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How Israel wants to destroy the Iranian drones

Israel's air defense is world famous, but the high-powered missile shield seems powerless against the Iranian low-cost drones. And could take a German tank as an example.

By Oliver Imhof / 16.10.2024

After Israel had recently almost completely eliminated the leadership of Lebanese Hezbollah, the terrorist militia reactivated on Sunday with a heavy blow: Four Israeli soldiers were killed and 60 wounded in an attack on a base near Binjamina in the north of the country.

It is unclear how Hezbollah managed to overcome the air defense on the base. The attack was apparently carried out with a drone that did not trigger an alarm before its impact. It is unclear what model it was, the militia has a whole arsenal of different types.

These include the Shahed-101, a kamikaze drone that can reach 600 kilometers at a speed of 120 kilometers per hour. Due to its low altitude and small radar cross-section, it is difficult for the enemy air defense to detect it. She also uses the terrain she flies over to hide her trajectory, and her warhead weighs eight kilograms.

Problems in the clarification

In theory, Israel would have had the means to shoot them down. The problem with the attack on the base was obvious because it was not recognized.» Drones are difficult to spot because of their size and speed, says military expert **Yehoshua Kalisky from the Institute for National Security Studies**.

Israel would use radars developed for fighter aircraft and missiles. Smaller, propeller-driven systems could be better acoustically recognized:»

[…]

According to Yehoshua Kalisky, Israel is currently firing 82 percent of the enemy drones:»That's good, but not good enough. With technical innovations, a hundred percent approach could be achieved - but complete protection will hardly be possible.

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