

8,019 sq. miles
9.038 million
people

18.823 million
people
in NYC



Disaster Preparedness in Israel 2022



Vered Kater



DISASTERS in ISRAEL

Rockets & Bullets



Crowd Crushes



Terrorists



Traffic accidents

& MORE ??



Flash floods

Forest fires

Sink holes

17 WARS 1948-2022-----

Arab–Israeli War (November 1947– July 1949)

Palestinian Fedayeen insurgency (1950–1960)

Suez Crisis (October 1956)

Six-Day War (June 1967)

War of Attrition (1967–1970)

Yom Kippur War (October 1973)

Palestinian insurgency in South Lebanon (1971–1982)

Lebanon War (1982)

South Lebanon conflict (1985–2000)

First Intifada (1987–1993)

Second Intifada (2000–2005)

Lebanon War (summer 2006)

Cast Lead Gaza War (2008 –2009)

Operation in the Gaza Strip (winter 2012)

Gaza War or Operation Protective Edge (July–August 2014)

Operation Guardian of the Walls (May 2021)

Breaking Dawn (August 2022)



Competent Disaster

Preparedness needs four C's



Coordination

Cooperation

Courage





HOW



*The world
will **NOT** be
destroyed by those who do evil,
but by those who watch **WITHOUT
DOING ANYTHING***



- IDF Israeli Defense Forces
- The National Jeep Unit for Rescue
- Rescue Team First Aid in Israel
- River rescue organization
- Zaka – search and rescue
- Unit 669 Airborne Combat Rescue



and Evacuation



- Magen David Adom
- Israel's Volunteer Search and Rescue Team
- Psycho-Trauma Unit. Home Front Command
- Natal Israel Trauma and Resiliency Center
- and many more -----



Fatalities in traffic accidents 10.8 accidents per 100,000 vehicles (2017)
in 2021 there was a 20% increase



INCREASE

SOLUTIONS ???

Forest Fires



HYDROP



Grazing herds



Firebreak trees

Health Disaster COVID Epidemic

Solutions; Education, Isolation & Vaccination

Israel *Holland* *America*

2 nd dose	83.7%	76.8	79.1%
1 st dose	91.3%	71.9%	64.4%



In America 99% recovered

92,602,975

In Israel 99.7% recovered

4,616,308



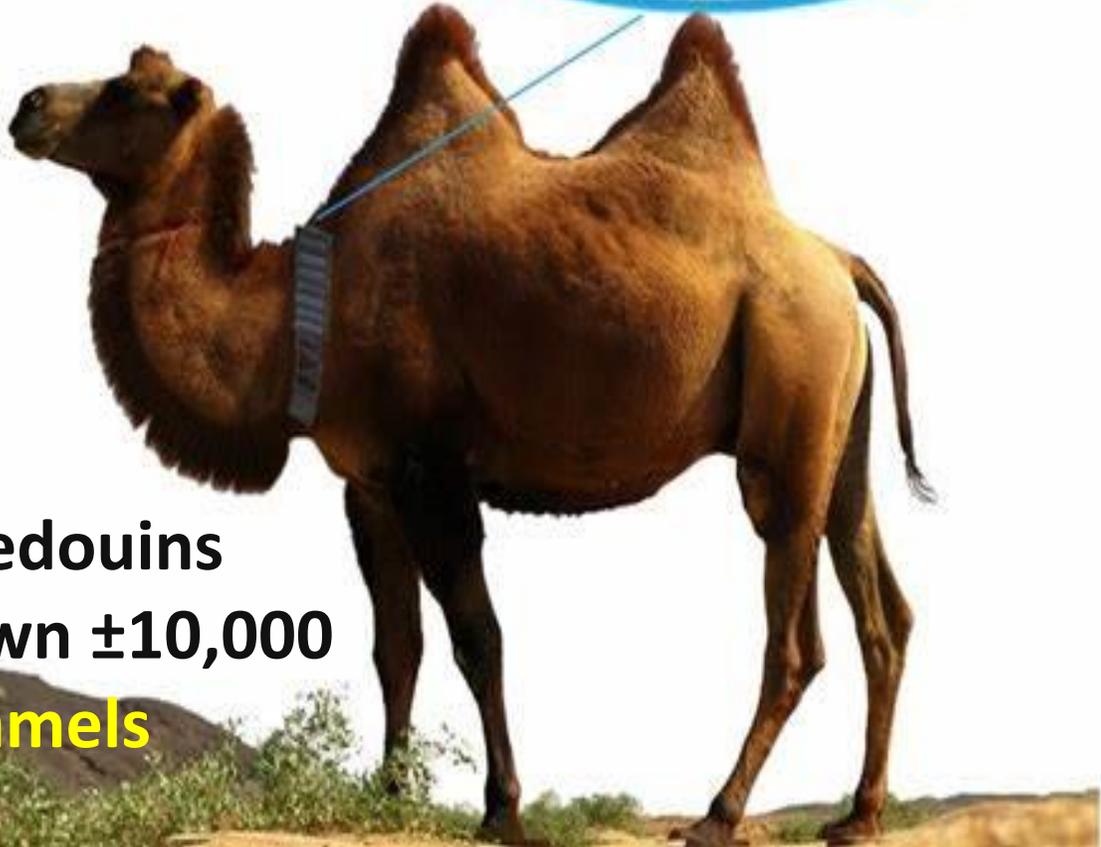
Keeping a safe distance (education), synagogue prayers

