

ISRAEL INTELLIGENCE & OTHER HIGH TECH INITIATIVES

Israeli Army Sets Up 'Consciousness Ops' Unit to Influence Enemy Armies, Foreign Media and Public Opinion | With eye on hearts and minds, Israeli army sets up a new 'soft power' psychological warfare unit

<https://www.haaretz.com/israel-news/with-eye-on-hearts-and-minds-israeli-army-sets-up-consciousness-ops-1.5888362>

[Jeremy Rothe-Kushel] PsychWar (Logic/Graphic/Metric) in an Age of Cambridge Analytica type "Con-OPS" <https://youtu.be/cw-7by75nNs>

The Centre for Consciousness Operations (Hebrew המרכז למבצעי תודעה), abbreviated Malat (מל"ת) is an IDF Operations Directorate unit which specializes in psychological warfare.

https://en.wikipedia.org/wiki/Center_for_Consciousness_Operations

Gideon's Spies: The Secret History of the Mossad by Gordon Thomas

<https://www.amazon.com/Gideons-Spies-Secret-History-Mossad/dp/0312252846>

[Hasbara] The Complete History of Israel's Intelligence Community: Mossad, Aman, and Shin Bet (1990) https://youtu.be/JqByZjhDL_8

[Book] Every Spy a Prince: The Complete History of Israel's Intelligence Community Hardcover [1990] by Dan Raviv (Author), Yossi Melman (Author)

<https://www.amazon.com/Every-Spy-Prince-Intelligence-Community/dp/0395471028>

The Directorate of Military Intelligence (Hebrew: אגף המודיעין, Agaf HaModi'in – lit. "the Intelligence Section"; Arabic: الشعبة الاستخبارات العسكرية), often abbreviated to Aman (Hebrew: אָמ"ן; Arabic: أمان), is the central, overarching military intelligence body of the Israel Defense Forces. Aman was created in 1950, when the Intelligence Department was spun off from the IDF's General Staff (the Intelligence Department itself was composed largely of former members of the Haganah Intelligence Service). Aman is an independent service, and not part of the ground forces, Navy or the Air Force.

It is one of the main entities (and the largest component) of the Israeli Intelligence Community, along with Mossad and Shin Bet. It is currently headed by Major General Herzi Halevi. It includes the cyberwarfare branch Unit 8200 and the training course Havatzalot Program. Its special forces unit is Sayeret Matkal.

[https://en.wikipedia.org/wiki/Military_Intelligence_Directorate_\(Israel\)](https://en.wikipedia.org/wiki/Military_Intelligence_Directorate_(Israel))

Mossad (Hebrew: המוסד, IPA: [ha mo¹ sad]; Arabic: الموساد, al-Mōsād, IPA: [almo:¹ sa:d]; literally meaning "the Institute"), short for HaMossad leModi'in uleTafkidim Meyuḥadim (Hebrew: המוסד למודיעין ולתפקידים מיוחדים, meaning "Institute for Intelligence and Special Operations"), is the national intelligence agency of Israel. It is one of the main entities in the Israeli Intelligence Community, along with Aman (military intelligence) and Shin Bet (internal security).

Mossad is responsible for intelligence collection, covert operations, and counterterrorism. In contrast to the government and military, the goals, structure and powers of the Mossad are exempt from the Basic Laws of Israel. However, its activity is subject to secret procedures that have never been published. Its director reports directly to the Prime Minister. Its counter-terrorist unit is known as Kidon. <https://en.wikipedia.org/wiki/Mossad>

Unit 81 (Hebrew: 81 יחידה) is the military intelligence technology unit of Israel's Military Intelligence Directorate (AMAN). It focuses on supplying the newest technology to Israeli combat soldiers.[1] It is more secretive than the related Unit 8200.[2] https://en.wikipedia.org/wiki/Unit_81

Why spies make the best entrepreneurs | Once we account for the relative success of "Startup Nation" two new contenders for "Startup U" begin to emerge – Israel's elite 81 and 8200 units; military intelligence detachments responsible for signal intelligence, code decryption and tech-enabled ordnance. In other words: cyber spies. ...

Given that the entire 8200 numbers fewer than 5,000, that yields a level of selectivity greater than Harvard, Yale, Princeton, MIT, Caltech or Stanford. Furthermore, while exact figures are unknown, Unit 81 is reported to be even more discerning. – Business Insider 2016 <http://read.bi/2bLKsvl>

Meet the Shin Bet's cyber warriors | "D.," the head of one of the division's branches, is 37, married and the father of four. He served in the IDF as part of the combined military/yeshiva program, studied computer science at Bar-Ilan University, worked at an international hi-tech company, and only then move to the Shin Bet. ...

