



# AVIATION LASER DEFENSE TRAINING

## LASER DEFENSE FOR CIVIL NIGHT VISION OPERATIONS

**Laser Armor™ Aviation Laser Defense Training** is a timely and cutting-edge training program that provides up-to-date information and mitigation techniques on how to respond to the growing problem of laser illumination of cockpits. The training is designed to increase awareness and educate aviation organizations on this growing problem in the skies for fixed and rotary wing aviators in an effort to lower the risk of damage to personnel and equipment.

## MARKET NEED

With the use of laser technology becoming increasingly accessible, aircrew members are being affected by lasers in many ways. Some common symptoms may be minor eye irritation, temporary blindness, and permanent retinal damage. This can lead to aircrew members being prevented from completing their duties, loss of situation awareness, and ultimately loss of aircraft control. Many organizations, such as law enforcement and emergency response agencies have recognized the need for a laser eye damage mitigation program.

## TRAINING OVERVIEW

Laser Armor Aviation Laser Defense Training was developed by leading night vision solution provider, Night Flight Concepts, working in partnership with Delta P, specialists in aerospace physiology and human factors. The course is designed to help public safety and civil aviation organizations respond to the problem of laser illumination of cockpits. Upon completion of the course the students will have a sound understanding of the affects of lasing and methods for mitigating the problem.

## TRAINING HIGHLIGHTS

Laser Armor Aviation Laser Defense includes operational instruction for aircrew-members to learn flight techniques and other initial responses to laser strikes. The course provides laser defense equipment option information for aircrew-members on how best to protect themselves and Night Vision Imaging Systems from permanent laser damage while maintaining control of the aircraft. The Laser Defense Training also covers planning measures for developing and implementing an in-house laser defense program, such as the adoption of useful techniques and procedures to undertake after an incident.

## FEATURE

<b>Types of Lasers</b>	Defining the level of hazards associated with different classifications of lasers.
<b>Effects of Lasers</b>	Describing and showing the various injuries and problems associated with laser eye strikes.
<b>Laser Eye Damage Tracking</b>	Laser incident reporting to establish known history and track future occurrences.
<b>Protection Measures</b>	Identifying numerous passive and active protective measures to mitigate laser eye damage.
<b>Post-Strike Measures</b>	Immediate action plan after encountering a laser strike ranging from immediate to post flight measures.

## LASER DEFENSE SOLUTIONS

Helps Aviation Operators:

- The course highlights laser defense equipment options available for supporting night flight operations
- Develop operational strategies to prevent or minimize laser strikes
- Learn flight profile techniques to minimize the effects of lasers
- Enhanced operator safety and performance testing process
- Track Individual Laser Incident Reporting
- Reduce the risk of laser damage to personnel and equipment
- Reduce time and cost of training



Night Flight Concepts (NFC) is a comprehensive night vision technology (NVT) provider specializing in night vision goggle (NVG) pilot and crewmember flight training, NVG service and maintenance repair, NVG maintenance technician training, and night vision program support for law enforcement agencies, air medical/rescue services, military organizations, and government task force agencies worldwide.

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