Camel Disasters, ± 1000 a year

***1 Camel
costs
\$2,344 -
\$2,930***



Camel Collar with a solar GPS tracker



Bedouins
own $\pm 10,000$
camels

Invented by Ludmer and Sayed

GPS beeps when a camel is
328 feet away from the car



Crowd Crushes

The wedding hall floor
collapsed
23 dead,
380 wounded (2001)

The bleachers
collapsed 45 dead
>150 injured (2021)



***Increase
Safety Rules
Inspections
&
Punishment***



Sinkholes

Parking lot in Jerusalem

3 cars disappeared August 2022



Main Road to TLV September 2022

Prevention; better drainage systems, replacements of pipes

Teenagers were suddenly swept away in a **flash flood** in the Negev desert, 10 died (2018).

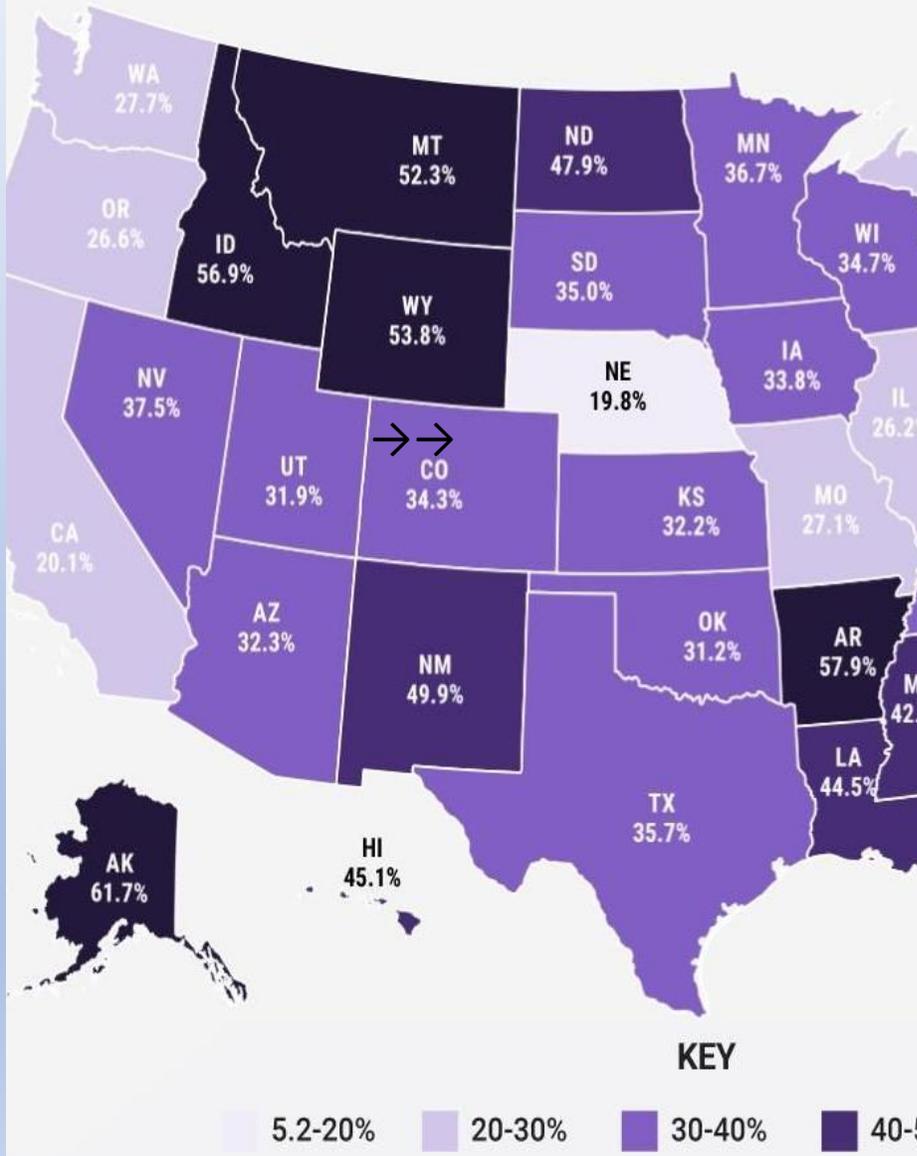
Solution;
listening to weather forecasts



In the USA "it is a person's basic right to own a gun"

2.5% of the population own & have permits to carry firearms in Israel

Estimated 47% OWN GUNS





First day at kinder garden



Training



Choosing

Hadera, March 2022;
Two gunmen opened fire on a bus, killing two and injuring five.