The Shin Bet's growing team of cyber warriors – as of a year ago their numbers had grown from being in the single digits of the agency's personnel to around a quarter of them – is competing against opponents who are ever more "agile, flexible in their methods of operation and diversified in their execution capabilities." – Jerusalem Post 2018 <http://www.jpost.com/Israel-News/Meet-the-Shin-Bets-cyber-warriors-540507>

Introducing: digital warfare through the IDF's new intelligence unit | With a 'civilian startup's culture,' the IDF Military Intelligence Directorate's Unit 3060 develops apps to make the most classifieds items of intelligence accessible to commanders on the ground in real-time; some of the unit's developments include an app allowing commander to select the safest route of advancement and a system producing video clips from drone. 'They identify problems before the field does,' says officer. ...

The "products" produced by the unit constitute a significant leap in making real-time intelligence easily accessible to military commanders, in bolstering security on the borders and in facilitating more efficient ground maneuvers based on the fusion of information, image processing, the use of artificial intelligence, swiftly displaying information using combined intelligence sources including drones and satellites, human espionage, recording, listening or tracking devices planted on enemy units and openly available intel taken from social

media or newspaper outlets. – Ynetnews 2018

<https://www.ynetnews.com/articles/0,7340,L-5066737,00.html>

“[I]n Tel Aviv, the youth breathe tech: kindergarten kids in some schools learn computer skills and robotics, talented 10th-graders learn to code and stop hacking, and university students dream of launching their own startup. ...

For a country that is just 60 years old and with a population of just 7.1 million, Israel boasts of having the most NASDAQ-listed companies outside America. It also has more high tech startups per capita in the entire world, at 5,500. ...

There are various factors that have contributed to Israel’s rise in cybersecurity – like culture and mandatory military service – but one major driver is the government and its role in not just encouraging startups, but also financing them.

The Israel Innovation Authority for instance, is a government arm under the Ministry of Economy, that is responsible for encouraging innovation and entrepreneurship while stimulating economic growth.

Former Apple Israel chief and now head of the Innovation Authority Aharon Aharon, said the government spends 4% of its GDP on supporting startups.

“We invested about \$500 million in 2017 on innovation and supporting companies. We have a professional evaluator to check out cyber companies applying for government funding,” he said,

“We invest in mobile, cyber, robotics, food tech, big data, electronics, machine learning and more. We fund all technologies and at all stages of innovation, from startups to large companies.”

There are also the likes of Cybergym – half-owned by the Israeli government’s Israel Electric Company – a cyberdefense organization that trains companies and even governments around the world on how to protect themselves from cyber attacks.

Cybergym CEO and co-founder Ofir Hason said it counts the governments of Lithuania and Australia as some of its clients, and has managed training in Portugal, New York, Australia, and Japan, among others.” – RAPPLER 2018

<https://www.rappler.com/newsbreak/in-depth/195653-revenge-porn-hackers-cybercrime-cybersecurity-ph-israel>

Jerusalem Startup City – OurCrowd TV 2018 https://youtu.be/l_XljKS_X5A

Jerusalem of tech: How the capital has given Tel Aviv a run for its start-up money | The sleepy capital is becoming a hi-tech hub to be reckoned with. – Jerusalem Post 2017

<http://www.jpost.com/In-Jerusalem/Jerusalem-oftech-478258>

How Jerusalem is seeking to become Israel's new 'start-up city' | The Jerusalem Development Authority is committed to strengthening hi-tech in the capital. – Jerusalem Post 2016 <http://www.jpost.com/Business-and-Innovation/Tech/Israels-Start-up-City-472958>

Tiny IDF Unit Is Brains Behind Israeli Army Artificial Intelligence | The operational research unit of the Military Intelligence Unit — the software unit of the Israeli army's J6/C4i Directorates Lotem Unit — doesn't look like the kind of place where state-of-the-art artificial intelligence is being put to work. ...

But the unit is engaged in the same kind of AI work that the world's biggest tech companies, like Google, Facebook and China's Baidu are doing in a race to apply machine learning to such functions as self-driving cars, analysis of salespeople's telephone pitches and cybersecurity — or to fight Israel's next war more intelligently. – Haaretz 2017 <https://www.haaretz.com/israel-news/tiny-idf-unit-is-brains-behind-israeli-army-artificial-intelligence-1.5442911>

9900: The Israeli Satellite Intelligence Unit | “[M]odern battles are decided by the minds of inventors and developers of advanced technologies, allowing for the implementation of new combat techniques that were considered science fiction only a few decades ago.” The existence of the covert intelligence IDF unit 9900 supports this theory. The unit is referred to as “nine nine-hundred”, or officially as “the satellite unit” within the “visual intelligence formation”, part of the Intelligence Division. ...

