



Israel's New Laser Missile Defense System

Why in News?

Recently, Israel has successfully tested a new laser missile defence system, it has intercepted mortars, rockets and anti-tank missiles.

- Israel's [Iron Dome defense system](#) has been a great success, with a 90% interception rate against incoming rocket fire.



What is a Laser Missile Defence System?

- The Israeli-made laser system, known as the "**Iron Beam**", which is designed to complement a series of aerial defence systems, including the more costly rocket-intercepting.
- The Iron Beam's **interceptions are silent, they're invisible.**
 - It is **using Directed-Energy (DE) weapon system** and can go a long way in providing aerial defence.
 - A DE weapon is a system using DE primarily as a direct means to disable, damage or destroy adversary equipment, facilities, and personnel.
- Little is known about the laser system's effectiveness, but it is expected to be deployed on land, in the air and at sea.
- It is an effective, accurate, easy-to-operate tool that is significantly cheaper than any other existing means of protection.

[Source: IE](#)

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