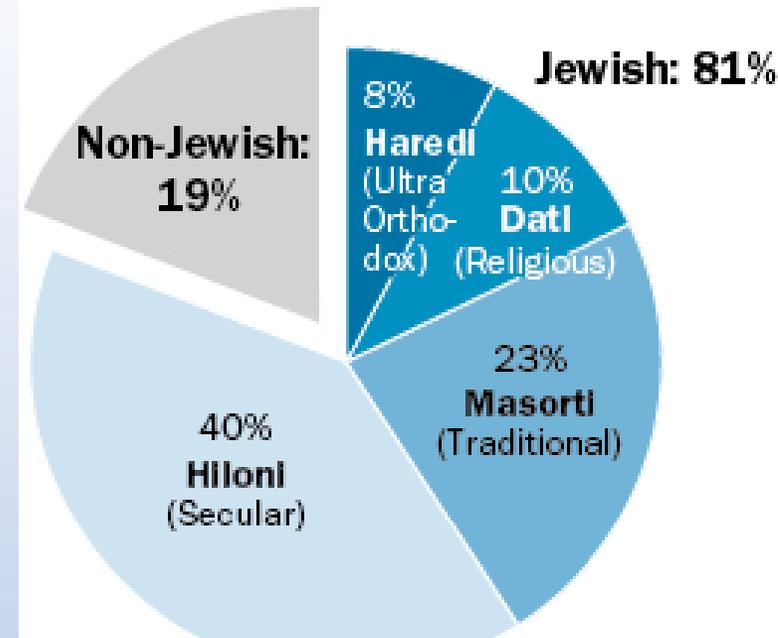
Two friends were enjoying dinner. *They both carried a gun, got up, and killed the terrorist*

**1 month later Israel
demolished the house
of Diaa the terrorist**





All citizens are required to serve in the **Military**.



Israeli Arabs and religious women can choose to serve.

BENEFITS

Free healthcare

Free public transportation

Study grants





AIR FORCE
GROUND FORCE
MEDICAL FORCE
-----Force



SPECIAL FORCES
ISRAEL"

Sayeret Duchifat
Yamas
Dror
Nachson
many more-----

Mossad (1949) National intelligence agency of Israel

Aman (1950) military intelligence

Shin Bet (1949) Internal Security Services, intelligence gathering, combating terrorism, cybersecurity within Israel.



***They thwarted
560 terror attacks
in 2020***





Medical Corps



Air force



Paratroopers

33% of our soldiers are women
51% of army officers are women

**Medical Army unit,
exclusively
helping Palestinians
to cope with disasters**



UNIT 669
Search and Rescue
Civilians and Soldiers
after a disaster



The canine unit



**Combat,
Explosives
&
Rescue**

**Dogs
serve 7-8
years**



To the cemetery





September 9, 2022
arresting, in time, a
17-year-old terrorist

His weapon



Civilian Police
Force on land
and in the air



National Cyber Directorate (Israel)

Terrorist attack near the International Convention Center in Jerusalem (March 23, 2011)

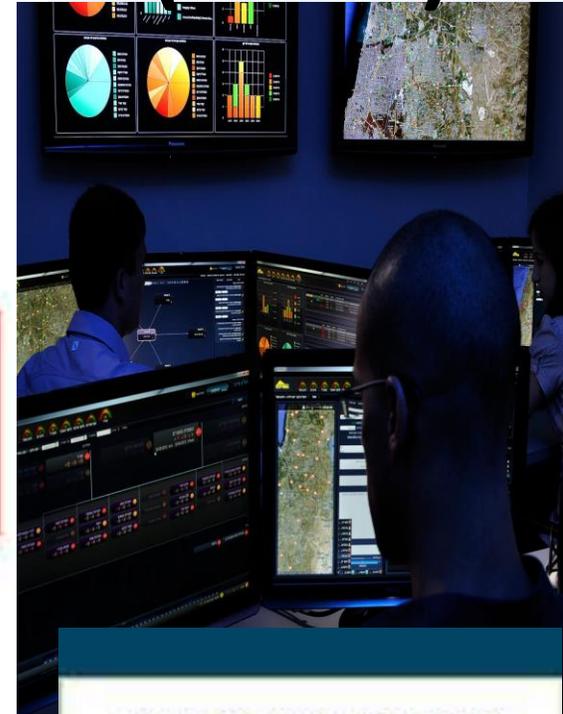
Ras al-Amud, where the explosive bag for the suicide bombing attack was concealed (August 20).

Plan to carry out a suicide bombing attack in Pisgat Ze'ev (August 21, 2011)

