

"revolutionize the way Israel handles Hamas strategic weapons."

The IDF has been having trouble with the tunnels ever since Hamas grabbed power in Gaza. A 2007 state comptroller's report cited an "ongoing failure in dealing with the problem of the tunnels" after 17 soldiers were killed either directly or indirectly by activity from the Gaza tunnels. The report said that all previous attempts to respond to the threat were flawed.

Besides a system to detect tunnels that are already present, the IDF has worked hard to develop a technology to detect the digging of new tunnels. This system may already be operational by the IDF.

The system is codenamed *Mispar Chazak*, "Strong Number," and it is reputed to feature brand new technology developed by three soldiers in the Talpiot program. *Mispar Chazak* has been in development since sometime in 2010.

The innovative new system reportedly involves fiber-optic technology and works by placing "geo-phones" five feet deep in the ground. These geo-phones measure energy waves in the earth and are equipped with acoustic components taken from sensors used by the navy, as well as from devices used to search for oil. The sensitive instruments are then able to detect digging activity in their vicinity.

The system underwent rigorous testing in 2012 near Kerem Shalom, and has been praised by military officials as "impressive" and very accurate.

The *Mispar Chazak* system was originally planned to be deployed along a six-mile stretch of the Gaza border, with a second-phase expansion to 34 miles.

G-d willing, these and all of Israel's defenses will continue to be successful in protecting, *b'ezras Hashem*, the Jews of *Eretz Yisrael* from their implacable foes. ■

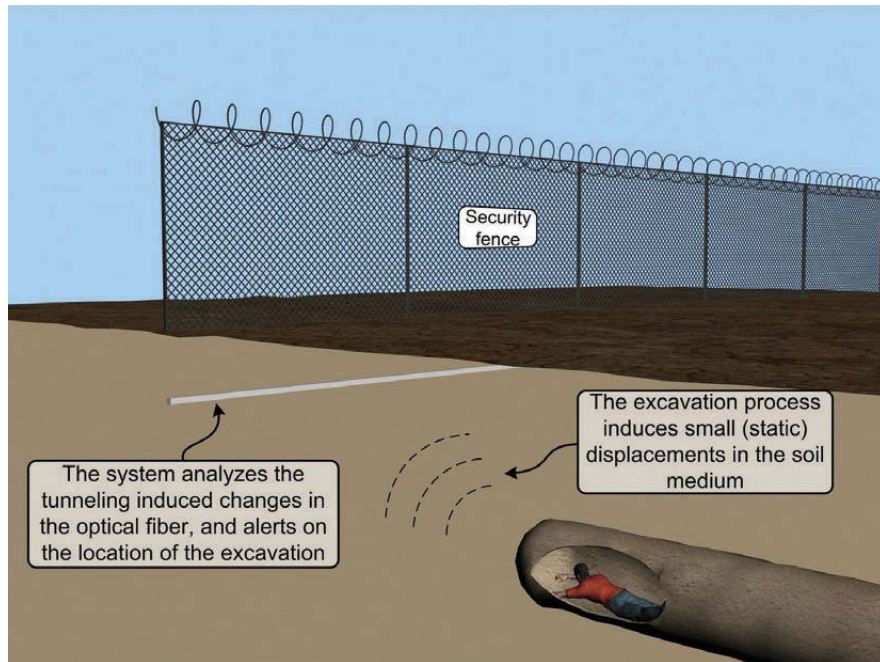


Diagram showing what we know about the tunnel-digging detection technology Israel is developing, which uses underground fiber-optic sensors.

Beware the SPYDER's Web...

If an enemy aircraft enters Israeli airspace there will be a surprise lying in wait for it: the SPYDER.



If you are an enemy aircraft flying toward or over Israel, be careful: There is a big, bad SPYDER waiting for you.

SPYDER is Israel's state-of-the-art surface-to-air missile system. Surface-to-air missiles, otherwise known as SAMs, were proposed as early as 1925 and used in World War II. SAM technology has been so important at times that by itself it had the potential to change the course of major wars, including World War II (in favor of the Nazis) and the Yom Kippur War (in favor of the Arabs).

It was none other than Albert Speer, Hitler's Armaments Minister, who said after the Second World War that had Hitler allowed Nazi scientists to develop the

Wasserfall, Nazi Germany's surface-to-air missile, it would have changed everything. As Speer explained, Germany lost because the Allies were able to bomb German cities and factories relentlessly into submission. Had Hitler authorized him to mass produce the *Wasserfall* the Germans would have been able to counter and repel Allied air superiority, thus altering the course of history. Instead, *hashgachah* saw to it that the Fuhrer put his faith and limited funding into the wrong superweapon, the V-2 "Vengeance" rocket, and that, according to Speer, sealed Nazi Germany's fate.

In the Yom Kippur War, Israel discovered to its chagrin that its air force was neutralized by a revolutionary, advanced version