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Laser Visual Disruption Device

Immobileyes is developing MEDUSA, a next-generation laser dazzling device that uses multiple low power lasers to cause temporary visual disruption to more effectively deter dangerous adversaries without putting users or bystanders at risk, reducing the need for lethal force and preventing unnecessary loss of life. Developed by leading laser protection experts, MEDUSA projects hundreds of multi-wavelength, rotating lasers which are not susceptible to counter-measures. The Air Force and USCENTCOM have expressed interest in MEDUSA as a new technology that can be used by the Warfighter and First Responders right now as a Non-lethal Deterrence in various areas.

With recent events, law enforcement and first-responders are interested in a portable or drone-mounted version of MEDUSA for crowd control. The current device housing and components are too large to be mounted on a drone. Immobileyes is teaming with CDME to design a miniaturized device that is simpler to operate, light-weight, compact and with low power consumption to enable mounting for portability and drone applications. This technology can benefit the military, law enforcement, homeland security, rescue personnel, and has commercial applications for residential, facility, and school security.

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Prototype render and technology process flow chart pictured on the next page



THE OHIO STATE UNIVERSITY

COLLEGE OF ENGINEERING

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SOLUTION: MEDUSA

Use hundreds of laser beams to temporarily disrupt vision

80% of human perception is through vision



Disrupt Vision



Disrupt: Targeting Progress Attack

