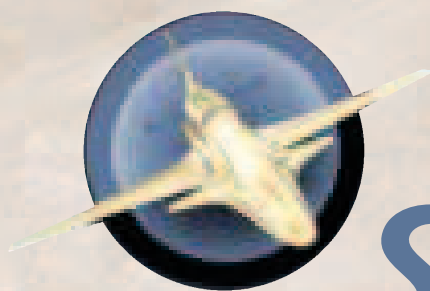


Every
Platform.

Every
Payload.

Every
Mission.



Simlat
UAS & ISR Training Solutions



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About Simlat:

Simlat provides high-end Unmanned Aerial Systems (UAS) and Reconnaissance, Surveillance and Target Acquisition (RSTA) mission training systems and simulators for every platform and mission payload.

Simlat's advanced mission training platforms are designed to provide effective and rapid training for every UAV/UAS operator, at any level. from inexperienced operators to mission commanders. Simlat strives to close the gap between students and mission ready experts, allowing customers to execute missions more quickly and in turn saving lives.

With experienced instructors and a team of elite operational experts, Simlat provides customers with a comprehensive and structured solution for successful training and qualification.

Simlat offers superior solutions to meet the unique needs of every client:

:: **Armed Forces** (Army, Navy, Air Force, Marines, Coast Guard and Air National Guard) **and Defense Agencies:**

- > Surveillance and reconnaissance
- > Urban warfare
- > BDA (Battle Damage Assessment)
- > RSTA (Reconnaissance, Surveillance and Target Acquisition)
- > Special operations
- > Force overwatch/protection
- > Convoy support
- > Asymmetrical warfare

:: **Homeland Security:**

- > Counter-terrorism
- > Border and Port security
- > Securing strategic facilities
- > Emergency response to disasters

:: **Commercial and Civilian:**

- > Environmental monitoring and control
- > Traffic monitoring and control
- > Search and rescue operations
- > Fire mapping/monitoring

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Simlat

Every Platform.

Every Payload.

Every Mission.

"Simlat's goal is to continue generating the most effective and efficient training solutions for every type of UAS & ISR platform, payload, or mission. Thus, optimizing operators' proficiency and providing a decisive advantage when performing their mission objectives."

Moshe Ortasse

Chairman of the Board



ST1 Technology Overview

ST1 is the infrastructure of Simlat's line of training and simulation products.

This state-of-the-art framework runs multiple simulation servers simultaneously and creates the synthetic environments displayed in ST1 applications.

It was designed around principles such as

Interoperability, Portability, Flexibility and Reusability.

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Simlat's UAV/UAS Simulation Systems

- > Operational and proven UAV training system in service of more than **15 customers worldwide**
- > Allow for a **wide range of diversified training** - from novice to expert
- > Enable **mission rehearsal capabilities** for improved battlefield readiness
- > Provide **high correlation** between training scenarios and mission execution
- > **Rapidly deployable and cost-effective solutions**
- > **Minimize operating risks** and reduce spare part usage

Main Training Applications

- > HALE & MALE UAV Platforms
- > Tactical UAV Platforms
- > Mini UAV Platforms
- > CCD/IR/SAR Payload Operators
- > IMINT/ELINT/COMINT Sensor Operators
- > VTOL UAV Platforms
- > Visual Intelligence Interpreters
- > Data Analysts

Main Features

- > **Complete mission simulation** - platform, payload and sensor in one scenario
- > **Payload simulation** mechanics, optics and logic
- > **CCD & IR - high-fidelity** sensor simulation
- > **UAV flight dynamics simulation** - including autonomous and controlled flight modes
- > **Ground, Air & Marine Scenario simulation**
 - computer generated forces running either preplanned or controlled scenarios
- > **Instructor's station** - Real time control over environment, didactics and scenario
- > **Powerful scenario building** capability - the end user can independently create training content
- > **Special sensors** capabilities - **SAR, ELINT, COMINT**
- > **Self-training** - mode with **performance feedback**
- > Built-in **debriefing capability**
- > **Easily customizable** - to support future or legacy UAV platforms and sensors
- > **Rapid integration** - interface enables connection to, and interoperate with, various control stations, simulations and systems
- > **International Standards**- Compliance with **STANAG 4586, 4609, 4545** and commonly-used formats

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Available System Configurations Field and Unit Deployment

The revolutionary, Stand-alone Trainer (STAR) is an independent simulator for UAS **units, squadrons, and centers**. The STAR is easy to mobilize, affordable, and capable of effective rapid deployment.



Operational Environment Deployment

Simlat's Integrated/Embedded Trainer (INTER) provides comprehensive training for the **specific operational environment of the mission crew**. Simlat's INTER supports international standards and formats for rapid integration to different UAS & ISR platforms.



Training Centers

The ISR Multi Purpose Advanced Classroom Trainer (IMPACT) consists of several networked training systems controlled by a central instructor station. The central station acts as a "training hub" and offers simultaneous operation. This configuration is an ideal solution for organizations involved in training and qualification of users/customers operating various platforms, payloads and missions.



Additional Services

- :: Turn key **training and instruction** packages
- :: **Geo-specific UAV database (terrains) creation** allows practice and mission rehearsal at any area of interest
- :: **Battle Lab environment**
 - flexible configurations based on Simlat ST1 technology
- :: **R&D and engineering services**

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