IED and substances for IED seized on August 21, 2011

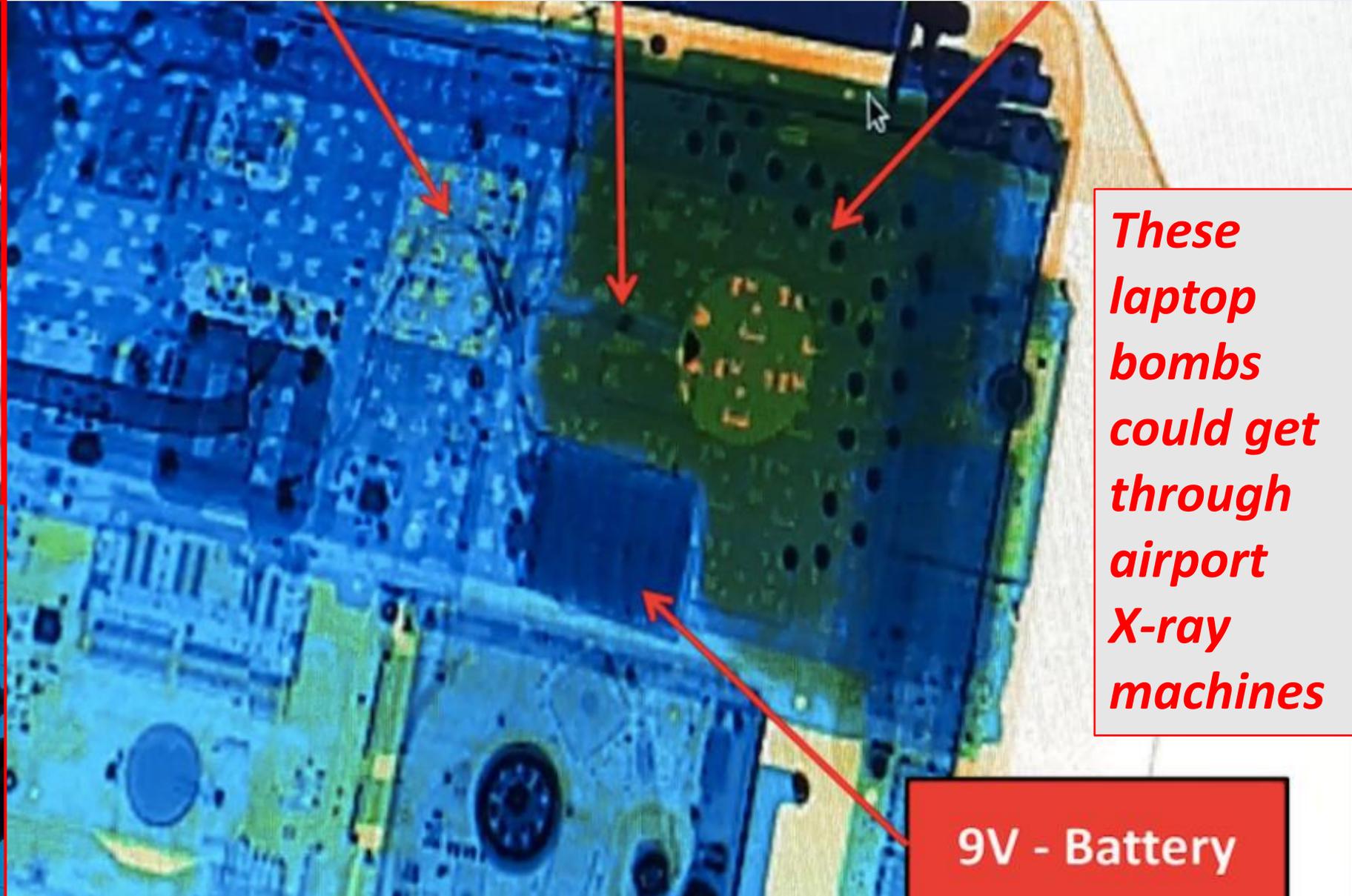
A suicide bomber detained on Temple Mount (August 22, 2011)

Surveillance near Gush Etzion for a potential kidnapping

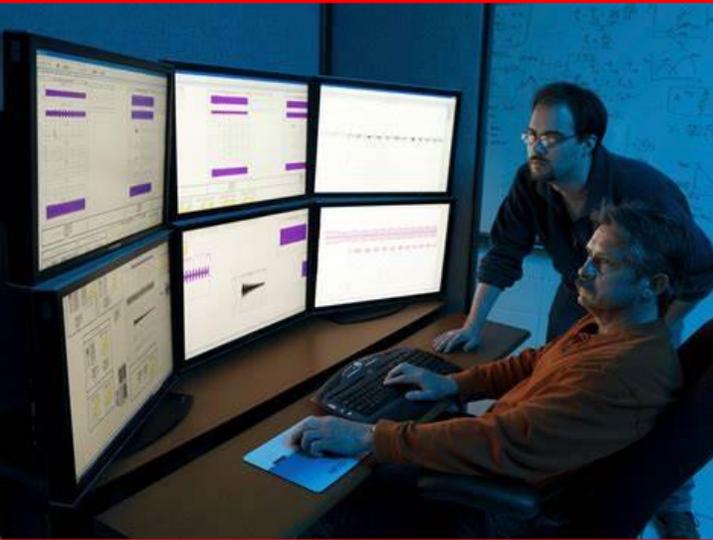


GUIDELINES FOR
ISRAEL'S
NATIONAL
SECURITY
STRATEGY
GADI EISENKOT
GABI SIBONI

Israel hacked ISIS cell to uncover a laptop-bomb plot to down international flights (2017)



These laptop bombs could get through airport X-ray machines



9V - Battery

Protecting the Soldiers

Kamikaze-type drones can linger up to 3 days above enemy targets and crash into them with a powerful warhead attached to their nose.



Unmanned vessels can launch missiles, to protect our coast



Releasing above enemy territory



Light weight vests



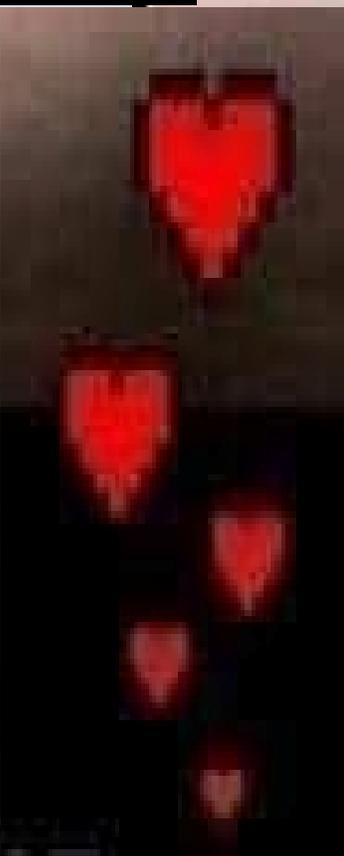
THE FUTURE

New Loyal Wingman that carries missiles and guns.

