

## CAPABILITIES STATEMENT



### Core Competencies

#### Product Development and Manufacturing

- Multi-discipline engineering
- Embedded, PC, Smartphone and Web-based software
- Instrumentation design and prototyping
- Sensors, radiation detection, imaging
- MIL-STD testing and qualification, Military manuals
- Low to medium rate manufacturing of Military and Commercial products

#### Immersive Computer Based Training (CBT)

- Video game style training development
- Radiation, chemical, explosive detection physics and instrument simulations
- 3D graphics and game programming
- Learning Management System (LMS) integration

### PAST PERFORMANCE

- Designed, fabricated and deployed imaging upgrade kit for large-scale cargo inspection system for CBP. Currently deployed at AZ POE, pursuing additional units
- Developed and deployed RAILS CBT (Computer Based Training) product for radiological, chemical & explosives threat detection for DoD and DHS
- Developed & deployed Rad/Nuc instrument & radiation safety focused CBT (pre-class, in-class, and refresher) to support OCUNUS DoE Search and Secure program
- Currently manufacturing IM-272A/WDQ Air Particle Detector and HD-732D/UD Air Particle Sampler for Navy
- Developed and deployed RadMate™ First Responder Smartphone Reachback (to National Labs) App for DHS
- Designed and manufactured 150 low RF noise LED luminaires for Arecibo Radio Observatory
- Designed, fabricated and tested prototype mmW check-point inspection wand for non-metallic objects for DHS
- Developed rad instrument repair and effects CBT for Oregon State University and Canadian Nuclear Safety Commission
- Developing next-generation high energy computed tomography detectors for Navy missile inspection
- Currently developing rad detection live training system using simulated radiation sources for DHS

### Corporate Overview

Spectral Labs Incorporated  
15920 Bernardo Center Dr.  
San Diego, CA 92127  
[www.spectrallabs.com](http://www.spectrallabs.com)

CAGE: 549W5

DUNS: 827054490

NAICS: 334519, 541330, 541614, 541690, 541512, 541420, 541715

- C Corporation founded in 2009
- Employee Owned, Small Business
- ISO 9001:2015 registered
- Personnel & facility clearances
- DCAA/DCMA Approved Accounting

### Clients Served

- US Gov: DoD (Navy, Army), DHS, CBP, DoE, DoS, DoT, DLA and NIH
- Corporate & Others: Rapiscan/AS&E, Leidos, SAIC, Battelle, Canadian Nuclear Safety Commission, Oregon State University, Arecibo Radio Observatory

#### **President/CEO**

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#### **Product Development/Manufacturing**

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#### **CBT & Technology Development**

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