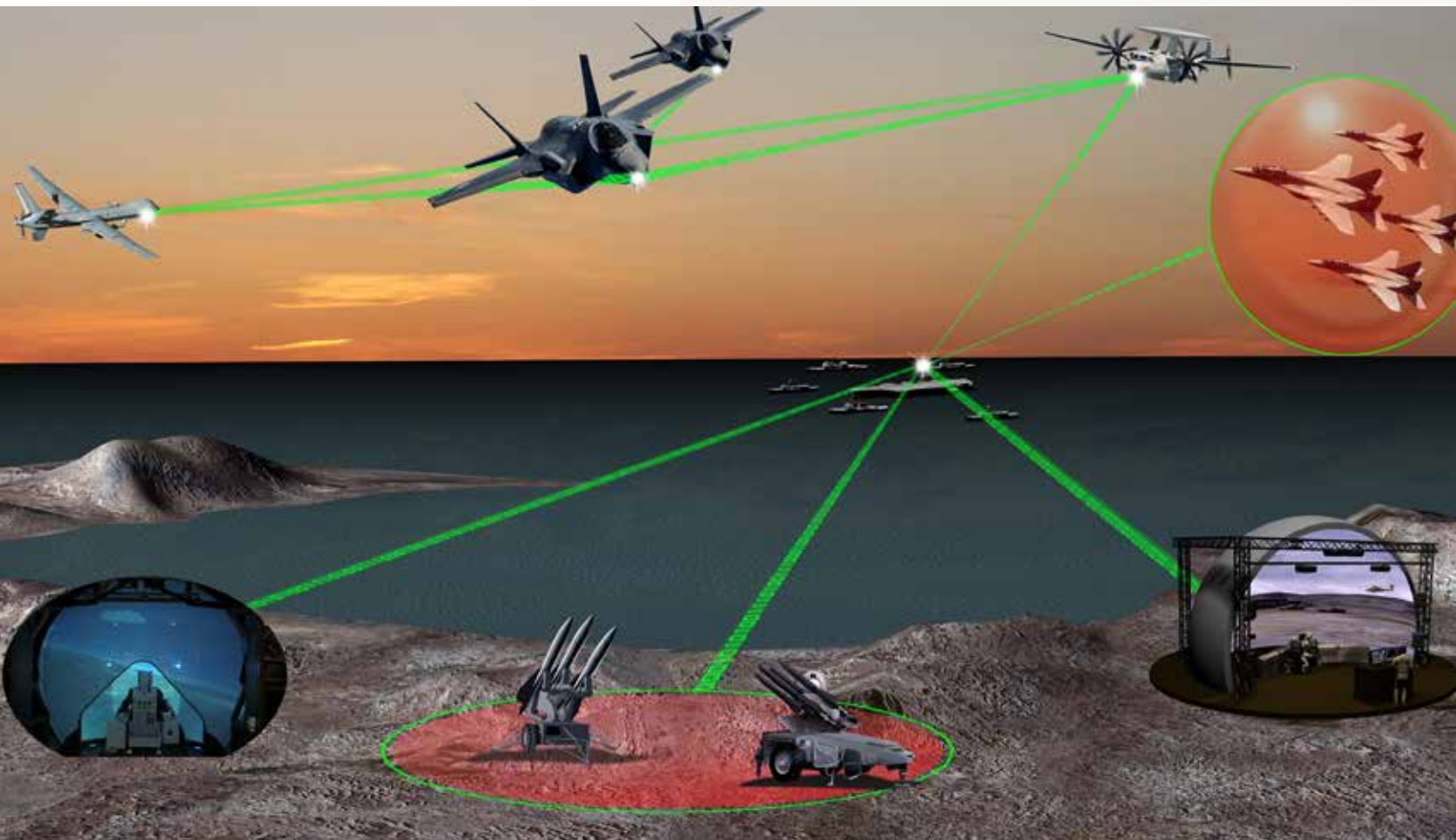


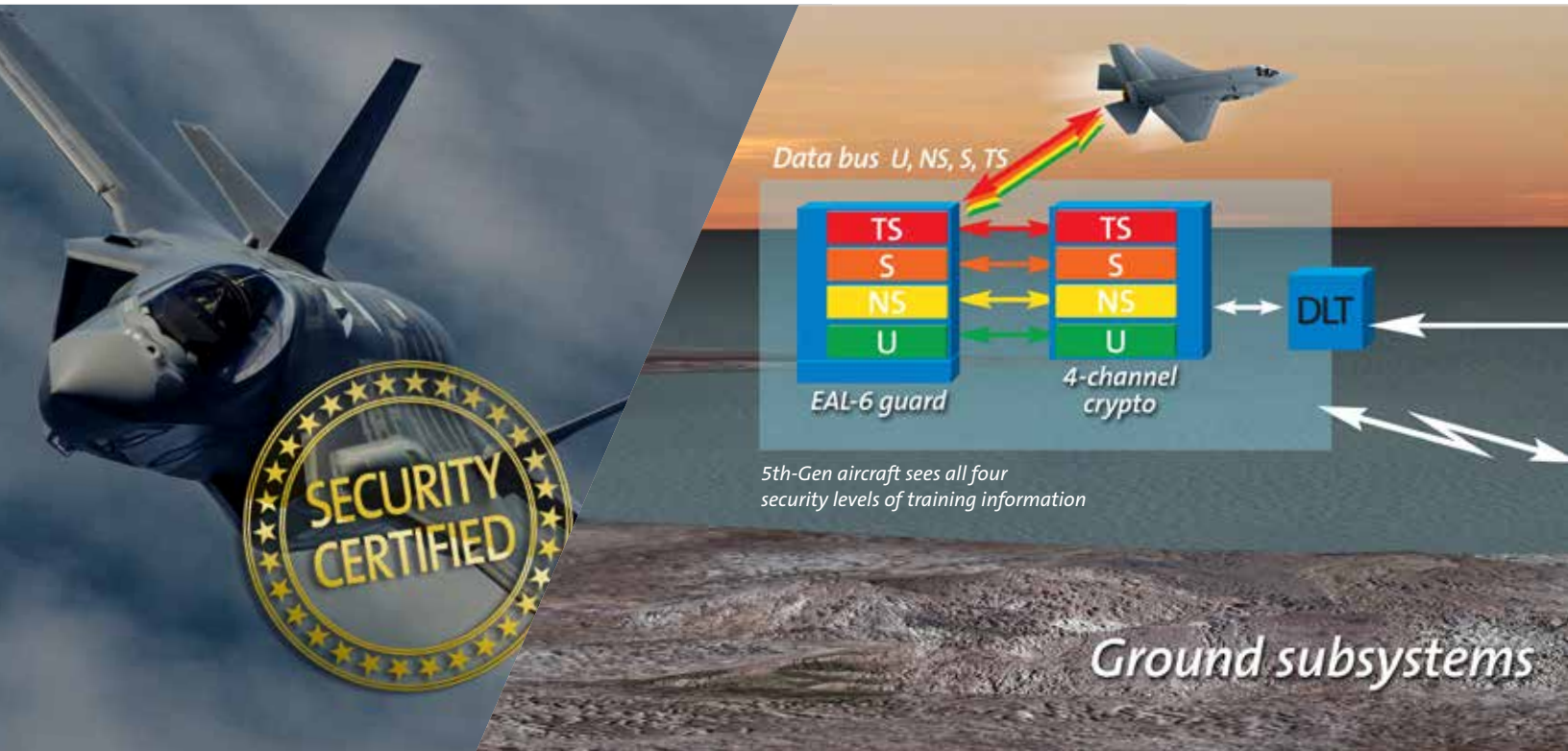
JOINT SECURE AIR COMBAT TRAINING SYSTEM (JSAS)

The latest generation of Live Virtual Constructive training.
Secure. Interoperable. Available now.



