGreen Finds RF Faults Faster.



Indoor Connected



Local Visual
& Voice



Outdoor Connected



Screen for
Local Visual



CEO's Corner

Dear Colleague,

How do you know if you have a leaky connector or RF shielding? What if your Faraday Cage or EMI chamber has a defect and alters your test results? What if a human error turns the RF on, endangering your staff?

RF faults are invisible and are among the most difficult problems to isolate because they may be unnoticed, intermittent, extremely brief, or caused by the interaction of hardware, cabling, test setups, and human activity. In missile, radar, communications, navigation, and other RF-intensive programs, a marginal component or a simple bench error can be undetected but consume hours or days when discovered before the problem is understood

Alan Lowne
CEO, Saelig Company Inc.

What's New?

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[O. Sax. sálíg; O. L. Ger. sálíg, sélig; O. H. Ger. sálíg bealus, felix.]
Adjectives
1. Happy, prosperous, blessed

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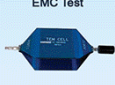
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For defense and aerospace manufacturers facing pressure to increase output without waiting for entirely new factories or lines, faster fault-finding can translate directly into increased output and reliable test results. RadGreen shares that its monitoring approach can ensure safety, as well as reducing development, production, and integration time in existing operations. The RadSys technology has been field-proven on live programs at major defense organizations including RAFAEL Advanced Defense Systems and Elbit Systems, and is available now to U.S. customers through [Saelig Company, Inc](#)



UP TO 15% Potential reduction in development, production, and integration time	100 MHz–40 GHz Band-selective RF coverage across a wide frequency range	24/7 Continuous monitoring without routine manual measurements
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Why Continuous RF Monitoring Matters

Traditional troubleshooting is often reactive: a failure appears, production pauses, and specialists begin discovering and reconstructing what happened. RadSys adds a continuous evidence layer. By detecting RF events in real time and retaining historical information where appropriate, it gives engineering and operations teams a faster path from symptom to cause.

Shorten the fault-finding loop. Immediate detection helps teams investigate issues while the event, setup, and personnel context are still available.

Expose intermittent problems. Continuous coverage can reveal events that brief spot checks or scheduled measurements may miss.

Separate hardware and human causes. Identifying whether a problem originates in equipment or in a test or production action helps route corrective work to the right team.

Protect throughput. Earlier intervention reduces avoidable rework, repeated testing, stalled stations, and lengthy escalation cycles.

Create an operational record. Built-in logging and historical reporting support trend analysis, recurring-fault investigation, and process improvement.

A Portfolio for Indoor, Outdoor, and Point-of-Work Monitoring

RadSys is offered in three solution types, allowing monitoring to be matched to the physical environment, security policy, and level of visibility required.

Solution type	Best suited to	Operational advantage
Indoor	Labs, production floors, integration areas, and controlled facilities	Persistent awareness across fixed indoor zones and densely instrumented work areas
Outdoor	Open sites, test ranges, perimeters, and exposed installations	Extends continuous RF monitoring beyond the building envelope
Local & Visual	Sensitive stations where network communication or stored memory is restricted	Provides immediate local indication with no communications and no memory

Designed for Dense, Practical Deployment

Low-SWaP devices—small in size, weight, and power demand—make it practical to place monitoring where RF events could actually occur, instead of relying on a limited number of centralized test points. Plug-and-play deployment without needing an operator reduces integration burden, while maintenance-free activity requiring no periodic calibration lowers the operational cost.

Problems swiftly detected include detecting intermittent RF leakage points, antenna failures, EMI chamber compromises, and cybersecurity RF hacks.

Technical Advantages That Support Faster Decisions

- Wide, band-selective coverage from preselected 100 MHz to 40 GHz bands supports diverse RF systems while allowing attention to be focused on the frequencies that matter.

- Fast-response detection captures pulses narrower than 1 microsecond, an important capability for radar and other short-duration RF activity.
- Twenty-four-hour continuous monitoring provides early detection without requiring technicians to perform repeated manual measurements.
- Centralized multi-site management gives authorized teams a consolidated view across facilities, lines, or geographically separated operations.
- Built-in data logging and historical reporting preserve context for investigation, recurring-event analysis, and management review.
- Competitive pricing, particularly at higher frequencies, can make broader monitoring coverage economically practical.



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voice



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Defense-Oriented Architecture

RF monitoring in defense environments must fit strict security and supply-chain expectations. RadSys addresses these requirements through product and deployment choices intended for sensitive programs.

Local operation where required. Local & Visual configurations use no communication and no memory, making them suitable for locations where network connections or stored data are prohibited.

Defense-suitable electronics sourcing. Controllers and CPUs are non-Chinese, supporting customers with relevant supply-chain and procurement restrictions.

Reduced cyber exposure. Choosing a no-communication, no-memory configuration can reduce the digital attack surface at sensitive points of use.

Protection of technical know-how. Better visibility into unexpected RF activity can help organizations investigate anomalies and strengthen controls around valuable intellectual property.

Operational and Business Advantages

Operational advantage	Business impact
Real-time detection	Less time between a fault occurring and corrective action beginning
Hardware-versus-human diagnosis	Faster assignment of the problem to the appropriate engineering, quality, or operations owner
Continuous coverage	Fewer blind spots than periodic manual checks
Historical reporting	Stronger root-cause analysis and evidence for process improvement
Centralized multi-site view	More consistent oversight across distributed programs and facilities

Maintenance-free design

Lower calibration burden, reduced downtime, and more predictable ownership cost

Where RadSys Can Add Value

Because RadSys monitors RF behavior continuously, it can support multiple stages of the product and program lifecycle rather than serving only as a troubleshooting instrument.

Development and engineering labs Detect unexpected emissions, transient events, setup errors, and intermittent behavior earlier in the design cycle.

Production test Identify faults at or near the station where they occur, limiting the time lost to downstream discovery and retest.

System integration Provide a persistent view while subsystems, antennas, radios, navigation assemblies, radar components, and other RF elements are brought together.

High-reliability defense programs Support programs where short pulses, wide frequency coverage, security constraints, and production urgency converge.

Distributed operations Use centralized multi-site management to coordinate RF monitoring across multiple facilities or program locations.

Proven with Major Defense and Telecom Customers

RadGreen states that RadSys is deployed with tier-one defense and telecommunications customers, where the technology is used on live development, production, and integration programs. This field experience gives U.S. organizations a practical basis for evaluating the solution against real operational requirements.

Turning Visibility into Capacity

The central advantage of RadSys is not simply that it detects RF energy. It gives teams earlier, more actionable knowledge about what happened, when it happened, and whether the likely source is hardware or human. That knowledge can compress troubleshooting cycles, reduce rework, improve utilization of specialized personnel, and keep expensive production and integration assets moving.

For organizations under pressure to raise output quickly, this represents an important distinction: adding capacity does not always require adding another line. Recovering time already being lost to RF fault-finding can create meaningful throughput using the people and infrastructure already in place.



Explore RadGreen RadSys for Your RF Environment

Saelig Company, Inc. can help U.S. defense, aerospace, telecom, and advanced electronics organizations evaluate the appropriate indoor, outdoor, or Local & Visual RadSys configuration.

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