

SBIR

SANTA BARBARA INFRARED, INC.

a HEICO company

W

elcome to the world of Santa Barbara Infrared.

This newsletter is the first in what will be a regular publication. The newsletter will cover significant company events and activities, new product announcements and progress, and anything else we think our current and future customers will find useful. We hope you find the publication informative and interesting. We encourage your feedback, so please visit our website at www.sbir.com.

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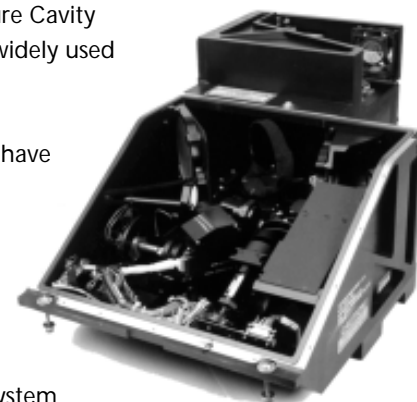
The annual SPIE AeroSense Conference and Exhibition at the Marriott World Center in Orlando, Florida the week of April 23rd is fast approaching. SBIR will be presenting numerous technical papers throughout the week, and will again have a display booth (#1001) located at the front of the Exhibition Hall.

As a highlight to a representative display of our extensive line of standard products, we will be showcasing our new High Temperature Cavity Blackbody and the about-to- be-released upgrade of our widely used Automated Test Software, *IRWindows 2000*.

For those interested in multi-spectral test systems, we will have on display an ATOSS Test Set, that we build for Northrop Grumman's Consolidated Automated Support System (CASS) requirements. The ATOSS System supports testing of FLIRs, Visible Sensors, Laser Range Finders, Laser Designators, and Direct View Optics.

We are expecting our MIRAGE Dynamic Scene Projector system display to be among the biggest hits of the week. MIRAGE demonstrations will include:

- User interactive operation with a 3-D scene generator, missile seeker tracker and emulated missile fly-out
- Operation using DD02 input from a low cost PC-NT scene generator
- Independent operation using standard video camera input (NTSC)
- Independent operation using standard VCR and video tape input (NTSC)



*Integrated
Photonics Asset
for ATOSS*

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SBIR's technical sales staff will be on hand in full force to discuss your test system needs. Please make sure you stop by and see us.

New Website

The new web site is up and running! Log on and check out what's happening in the world of infrared, including testing, technical information, application notes, and dynamic scene simulation.

www.sbir.com

SBIR Expands

SBIR recently opened an office in Huntsville, Alabama to support the MIRAGE scene projector product line.

Richard Robinson joins SBIR as Director of Scene Simulation and will manage MIRAGE activities as well as scene simulation/hardware in-the-loop (HIL) systems development from the new Huntsville facility.

Richard holds a BS in Electrical Engineering and an MS in Computer Science. He brings 20 years of experience in the field of HIL missile testing, specializing in the areas of infrared scene generation and infrared

scene projection. Richard will be working to expand SBIR's overall scene simulation products and support services, including the development of full infrared scene simulators and complete EO/IR HIL simulation facilities.

For more detailed information please contact Richard at (256) 729-9737 or richardsbir@aol.com. Information is also available at: www.sbir.com or sales@sbir.com.

New Products

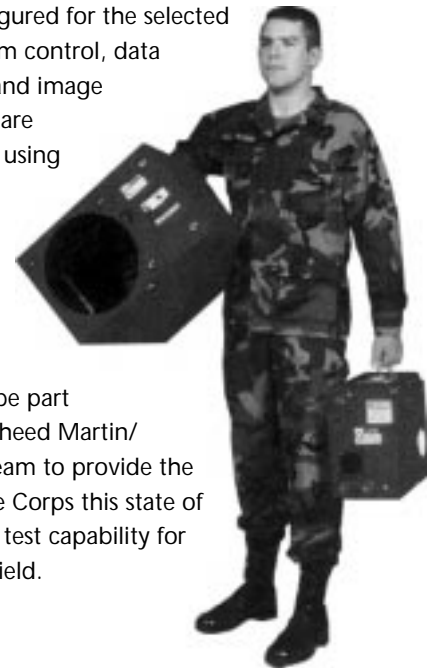
The SBIR/Lockheed Martin team was recently selected by MANTECH to design and produce the Third Echelon Test Set (TETS) EO Variant for the US Marine Corp.

The **EO Variant** is a modular, light weight, battlefield ready system that will be used to diagnose and verify the correct operation of the following line replaceable units: FLIR systems, Laser Range Finders/Designators, Visible Camera/Display systems, Direct View Optics, Modulated Source Trackers and Video Contrast Trackers.

The TETS EO Variant consists of a broad band, all-reflective collimator module, IR module, visible module and multi-function module. The system is quickly and easily configured for the selected tests. System control, data collection and image processing are automated using

SBIR's **IRWindows** software package.

SBIR is excited to be part of the Lockheed Martin/ Mantech team to provide the U.S. Marine Corps this state of the art E-O test capability for use in the field.



Scene Simulation services offered:

- Infrared Scene Projection (IRSP)
- Infrared Scene Generation (IRSG)
- Infrared Scene Injection (IRSI)
- Flight Motion Simulators (FMS)
- Infrared System Analysis
- 6-Degrees-of-Freedom Simulation Development
- Laboratory Seeker Development and Integration
- Infrared Simulation/Test Facility Design
- Infrared Simulation Facility Integration

IRWorld by Alan IRWin