These are being built by Boeing in Australia,

they fly without a human pilot and move like a jet in a video game.

TO MAKE A DIFFERENCE
IN SOMEONE'S LIFE, YOU
DON'T HAVE TO BE BRILLIANT,
RICH, BEAUTIFUL, OR PERFECT.
YOU JUST HAVE TO CARE





**Soldiers
distributing
oxygen and
food parcels
(1,610,000 in
2021)**



Being Prepared & Not Scared



Practice makes Perfect



Drill
in a
school





Italian firefighters at a disaster preparedness exercise in Israel (2021)

Sharing Knowledge

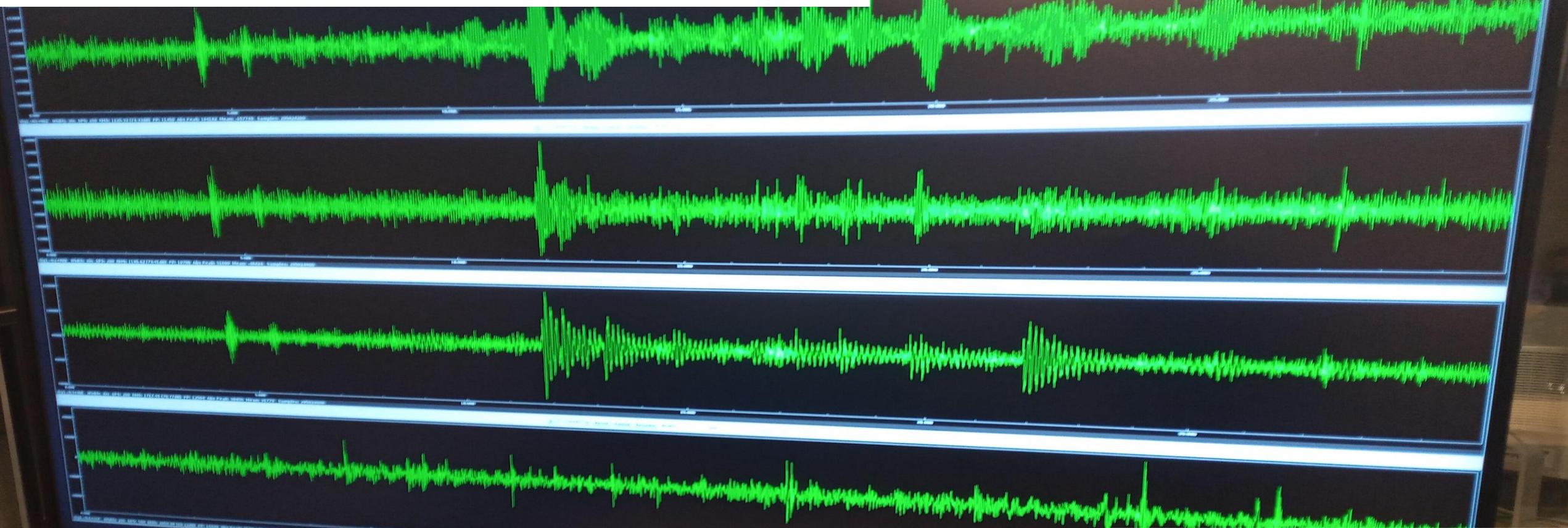


Ukrainian Professionals learning Treatment of trauma victims



Jerusalem 2022

We are prepared (120 seismic stations)



*Coordination, Cooperation, Courage,
Israel, Jordan, and the West Bank
are due to hold exercises together,
related to earthquakes in 2023*



“Breaking Dawn” August 5, 2022

Following a wave of near-daily attacks inside Israel, by the JIHAD.