Latest-generation capabilities for increased operational realism. The next-generation system for secure, Live Virtual Constructive (LVC)-capable training is here. JSAS from Rockwell Collins and DRS Training & Control Systems brings all the capabilities together for high-fidelity air combat training. JSAS provides the first certified, four-level Multiple Independent Levels of Security (MILS) training equipment in both airborne and ground equipment, allowing for tethered and autonomous operations. MILS provides secure interoperability between 5th-Gen and 4th-Gen aircraft, bringing significant training benefit to all participants in a simulated, high-threat combat environment. Further, JSAS supports LVC training now.

Train with unparalleled realism.



CERTIFIED SECURITY

No matter what your training scenario, JSAS provides the secure instrumentation you need for multi-classification information exchange.

- The only air-combat training system with security certification that supports security requirements of today's 5th-Gen fighters
- MILS architecture capable of four simultaneous encryption channels up to Top Secret
- MILS in both airborne and ground subsystems, for tethered or autonomous operations
- User-configurable security policies for rapid mission reconfiguration

UNMATCHED OPERATIONAL REALISM

Blends synthetic elements with live participants to realistically simulate high-threat air combat situations.

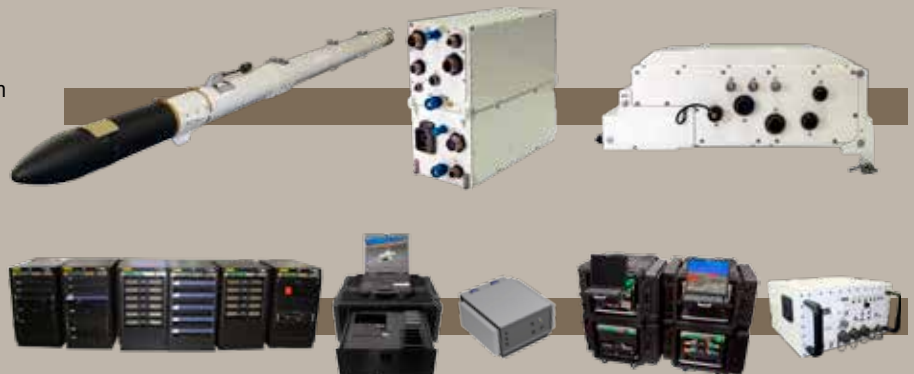
- Full-fidelity threat and weapon simulations for Department of Defense and NATO weapon types
- Real-time kill notification and removal maximizes positive training
- Reconfigurable in flight for effective training in less time
- Able to securely integrate with aircraft data bus/operational flight program
- 5x more network capacity than existing air combat training systems, in the same bandwidth – more live players and excess capacity for LVC traffic

