

SSi

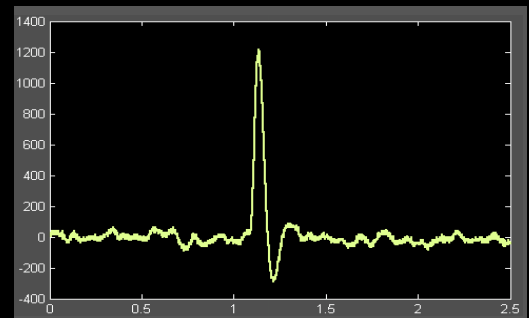
SENSING STRATEGIES, INC.

SSI is an energetic, high-tech, small business dedicated to solving difficult remote sensing problems for the DOD and commercial sectors. SSI achieves a very high level of customer satisfaction because of our technical innovations and efficient solutions to a diverse range of measurement and automated processing problems. We strive to recruit and retain motivated employees who have a strong desire to refine their areas of expertise and expand their capabilities through continued learning.

SSI was incorporated in New Jersey in June 2000. The company founders have 50+ years of experience in the areas of electro-optics and applied science, primarily in defense-related remote sensing.

REMOTE SENSING

Remote sensing encompasses all types of sensor systems designed to record data at a distance from the event of interest. Sensors may be passive (e.g., thermal imagers) or active (e.g., LIDAR systems), and may be deployed from space, on airborne platforms, or on the ground. Regardless of the sensor platform, all remote sensing problems share common elements, such as the need to understand and quantify changes in the event observables arising from the distance over which they are viewed. SSI works on all types of remote sensing applications in roles ranging from data analyst to sensor developer. As such, we are uniquely qualified to provide our customers with end-to-end solutions to a wide variety of remote sensing problems.



OPTICAL RECEIVERS

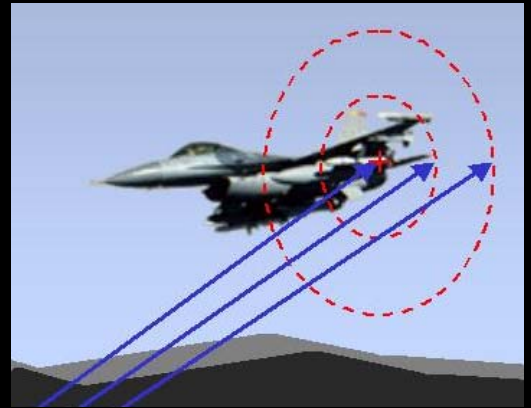
SSI provides hardware development expertise to its customers on a variety of levels. We design and fabricate custom hardware to satisfy unique measurement requirements as well as to prototype novel system concepts. In addition, we serve as consultants to program managers to provide an independent evaluation of optical receiver systems being developed by other contractors. In this role, we provide technical support throughout the design, development and test and evaluation processes.



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ALGORITHM DEVELOPMENT

The development of algorithms to extract information of interest from sensor data is a natural outgrowth of SSI's expertise in understanding and modeling physical phenomena and sensor performance. SSI develops real-time detection and estimation algorithms implemented in embedded hardware. We also develop graphical user interface based analysis tools designed to provide quick turnaround data products following a measurement.



FIELD MEASUREMENT

SSI develops successful field collections through a disciplined, rigorous process including pre-test predictions and calibrations, quick-look analyses on site, and management of test objectives. Our success in this area stems from our understanding of the physics related to the problems at hand, as well as our in-depth grasp of the hardware and sensor capabilities.



FACILITY

Sensing Strategies is conveniently located in Pennington, NJ within easy access to Princeton, Interstate 95, and the Route 1 corridor. Our 20000 square foot facility includes dedicated laboratory and computing areas, conference rooms, and secure computing.



GROWTH AREAS

One of SSI's greatest strengths is the ability of its personnel to evaluate sensor technologies within the context of their intended applications. Much of our experience in this area is related to defense systems, such as warning receiver evaluation, FTIR spectrometry, and standoff collection systems development. Our ability to work in such a diverse range of applications is founded on a consistent, physics-based system development methodology that is not specific to any particular discipline.

This methodology is equally applicable to many commercial requirements, such as developing solutions for quality assurance, automated inspection, surveillance, and pollution monitoring. Such applications provide opportunities for SSI to expand into the commercial sector. In addition, SSI invests corporate resources to develop and demonstrate new hardware capabilities in order to help support future work.

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