**Playing
in a
safe place**

*Only 875
yards of
open fields
separate
Nahal Oz
from the
Gaza Strip*

**1,175 rockets,
in 3 days,
from Gaza**



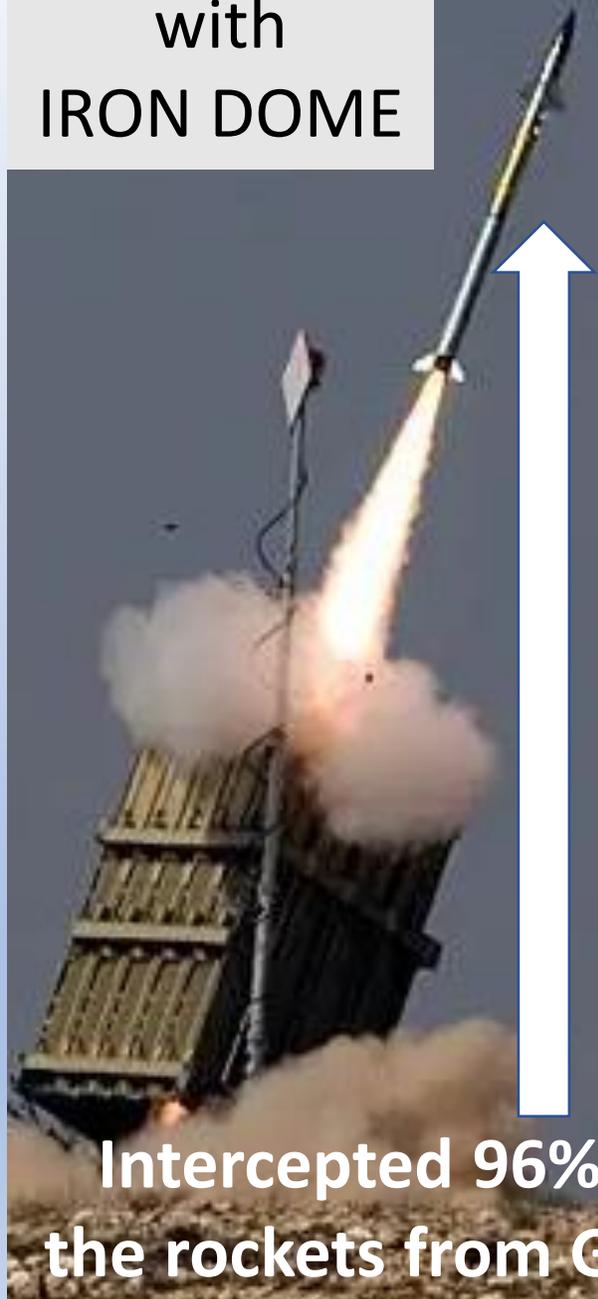
*Israel
strikes back*



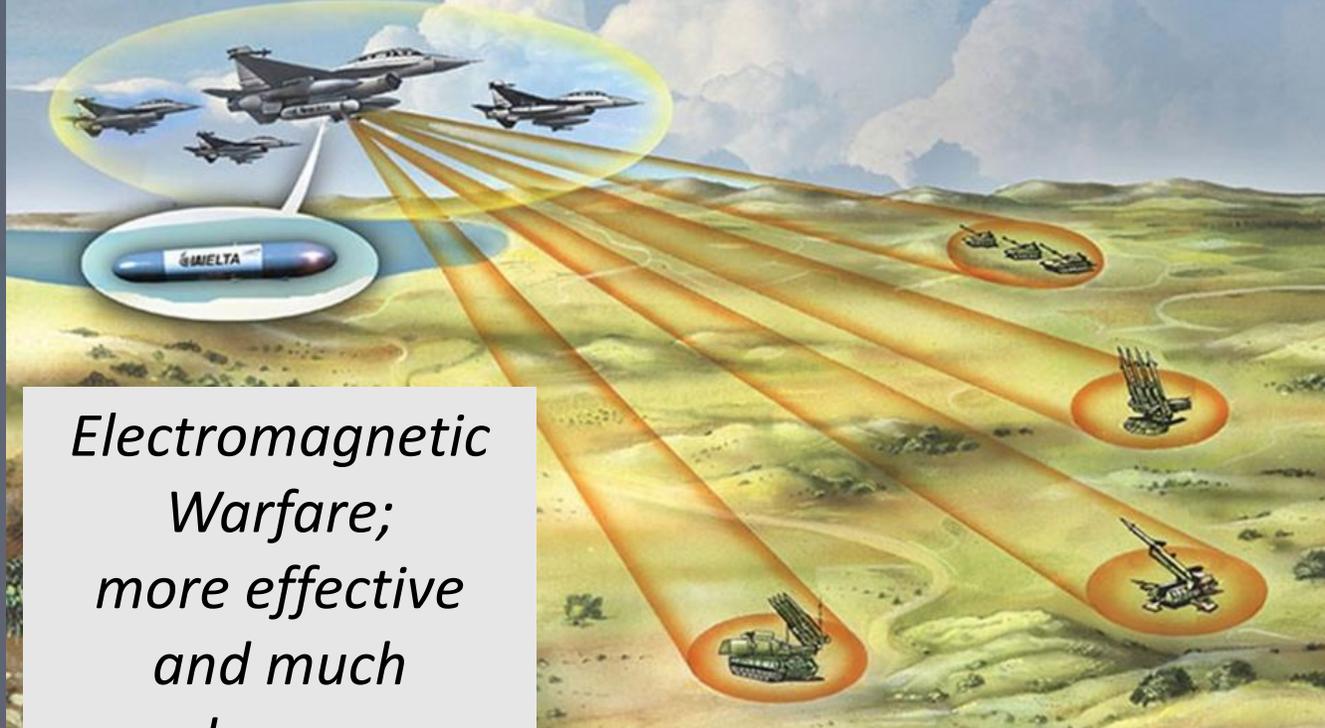
**20% of Jihad's
rockets fell outside
their goal
Damage in the city
Ashdod**



