

Multi-Billion Dollar “Directed Energy Weapons (DEW)” Market, For Military and “Civilian Use” (?). Were DEWs Used in Hawaii?

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Region: [USA](#)

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Directed Energy Weapons (DEW) constitute a buoyant \$5.3 Billion dollar business (2022) which is slated to increase to \$12.9 Billion dollars by 2027. This profit-driven military-industrial market is dominated by six “Defense Contractors” including Raytheon, Northrup Grunman, BAE Systems (plc), Boeing, Lockheed Martin and L3Harris Technologies.

According to Raytheon:

“The development of directed energy (DE) technology is used to counter the drone threat”.

There are several sophisticated Directed Energy Weapons technologies: High Energy Laser (Hel), High Power Radio Frequency Weapons, Sonic Weapons, Electromagnetic Weapons. (For details see Table below entitled Directed Energy Market Highlights).

While DEWs are largely intended for military use, so-called “non lethal” and/or “less lethal” Directed Energy Weapons are also envisaged for so-called “Homeland Security applications” (See table below).

The Evidence: Were Directed Energy Weapons Used in Hawaii?

Images confirm the extent and nature of devastation and destruction. (see videos below).

They also suggest that the damage incurred was not attributable to “natural causes”.

The evidence suggests that Directed Energy Weapons (DEW) may have been used (yet to be fully ascertained) and that the acts of destruction were deliberate.

Video: Houses are Targeted? Green Trees Remain Untouched

Watch below an aerial footage. The location of this Wildfire remains to be confirmed. It may have been in Southern Oregon. [August 19, 2023]

How is it possible to have totally burned down houses in between undamaged trees?

Burned out houses between green trees? pic.twitter.com/j8OfYh7Oad

— David Wolfe (@DavidWolfe) [August 16, 2023](#)

Video: “Intentional Destruction”?

Note the above CBS report points to “A Wildfire Disaster”.

Thousands of families have lost their homes, burnt to the ground. The devastating impacts resulting from possible DEW attacks are not mentioned.

Entire buildings including homes and businesses razed completely to the ground.

It would appear that the buildings were targeted. Several of the surrounding wooden fences within proximity of the razed houses remain intact.



The official statements point to “Natural Causes”:

“Can you imagine calling up a family that has just seen their home burn to the ground and offering to buy their land for below market value?”

This is apparently happening in Hawaii right now on a massive scale.” [Michael Snyder](#), (August 17, 2023)

Among the six private companies of the military industrial complex, [Raytheon and BAE Systems are also involved in ENMOD technologies](#) on behalf of the U.S. Air Force.

There is a flourishing international market. DEWs are exported Worldwide. There are various technologies including Electromagnetic weapons.

The usage for so-called “Homeland Security applications” includes “non-lethal” civilian applications including Airport protection, riot controls, protection of infrastructure (see below).

A Citizens’ Criminal Investigation?

Are these so-called “non-lethal or “less lethal” DEWs available for acquisition or purchase by private sector and/or governmental entities? Are sales and non-lethal usage of DEWS subject to regulation?

According to MarketandMarkets.com, non military “non-lethal” applications constitute more than 41.2% of the North American market:

“Rising demand for laser weapons for security across land, air, and sea, new development of directed energy weapons, and the adoption of non-lethal weapons are driving the market growth.

A citizens’ investigation is required to establish what is behind this devastating process of destruction in Hawaii and in various parts of America.

Our thoughts today are with the people of Hawaii.

Below is an examination of the Directed Energy Weapons Market by:

[Marketandmarkets.com](https://www.marketandmarkets.com)

[click image below to access the complete document](#)

Directed Energy Weapons Market

HOME › TOP MARKET REPORTS › DIRECTED ENERGY WEAPONS MARKET

Directed Energy Weapons Market by Technology (High Energy Lasers, High-power Radio Frequency, Electromagnetic Weapons, Sonic Weapons), Platform (Land, Airborne, Naval, Space), Application, Product, Range and Region - Global Forecast to 2027

DESCRIPTION

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METHODOLOGY

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[256 Pages Report] The Directed Energy Weapon Market is projected to grow from **USD 5.3 Billion in 2022** to **USD 12.9 Billion by 2027**, at a **CAGR of 19.6%** from 2022 to 2027.

Extensive research into DEW sources and the concurrent advances in beam directing technology have pushed technology to the level where fully configured DEW systems are now being designed and tested for imminent deployment. Advances in material technology, information technology, and space-based capabilities of the 21st century are also providing the right environment for the growing demand for DEW systems. The US Air Force project on airborne laser (ABL) is a classic example of how DEW technology is transforming into a formidable weapon system with hitherto unthinkable military capabilities.

