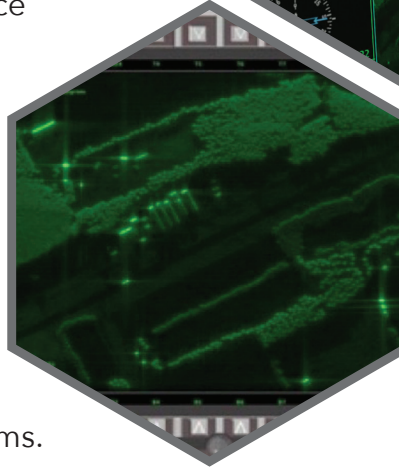# RFview®

## TRAINING

# RFview® for
# Training

Pilots/Operators can train in realistic environments that capture the key coupling between pilot/operator actions and radar/RF performance.

RFView® is an advanced site-specific radio frequency simulation and analysis environment. RFView® has successfully supported numerous advanced development projects for DARPA, Army, Navy, Air Force and other private customers since 1989. It is now possible to have a completely realistic radar/RF flight simulation capability that faithfully re-creates what a pilot/operator would see flying anywhere in world, against realistic threats. Advanced 3D scene databases are integrated into RFView®, along with advanced target radar/RF models and electronic warfare (EW) systems.

**Increased readiness and mission success**

For more information on this product, please contact *Peter Skangos*

## ISL
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# Features and Benefits

- High Fidelity physics based electromagnetic propagation

- VHF through X-band

- Fully polarmetic

- Multichannel/MIMO radar

- Bi/Multistatic clutter

- High-fidelity RF systems modeling

- Multiple multichannel radar models

- Real-world hardware effects (e.g., channel miss-match)

## Training Device Solution includes :

- ISL RFView® sidecar

- ISL commercial flight simulators radar display plugin

- Trainer Host Computer w/ GPU

- Replica HOTAS

- Large format touchscreen display

## Next Generation Operator RF/Radar Training

- First ever real-time, physics-based, integrated radar/RF simulation capability that faithfully replicates the complex environment encountered in standoff air-to-ground engagements, in highly contested environments.

- Allows for training in the most contested environments and advanced threats, including postulated future threats.

- Universal ethernet based interface allows for its integration into both DoD flight simulators, and commercial products such as commercial flight simulators.

- Sidecar architecture dramatically minimizes integration costs with high-end flight simulators.

## TURNKEY SOLUTIONS

Commercial flight simulators stand alone ready to use product BUT with the sidecar architecture, RFView® (training) can be integrated into a number of different flight simulation environments at a low cost.

Novel integrated high-fidelity radar/RF/EW flight simulator adjunct "sidecar" that can be rapidly and cost-effectively integrated with existing flight simulators and training systems.

Current flight simulators do not have a high-fidelity, physics-based, real-time radar/RF modeling and simulation feature of real-world terrain, targets, and Electronic Warfare (EW) effects.

**Fact:** Existing flight simulators do not accurately capture the intimate physics-based coupling between pilot/operator actions and RF/Radar performance. RFView® Training solves this problem!

*Supports Life Cycle Support Cost Reduction*

## Services Available:

Technical Support
    Training and tutorial in-class and/or distant learning sessions
Installation and Setup
Maintenance
Application Support
Hardware Support

## System Requirements:

Windows workstation with high performance GPU