Defending with IRON DOME

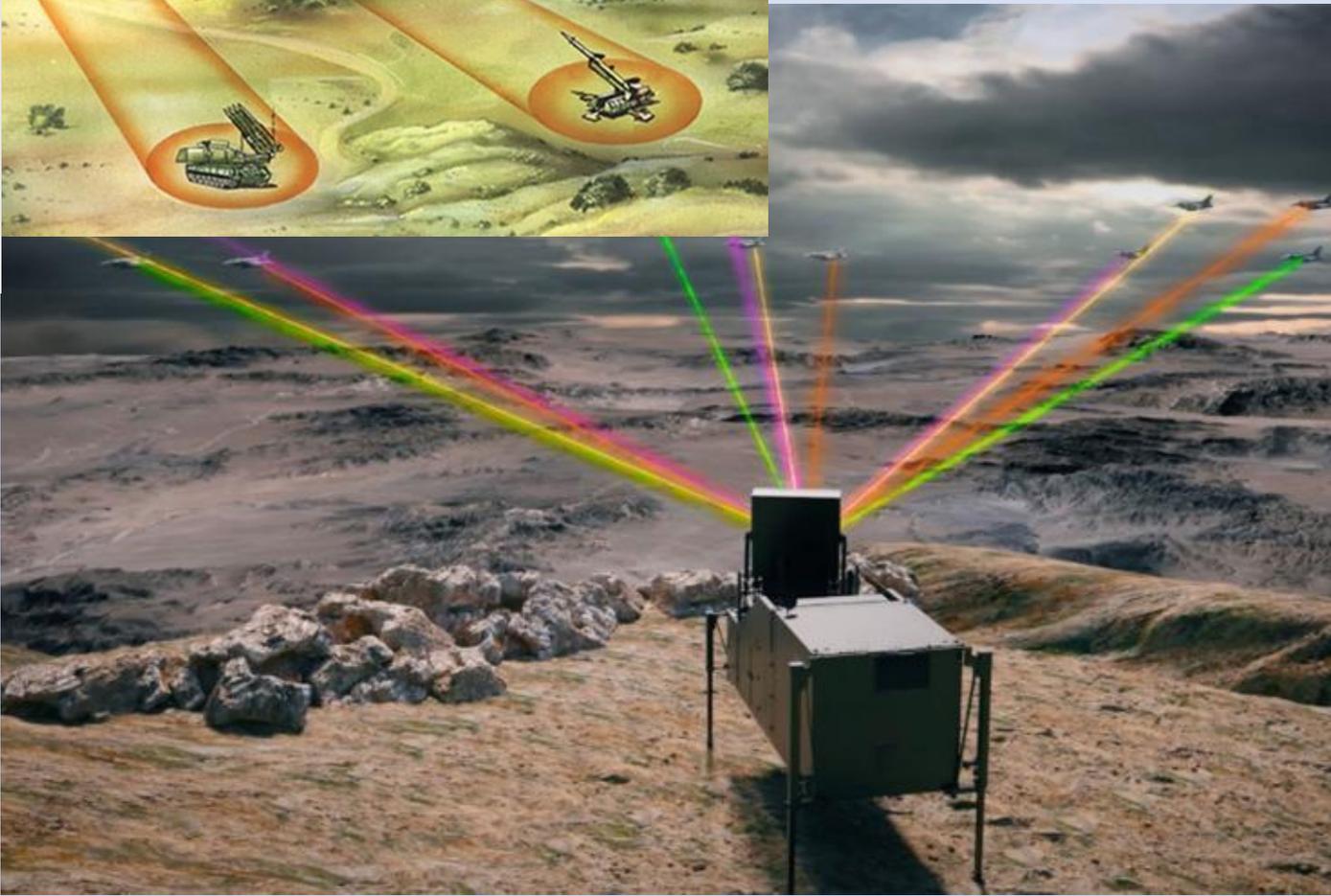


Intercepted 96% of the rockets from Gaza



Electromagnetic Warfare; more effective and much cheaper

“Scorpius”
”Light Shield”
estimated time of delivery is 3-5 years.





[“And they shall beat their swords into plowshares”](#) (Isaiah 2:4)

Menorah sculpture in Sderot, made of missiles fired from Gaza (>20,000 in the last 14 years).

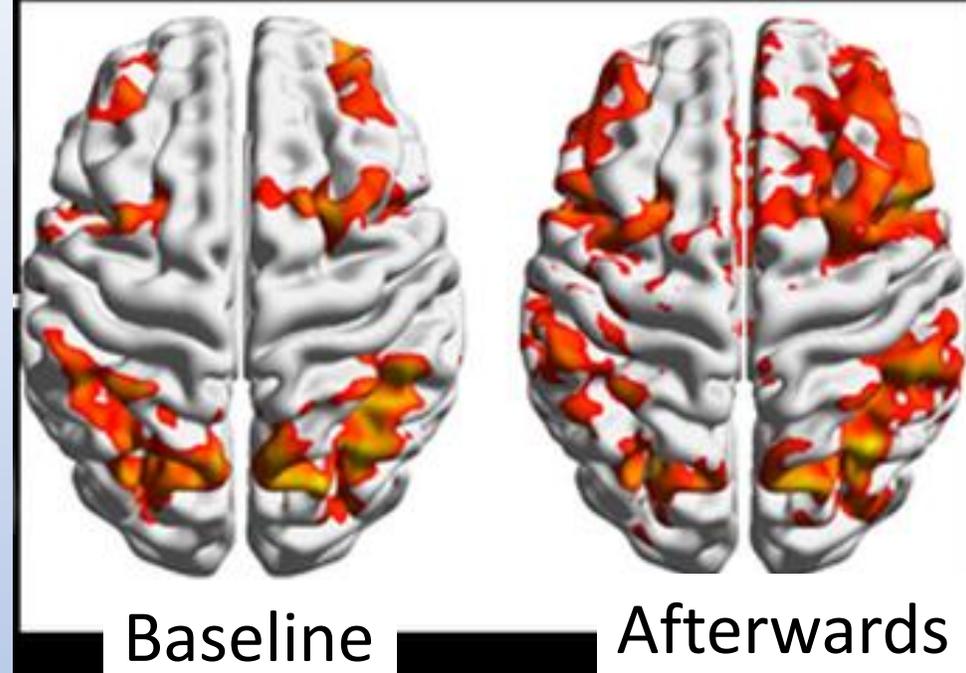


Roses created from rockets



Jaron Bob

Tel Aviv University (2022) opened a center for basic research and clinical sciences related to Traumatic STRESS & RESILIENCE



