



What Is Iron Dome Built By Israel, It's Success Rate? 7 Questions Answered

The Iron Dome, or Kippat Barzel, is Israel's air defence solution designed to intercept short-range threats, functioning effectively in all weather conditions. It consists of three main components: a radar tracking station, a control centre, and missile batteries.

Authored by: Harshit Seth / Updated Sep 25, 2024

Sirens echoed across Haifa and northern Israel on Monday as Hezbollah launched multiple rockets into Israeli airspace. Videos capturing these rockets being intercepted by the Israeli Defence Force's (IDF) Iron Dome system quickly went viral, illustrating a high-stakes situation that, while visually resembling fireworks, represented a dire matter of life and death. A single failure of the Iron Dome could result in numerous fatalities.

The rocket fire was reportedly a retaliation for the IDF's recent bombing of Hezbollah hideouts in Lebanon, which has resulted in over 550 casualties in that country. The Iron Dome successfully intercepted the majority of these projectiles, showcasing its critical role in Israel's defence strategy. Over the past 11 months, Hezbollah has launched over 8,000 rockets into Israel.

The Iron Dome is a key component of Israel's multi-layered air defence system, which also includes the Arrow-2 and Arrow-3 systems, designed to target ballistic missiles from significant distances, and David's Sling for mid-range threats. **Yehoshua Kalisky from the Institute for National Security Studies** explained that the Iron Dome serves as the final line of defence against incoming threats.

What Is Iron Dome and How Many Missiles Can It Fire?

The Iron Dome, or Kippat Barzel, is Israel's air defence solution designed to intercept short-range threats, functioning effectively in all weather conditions. It consists of three main components: a radar tracking station, a control centre, and missile batteries. The radar identifies incoming rockets and relays data to the control centre, which assesses whether to intercept based on the rocket's projected impact area. If the threat is deemed to be heading for an uninhabited area, interception may be skipped, BBC reported.

Each Iron Dome battery can include three to four launchers, with each launcher capable of firing 20 missiles in just 10 seconds. This rapid response capability is crucial during mass rocket attacks, as noted by Rubin from the Jerusalem Institute for Strategy and Security.

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