

Sandia National Laboratories

On the Leading Edge of Directed Energy Research



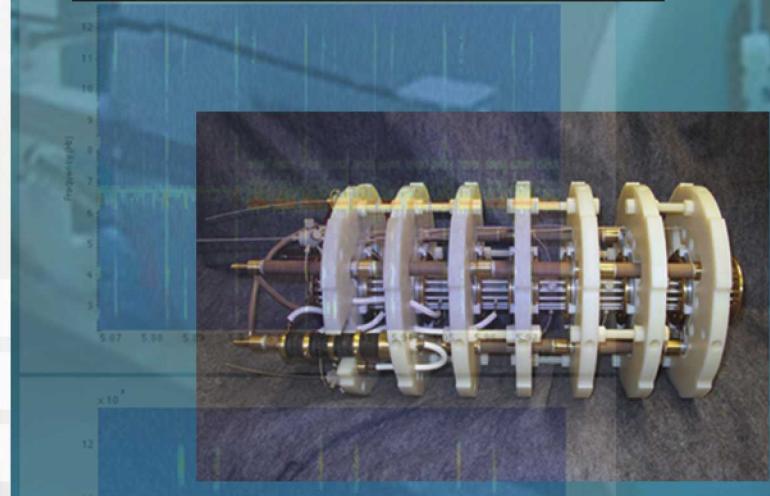
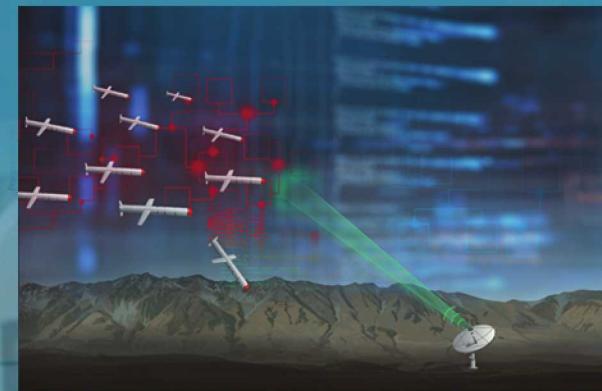
Sandia has world-class expertise and decades of experience in Directed Energy research, systems development, and assessments for National Security.

We

- Weaponize technology Pathfinders
- Exploit sensors and systems
- Conduct High-Power Microwave (HPM) and RF circuit-to-systems effects testing and assessments
- Develop compact HPM and RF sources, components and systems
- Develop pulsed laser sources and systems
- Research laser-material interaction phenomena
- Model components through systems to engagements
- And more ...