Hyperbaric Oxygen (HBO) treatment is 50% successful for PTSD



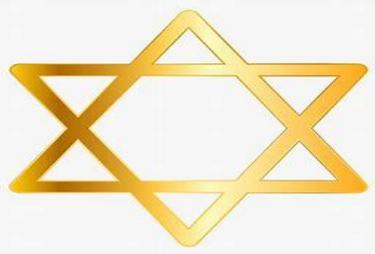
Worldwide 2-17% of soldiers who participated in combat suffer from PTSD, in Israel 1.5%





**PTSD
service animals**

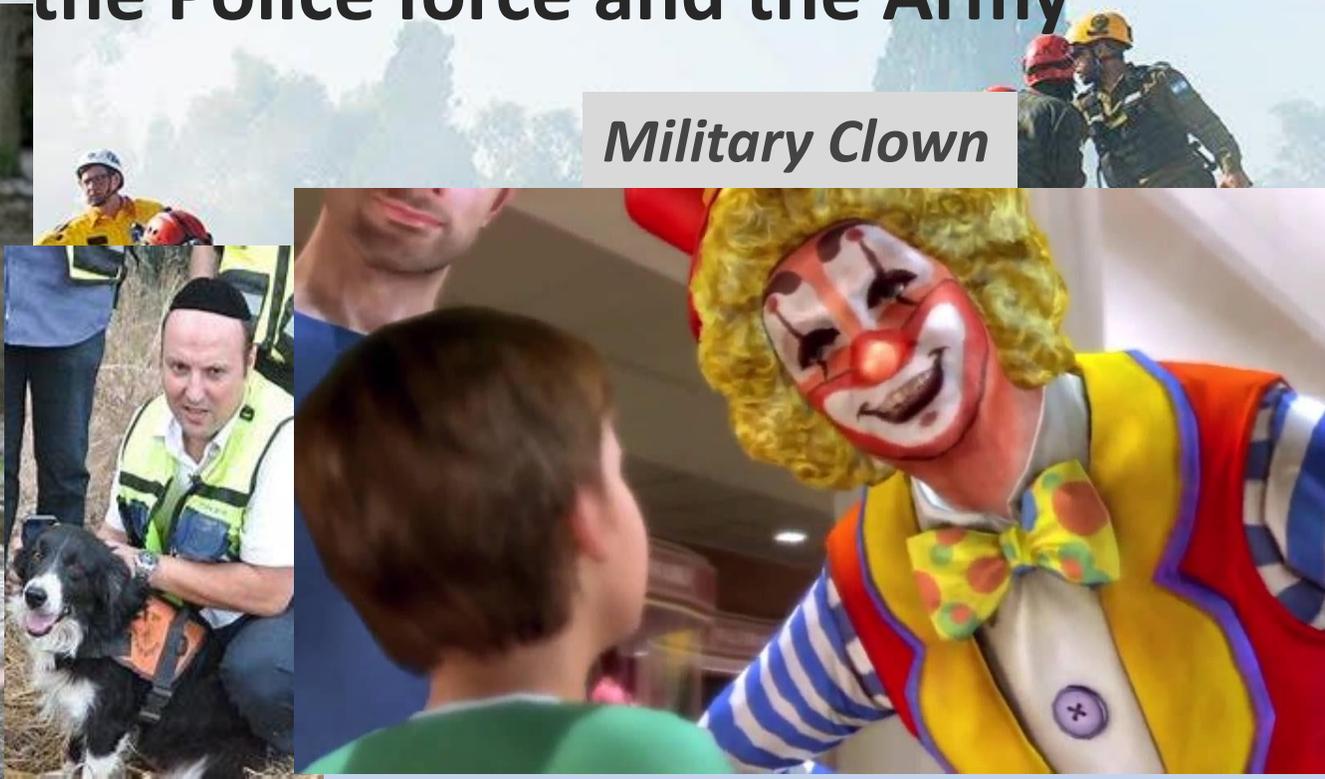




ISRAEL RESPONDS TO DISASTERS

Volunteers in other countries

Search and Rescue Teams are specialist units within the Police force and the Army



Military Clown





**Looking
out
for
each
other**



**Flood, 101 people were killed.
“Mud Angels” from Israel rescuing a
Michelangelo painting. Florence 1966**



Floods in Wimberley, Texas 2015



Haiti 2016



Hurricanes

Florida 2022



Honduras 2021





Mexico City 2018



Earthquakes



Italy 2017



Nepal 2015



Greece 1999





Israel
in
Ukraine
2022



*Thank you
for
Listening*