

Applied Energetics – Our Technology

Applied Energetics, Inc., formerly known as Ionatron, Inc., is a pioneer in photonic and high-voltage energetics technology. Headquartered in Tucson, Arizona, Applied Energetics is a passionate creative team of scientists and engineers who understand the power and limits of physics and put that knowledge to work, providing unprecedented options and capabilities for customers.

Applied Energetics utilizes its proprietary knowledge of high-performance lasers, high-voltage electronics, advanced adaptive optics and atmospheric and plasma energy interactions to develop cutting edge technologies and innovative solutions for critical military missions.

Founded in 2002, Applied Energetics is the exclusive developer of **Laser Guided Energy (LGE™)** and **Laser Induced Plasma Channel (LIPC®)** technologies. These revolutionary technologies can precisely transmit high voltage electrical charges by using a laser to create a conductive path in the atmosphere. This technique can deliver tailored weapon and countermeasure effects to targets with laser accuracy and manageable lethality, reducing the potential for inadvertent injury and collateral damage. By harnessing the power of a lightning bolt, Applied Energetics will introduce new possibilities for precision, safety and impact, on and off the battlefield.

LGE™ technology has been in development since the Company's inception in 2002, and the Company has protected and controls what it believes to be the enabling intellectual property through approximately 25 approved U.S. Patents and 11 Government Sensitive Classified U.S. Patents.

LGE Test Chamber



Plasma Cathode Test Stand

