



Directed Energy Warfare Office

Counter-Improvised Explosive Device

NAVAL SURFACE WARFARE CENTER • DAHLGREN DIVISION

Supporting the Warfighter

Improvised Explosive Devices (IEDs) have posed the most pervasive threat facing coalition forces in Iraq and Afghanistan. Defeating this threat to our military is a top priority of the Department of Defense. The Directed Energy Warfare Office (DEWO) is dedicated to helping reduce the threat of IEDs to the warfighter and has focused efforts in the areas of:

- Assessing IED detection technologies and capabilities
- Understanding the susceptibility of IEDs to directed energy
- Developing technologies to exploit IED susceptibilities
- Getting capabilities into the hands of the warfighter to reduce the threat of IEDs

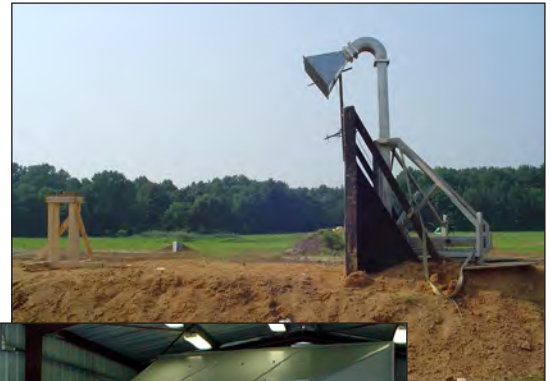


The objective of the Counter-Improvised Explosive Device (C-IED) initiatives within DEWO is to evaluate the effectiveness of directed energy technology to counter IEDs and leverage this knowledge to develop systems that enhance the capabilities of the warfighter.



Technical Expertise

DEWO has extensive experience and capabilities in testing, measurement, design, and specific development efforts to provide C-IED capabilities and systems to the warfighter.



C-IED assets include:

- Calibrated open-air ranges to support static and dynamic testing of IED detection systems and directed energy sources
- High performance computing capabilities for predictive analysis
- State of the art laboratories for target susceptibility analysis
- Hardware design and system development

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