9900 supplies real time information to all levels of the establishment: The political leadership, top military decision makers, battalion commanders and even smaller units. Since 9900 can monitor distant countries most of the demand for its information comes from the defense establishment. The unit's commander explains: “Information is sent out immediately after the request is received. We instantly aim a satellite camera at the requested zone. Since Israel has 10 satellites, each one orbiting the earth every hour and a half or so, we effectively have worldwide coverage. An Elbit system, for example, synchronizes surveillance activities in a certain order, and that's how we receive real time information.” – iHLS 2013 <https://i-hls.com/archives/22809>

The Israeli Army Unit That Recruits Teens With Autism | Many autistic soldiers who would otherwise be exempt from military service have found a place in Unit 9900, a selective intelligence squad where their heightened perceptual skills are an asset. – The Atlantic 2016 <https://www.theatlantic.com/health/archive/2016/01/israeli-army-autism/422850/>

IDF prepares for its new high-tech home in southern Israel's 'Silicon Wadi' | The IDF is gearing up for a major relocation to southern Israel, where it plans to create new environs replete with academia and high-tech firms, and to give a significant boost to the Be'er Sheva area.

“We are following the vision of [Israel's first Prime Minister David] Ben-Gurion. We are moving the best people to the Negev,” said Lt.-Col. Itai Sagi, who heads the branch responsible for establishing the IDF's C4i (command, control, communications, computers,

and intelligence) and Cyber Defense campus. “Next to me are the university and tech companies, with their own labs. We are creating a very significant ecosystem.” ...

The ongoing effort to transform southern Israel into a technology hub has been described as “Silicon Wadi.” A three-way synergy between the private sector, the university and the IDF will presumably put Be’er Sheva on the map of competitive technological development, the military believes. – Jewish News Syndicate 2018

<https://www.jns.org/idf-prepares-for-its-new-high-tech-home-in-southern-israels-silicon-wadi/>

Israel Developing Cutting Edge Artificial Intelligence Crime-Fighting Tools | Israel is among those countries everyone would want to watch her steps in matters security. No debate, the country has it all when it comes to criminology and everything weaponry related. But, in its current move to use artificial intelligence as a tool to fight crime, that’s a serious move that requires deep thinking especially with the current fears associated with the technology. ...

Israel Police has engaged the Ben-Gurion University of Negev and the two are building cutting-edge cyber, big-data AI-powered tools that will be able to prevent crime through foretelling when and where it may happen. ...

Ideally, if this application of AI turns successful and Israel Police comes forward to confirm that artificial intelligence is a reliable tool to handle crime, we will see more governments turn to the technology for help. – Sanvada 2018

Israeli University Launches Lab to Fight Crime Using AI and Big Data | The Center for Computational Criminology is the result of a partnership between Israeli police and Ben-Gurion University of the Negev

A new research center in Israel will focus on the use of technologies like artificial intelligence, cybersecurity, and big data analytics in law enforcement.

The Center for Computational Criminology, officially launched Wednesday in the southern city of Be’er Sheva, is the result of a partnership between Israeli police and Ben-Gurion University of the Negev (BGU). – Calcalist 2018

<https://www.calcalistech.com/ctech/articles/0,7340,L-3733087,00.html>

Mossad venture arm makes first investments in spy tech | Intelligence agency does not reveal name of startups, says they are expected to supply their technologies in 2018-19

Israel’s intelligence agency, the Mossad, said its new technological innovation fund has completed a first round of investments in Israeli startups that have the potential to help the agency in its covert operations, to meet existing and future challenges. – Times of Israel 2018

<https://www.timesofisrael.com/mossad-venture-arm-makes-first-investments-in-spy-tech/>

Israel blurs the line between defense apparatus and local cybersecurity hub. | Israel is siphoning cyber-related activities from its national defense apparatus to privately held

companies. Since 2012, cyber-related and intelligence projects that were previously carried out in-house in the Israeli military and in Israel's main intelligence arms are transferred to companies that in some cases were built for this exact purpose. Some of these clandestine companies were established in collaboration with the Israeli defense organizations as a way to address the country's growing technological defense needs and a steep rise in salaries of cybersecurity engineers in the Israeli market.

<https://www.calcalistech.com/ctech/articles/0.7340.L-3735256.00.html>

The Israeli high-school kids earning high-tech salaries | Cyber-ed program gives youth from peripheral areas training for well-paying positions at major companies even before they enter the army. <https://www.israel21c.org/the-israeli-high-school-kids-earning-high-tech-salaries/>

Israel's Shin Bet Security Agency Taps Local Startups | The Israel Security Agency is teaming up with Tel Aviv University's TAU Ventures to set up an accelerator program for startups <https://www.calcalistech.com/ctech/articles/0.7340.L-3737748.00.html>
<https://www.exposetheenemy.com/israel#IntelligenceAndHighTechInitiatives>