

## Photoluminescent Solutions For Warfighters in the Field

Defense Holdings, Inc. (DHi) is currently developing a prototype for the Cammenga compass under a Phase II SBIR contract to provide persistent illuminators as a replacement for radioactive Tritium. The objective is to provide the customer with a less expensive, safer and more effective, self-illuminating, photoluminescent (PL) light source than Tritium. DHi is also developing a prototype for the Rifle Combat Optic (TA31RCO) sight under a Phase II SBIR contract to provide persistent illuminators as a replacement for radioactive Tritium. The objective is to provide the customer with a less expensive, safer and more effective, self-illuminating, photoluminescent (PL) light source than Tritium to illuminate the Trijicon red chevron reticle inside the rifle scope. The PL Cammenga Compass and RCO sight research and development are both based upon work supported by the Marine Corps Systems Command under contract No. **M67854-07-C-1096, Persistent Illuminators as a Replacement for Tritium in Weapon Sights.**

DHi has developed an Emergency Egress Photoluminescent (PL) Lighting Kit™ specifically for MRAP Vehicles. Our objective is to provide the Warfighter with simple and highly reliable emergency markings using our AfterGlow® Brand photoluminescent light sources to identify the locations of door latches and openings, grab bars and emergency equipment such as fire extinguishers in the absence of daylight and any other powered lighting.

When things go really bad and you've got to quickly orient yourself in a darkened vehicle and escape, **clear and reliable safety and egress markings are vital.**



## Who is Defense Holdings, Inc.®?

DHi® is a dynamic small business dedicated to helping customers – in government or industry – insert and manage new technology. The DHi staff enjoys a reputation earned over many years for technical, managerial and manufacturing excellence. We support our customers with innovative and timely solutions to the complex problems of implementing and managing technology in a demanding and rapidly changing procurement environment.

Customer questions or concerns can be addressed to:

### Greg Bender P.E.

Vice President, Business Development  
Defense Holdings, Inc. The Idea Company®  
1005 N. Glebe Rd., Suite 500  
Arlington VA 22201-5718  
Tel: (703) 682-5560 ext. 4201  
E-mail: gbender@dh-inc.com

Visit us on the web at [www.dh-inc.com](http://www.dh-inc.com)  
or visit our web store at [www.afterglowdirect.com](http://www.afterglowdirect.com)

## ISO 9001 Registered Since 2003

DHi has been recognized for its innovative products, expert project management techniques, and attention to detail. DHi has been ISO 9001 registered since 2003. Our QMS requirements cover all aspects of our business including engineering, project management and manufacturing and ensure the consistently high quality of DHi's products and services.



DCN024.20091002-MILITARY\_SOLUTIONS  
© 2009 Defense Holdings, Inc.®



Presents

## Technical Solutions for the U.S. Military

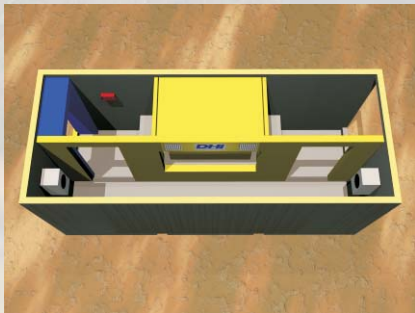


# We Engineer Solutions For Complex National Problems

DHi Applies, Innovates, and Transitions a Broad Range of Professional Services and Advanced Technologies to Support National Priority Programs

## Modular Screening Stations

- Customized, containerized solutions incorporating the particular systems and components that customers need for their specific situations.
- Most security checkpoints have no ability to detect hidden non-metallic devices and objects, liquids, gels and explosives on persons.
- Suicide bombs/explosives must be detected at safe standoff distances.
- Current metal detectors are not designed and are unable to detect any explosives, liquids, gels, etc.
- Explosive trace detection systems are not reliable and lack adequate throughput.
- Dogs can not detect many terrorist devices.
- An immediate and simple revision to current protocol to incorporate passive millimeter wave technology cameras – to augment current x-ray screening and magnetometer systems.
- This will vastly improve security immediately (without burdening current security staff).



## Analysis & Evaluation

A well-trained, experienced staff with real world expertise fighting some of the greatest challenges ever to face our nation, ranging from the interdiction of illicit drugs to battling global terrorism.

Our experience includes:

- Intelligence Analysis
  - Global War on Terror
  - Counter-narcotics Operations
  - SIGINT and HUMINT Collections
- Assessing activities, processes, scheduling, alignment, and infrastructure
- Collecting pertinent data and providing timely and accurate briefs
- Interfacing with program managers, cognizant design managers, in-service engineering agents, maintenance providers, type commanders, and operators
- Researching maintenance improvement initiatives



## Life Cycle Management

We frame the problem in its operational context, then pose a viable solution and manage the corrective action.

- DHi believes strong DoD maintenance programs demand a sturdy planning, scheduling, and documentation foundation.
- Our experts understand how to structure DoD maintenance programs to incorporate appropriate alteration programming, outage/overhaul management, and training.
- We make concerted efforts to reduce our client's Total Ownership Costs (TOCs) by improvement through innovative technology insertion.

