



# Laser Weapon

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# Overview

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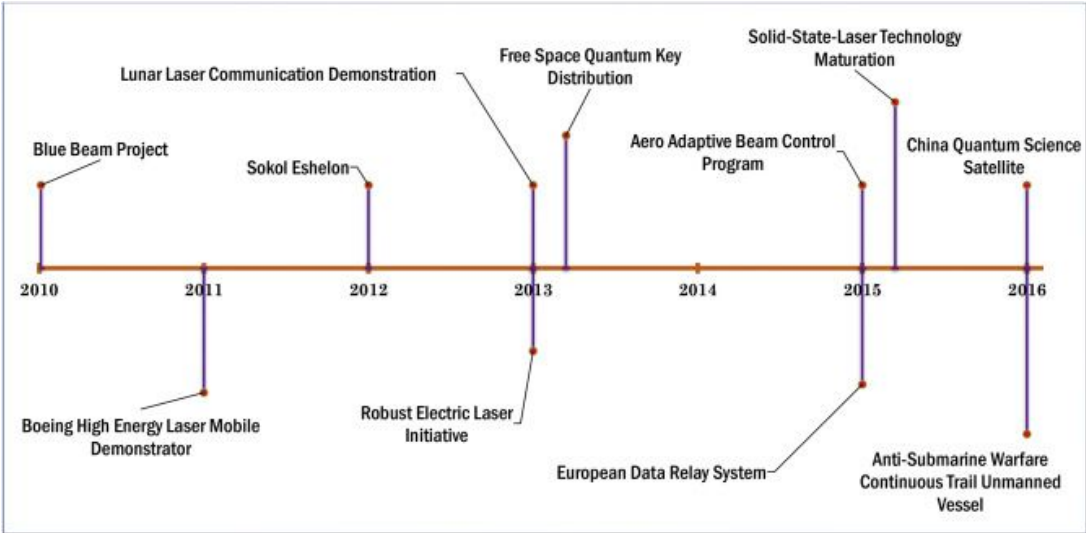
# History

- The first laser was developed in the 1960s
- It represented military warfare
- More lasers were developed in the late 1970s and 1980s
- In 2000, a complete laser weapon system was made
- Dr Theodore Maiman invented the laser weapon
- 2010 is when serious laser projects started



The first laser that was developed in 1960s represented the beginning of a drastic change in how the military viewed warfare. In the late 1970s and 1980s was marked as the busiest time period for developing lasers. In 2000 the Joint Technology Office for High Energy Lasers was formed. It was used to bring all laser technologies together. It developed a complete lasers system that could be used by the warfighter.

Military Laser Projects

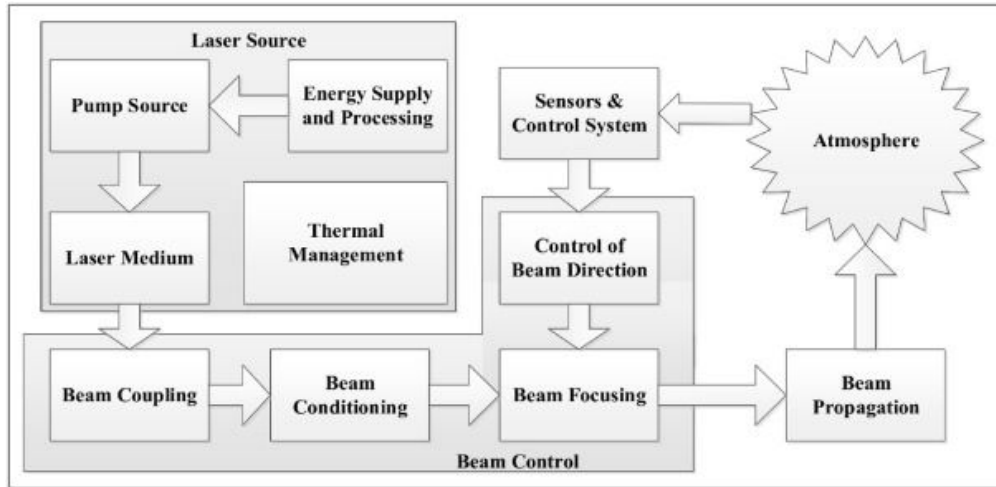


# Implementation



- The U.S navy create the first laser gun
- The Chinese created laser guns in 2018
- Affect everyone everywhere
- The US Navy deployed the first high-energy laser weapon
- The US-Israeli Tactical High Energy Laser (THEL) was used in 2005

The US-Israeli Tactical High Energy Laser (THEL) was used to shoot down rockets and artillery shells before being canceled in 2005. The US Navy also deployed the first high-energy laser weapon, known as LaWS, on the USS Ponce in 2014. The laser guns affected everyone everywhere.



# Pros

- Disable vehicles miles away without death
- Smoke out Terrorists
- Bring down ICBM with no interceptor catching it
- Very fast.. Which improves accuracy
- Both offensive and defensive
- They are low profile
- Helped improve other technology



These are some other uses: indicators & target designators, sensing devices, data relays, active lighting, rangefinders, weather regulators, and directed energy weapons

There are different kinds of laser weapons, some are more powerful, some hit farther distances, some have different wavelengths and affect different things when they hit

# Cons

- Very heavy and big (size of bus)
- Requires tons of power (4 engine jet)
- Wind affects them
- Need to angle shot in front of target
- Need to burn tons of diesel fuel for one shot



Some of the cons about laser guns are they are very large. They are hard to move around and not the most fun to move around. It requires a ton of power, and when things require that much power it's hard to use all the time. The wind also affects them so you have to make sure its not windy. Laser guns just require a lot of work, which isn't the most convenient.



# Summary

A Laser weapon is a directed-energy weapon based on lasers. The U.S Navy deployed the first high-energy laser weapon, known as LaWS, on the USS Ponce in 2014. Lasers started getting developed in the 1960s. That's when the first laser was developed. People started getting more interested in the Laser weapons so in 2000 laser weapons were used to create a laser weapon system that is used by warfare. They are used as weapons for warfare. My opinion on this is that they are very useful weapons. They are very powerful so it doesn't take long for it to do its job, which is what we want. We think that these laser weapons are a great way to deal with conflict. They are harmful to people but they can be effective offensive and defensive.

# Reference

[Information on Laser Weapons](#)

[History of Laser Weapons](#)

[Armies and Laser Weapons](#)

[Russian Plans for Laser Weapon](#)