High-Power Microwave Technologies



Threat-Informed Design

DE for Strike

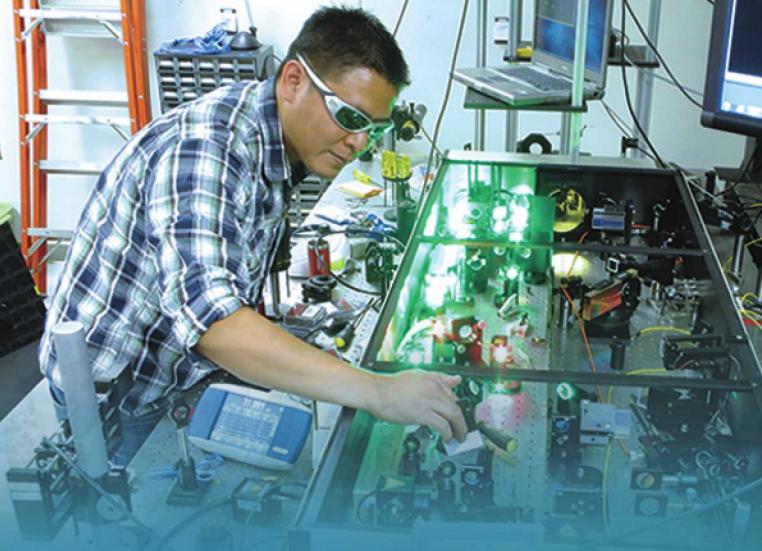
DE for Defense

DE Predictive Science

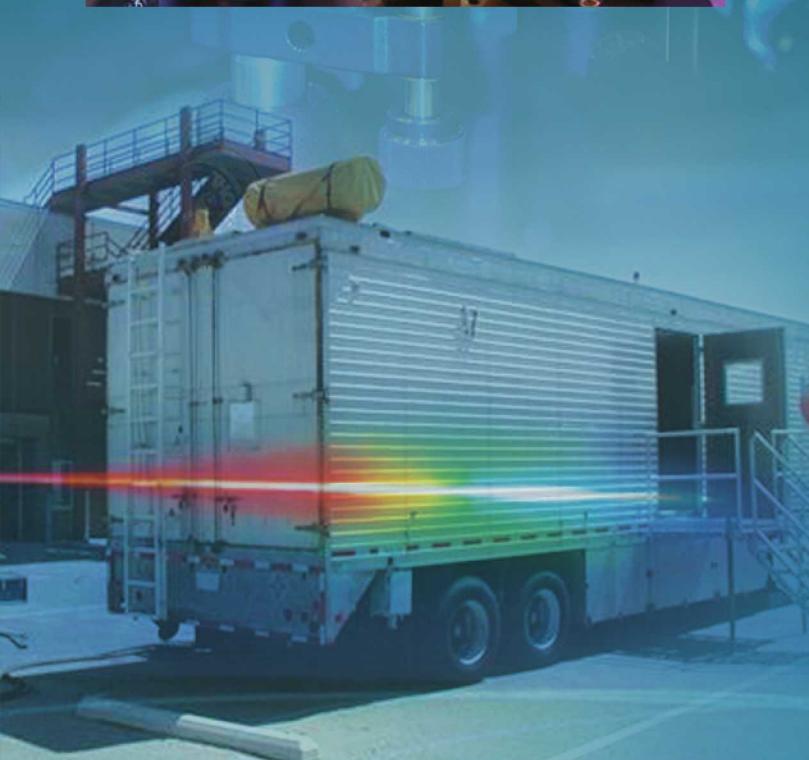
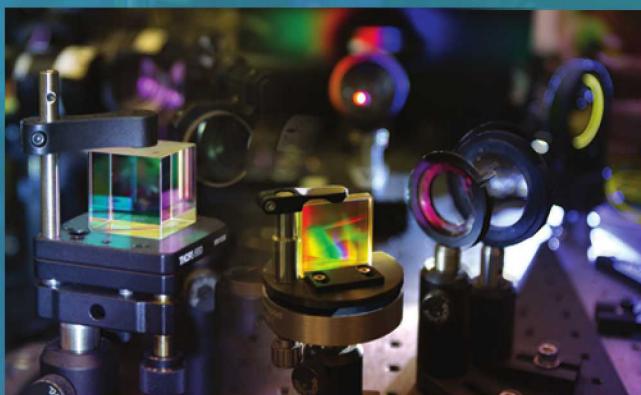
Advanced Modulation

Coherent Beam Combining

Cooperative EW & Combined Effects



Pulsed Laser Technologies

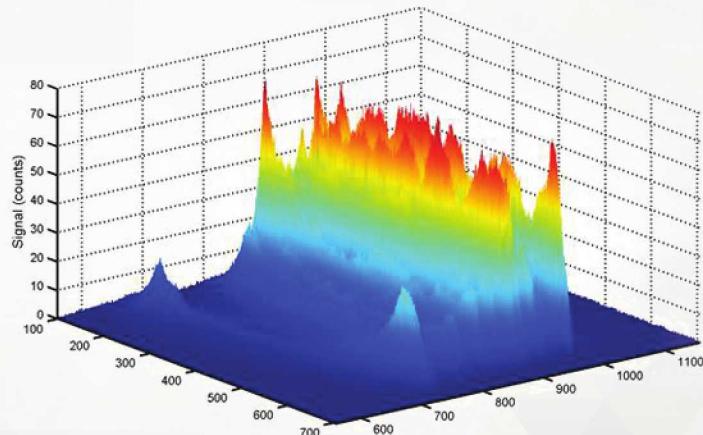


Sandia is a multidisciplinary national laboratory and federally funded research and development center (FFRDC) for the National Nuclear Security Administration.

Sandia also supports the warfighter by accelerating the development of innovative systems, sensors, and technologies for the national security community.

We provide technical solutions for global security; engineering and integrating advanced science and technology to help defend and protect the United States.

We partner with the DoD, other federal agencies, and highly qualified industry and university partners to accomplish our missions.



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