Airborne subsystems

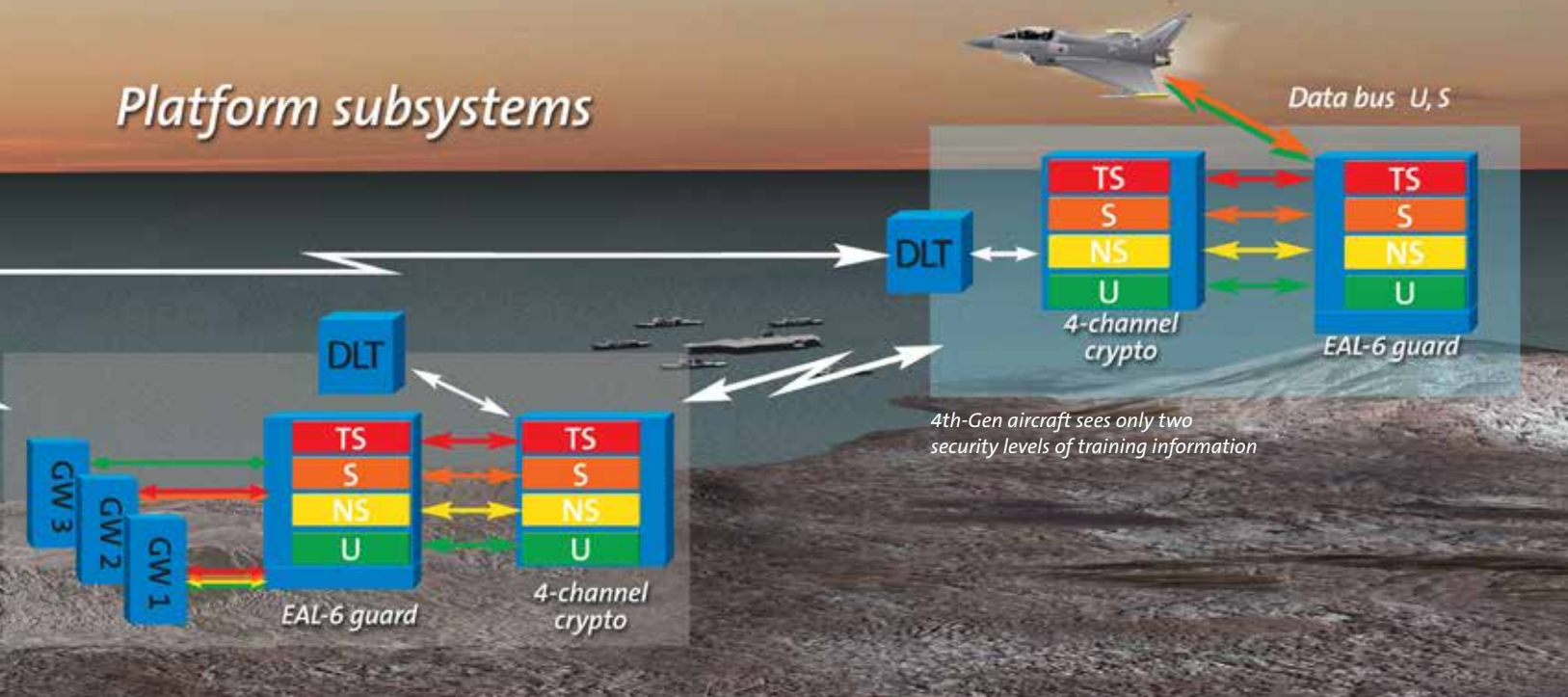
- Pod instrumentation system
- F-35 fully integrated internal mount system
- Internal/rack-mount system for F/A-18 and support aircraft

Ground subsystems

- Fixed, portable, transportable and shipboard ground systems
- Secure mission room for live monitor/playback
- Remote range unit for real-time monitoring and mission control



Platform subsystems



5TH-GEN TO 4TH-GEN INTEROPERABILITY

Now you can add depth to exercises by securely enabling 5th-generation, legacy and coalition forces to train together, accurately reflecting real-world environments.

- Scalable system supports participants from the small squadron to the large force
- Integrates with current training assets such as electronic-warfare threat emitters and ground-based participants
- Open systems architecture allows integration of third-party applications
- User-controlled security rule-sets manage information sharing between participants of different security levels

FUTURE READY

Not only is JSAS real, certified and operating on ranges today, it's also designed to advance as your future training needs change.

- Leverages newly developed security and data-link technologies with decades of air combat training expertise
- Overcomes limitations in live threats and training infrastructure
- Provides rapid training response to emerging missions and threats
- Open architecture simplifies obsolescence management and future upgrades with new technologies

A partnership that multiplies your training advantages.

Rockwell Collins and DRS Training & Control Systems have teamed up for combined expertise that spans the entire air-combat training spectrum. Let us show you how JSAS can elevate your training operations.

- Takes advantage of more than \$300 million in technology investment to realize test and training commonality for reduced development and life-cycle costs
- Expertise in MILS encryption, advanced data links, networking, LVC, simulation systems and ConOps
- In-depth knowledge of customer needs in the air-combat training sphere

Building trust every day.

Rockwell Collins delivers smart communication and aviation electronic solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

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