The **Directed Energy Weapons Industry** is diversified and competitive, with the majority of players in the North American and European regions. The market is dominated by companies based on their core competencies. Key players in this market include Lockheed Martin Corporation (US), Northrop Grumman Corporation (US), The Boeing Company (US), L3Harris Technologies, Inc. (US), Raytheon Technologies Corporation (US), and BAE Systems plc (UK).



Restraint: Restrictions on anti-personnel lasers

DEWs are not authoritatively defined under international law, nor are they currently on the agenda of any existing multilateral mechanism. Several legal regimes would apply to directed energy weapons. The prospect of directed energy weapons raises questions for several bodies of international law, most notably those that place restrictions on the use of force. Some DEWs are classified as non-lethal or less-lethal weapons, with proponents setting them apart from lethal weapons. Low-energy laser weapon systems are one of the most controversial topics in defense, as they may be used for anti-personnel purposes. The use of blinding weapons was banned in 1995 by the UN decision (Protocol on Blinding Laser Weapons (1995), annexed to the Framework Convention on Prohibitions or Restrictions on the Use of Certain Conventional Weapons (CCW)). Thus, various DEW systems developed for military application in warfare have not been put into service. For instance, the Active Denial System developed by Raytheon Technologies Corporation was introduced to the US Army. Although the US DoD shipped the ADS to Afghanistan, deployment was halted due to humanitarian laws and other factors. The Joint Non-Lethal Weapons Directorate (JNLWD) of US is currently working on the deployment capability of the ADS without violating international laws.

Based on technology, the high energy laser (HEL) segment register large share in base year

Based on technology, the directed energy weapon market has been segmented into high-power microwave (HPM), high energy laser (HEL), sonic weapons, and electromagnetic weapons. A laser is a device that emits light through a course of optical amplification based on the stimulated emission of electromagnetic radiation. A laser is different from other sources of light as it emits light that is coherent. Spatial coherence allows a laser to be focused on a tight spot, enabling applications such as directed energy weapon systems. A large amount of focused energy is delivered by high-energy lasers to a faraway target at the speed of light, thereby causing structural and incendiary damage. High-energy laser systems use photons, or light particles, to carry out military missions and civil defense. This directed energy technology enables the detection of threats, tracking during maneuvers, and positive visual identification to defeat a wide range of threats, including unmanned aerial systems, rockets, artillery, and mortars. In August 2022, Lockheed Martin Corporation delivered the high-energy laser to US Navy. The high energy laser weapon was installed on warships, which is a 60KW+ laser and is officially known as High Energy Laser Integrated Optical-Dazzler and Surveillance (HELIOS).

Based on Product, the directed energy weapons market is dominated by lethal products

Based on product, the directed energy weapon market has been segmented into two categories, namely lethal and non-lethal weapons. The lethal products focused on military applications include rail guns, electromagnetic bombs (e-bombs), plasma cannons (electrothermal accelerator), **microwave** guns, plasma grenades, navy laser cannons, gun-launched guided projectiles, automatic shotguns, and several others. Huge investments are being made in R&D as well as the demonstration and testing of lethal directed energy weapons.

Directed Energy Weapons Market Highlights

This research report categorizes the directed energy weapon market based on platform, application, range, technology, product, and region.

Segment	Subsegment
By Technology	<ul style="list-style-type: none">• High Energy Laser<ul style="list-style-type: none">◦ Solid-State Laser◦ Fiber Laser◦ Free Electron Laser◦ Chemical Laser◦ Liquid Laser• High-power Radio Frequency<ul style="list-style-type: none">◦ Narrow-band Microwave◦ Ultra-wideband Microwave• Electromagnetic Weapons<ul style="list-style-type: none">◦ Particle Beam Weapons◦ Laser-induced Plasma Channel (LIPC)• Sonic Weapons
By Application	<ul style="list-style-type: none">• Homeland Security<ul style="list-style-type: none">◦ Riot Control◦ Airport Protection◦ Anti-Drug Smuggling◦ Critical Infrastructure Protection◦ Chemical, Biological, Radiological, Nuclear, And Explosives (CBRNE) Defense• Military<ul style="list-style-type: none">◦ Border Protection◦ Tactical Missile Defense◦ Maritime Protection◦ Military Base Protection◦ Anti-ballistic Missile Defense◦ Anti-satellite Missile Defense◦ Command, Control, and Information Warfare◦ Battlefield Air Interdiction◦ Close Air Support

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