BRIEFING DOCUMENT – ISRAELI HIGH TECHNOLOGY AND ESPIONAGE

Ramifications of Israeli domination of cyber technology in the age of A.I and it's relationship to Russia and China - how it can be exploited by the Arab world for political leverage.

Israeli domination of the world's high technology sector is little known, and little understood.

This document seeks to summarize and extrapolate on the ramifications of allowing the worlds high technology defense and research and development infrastructure to be situated in Israel.

EXAMPLE:

- Few, even in the IT industry know that the most advanced Intel CPU design and fabrication facility is in Israel as well as:
  - **Intel Haifa:** Development center of hardware and software for processors and AI;
  - **Intel Petah Tikvah:** Development center for communication and Artificial Intelligence solutions;
  - **Intel Jerusalem:** Global development center of autonomous cars (Mobileye); Development center for communication, SW, and cyber security solutions;
  - **Intel Kiryat Gat:** Intel's most advanced manufacturing facility.
- Few in the intelligence and IT industry know that key core technology components of the emerging 5G, iOT artificial intelligence world were designed in, and currently maintained in Israel.
- An emerging industry narrative, contained in online journals and news articles, speak boldly of Israel's central role in cyber technology defense – hardware and software. The general main stream discourse rarely touches on the security implications of this move.
- Prime minister of Israel, Benjamin NETANYAHU, has stated boldly at cyber technology conferences in Israel, that Israeli's now dominate the emerging fourth industrial revolution – hardware and software. In fact, he is quoted as saying, *"Israel is a cyber technology juggernaut."*[1]
- It is now well documented by such authors as Lilly GALLILEE – opinion piece writer for Haaretz – that the high technology industry in Israel is dominated by Russian and Ukrainian computer scientists, missile technicians, aeronautical engineers and materials scientists.[2]
- This is an open-door conduit for Russian GRU (Military Intelligence) and SVU (KGB) to infiltrate the American high technology sector via easy Israeli visas and citizenship.
- Former Russian GRU Evgeniy KASPERSKY stated in a *Times of Israel* newspaper article – "From Jerusalem Shall Come Forth Cybersecurity Says Cyber Guru".[3]
- Few mainstream or online journals and news outlets mention or discuss the ramifications of the close relationship between Benjamin NETANYAHU and Russian president Vladimir PUTIN.
- With American security concerns on Russian election interference and high technology acquisitions in general, it is inconceivable that the western intelligence services appear to have failed to grasp and address the Israeli state as a "backdoor conduit" for American high technology illegal transfers to Russia and also China.

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[1] https://www.jpost.com/Jpost-Tech/Full-steam-ahead-as-Israel-powers-fourth-industrial-revolution-618740

[2] https://www.theguardian.com/world/2011/aug/17/israel-soviet-immigrants-transform-country

[3] https://www.timesofisrael.com/from-jerusalem-shall-come-forth-cyber-security-says-cyber-guru/

- With the intense scrutiny of Communist China by the western intelligence services, it is inconceivable that the close relationship between Israel and China is not being openly discussed as the extreme high-level national security risk it poses.[4]

- An article by Dr. Christina Lin – *"Bunting's map and Israel on China's new silk road"* – sums up Israel's central role linking Europe, Asia and Africa and the desired destruction of the Arab states that encircle Israel. It is also in Israel that the vital data from fiber optic cables will intersect from those three countries.[5]

- Few, even in the IT industry know that the Microsoft Windows security center and other core components of the world's number one operating system are coded in Israel at its Microsoft headquarters.[6]

- "Windows" is used routinely by the worlds corporate sector, small and medium businesses, governments, educational institutions, high security military industrial contractors etc. As mentioned above, this is handled by Microsoft Israel, not Microsoft in Seattle, Washington State.

- Microsoft Israel handles the security for voting machines in the United States.[7]

- As we speak, the massive and high security Pentagon Cloud Contract (JEDI), and all security issues associated with it, are being handled by Microsoft Israel, though this is currently under a court ordered injunction by Microsoft's competitor Amazon.[8]

- Former head of Microsoft Israel – Assaf RAPPAPORT – was Israeli military intelligence trained under their elite Unit 8200 (equivalent of the NSA) and Talpiot Program. The Talpiot Program is a specialist unit that produces high technology CEO's and places them all over the world. Many mistake these companies as U.S based. They are not, they are Israeli companies with Israeli CEO's or dual national American Israeli CEO's – trained under Israeli military intelligence for at least 7-10 years.[9]

- The ongoing security flaw issues with Intel CPU's can be tied to Israeli CPU design technicians. The current Intel 10nm "disaster", can be speculated to involve "design flaws" that cannot be *micro coded* around in the short term - rendering Intel's flagship CPU essentially worthless. The authors of this brief put forward the proposition that the "design flaws" are in fact hard ware backdoors into the very heart of the CPU allowing covert access to computers systems.[10]

- U.S based cyber security researcher Christopher DOMAS spoke at a conference in 2018. At that conference, he elaborated on his research into the DEC – Deeply Embedded Core – present in Intel processors that allowed total access to a target system. The DEC can be activated via multiple machine code instruction sets and bypasses all hardware and software security. There is intense speculation this hardware backdoor was conceived and implemented in Israel.[11]

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[4] https://www.timesofisrael.com/in-beijing-netanyahu-looks-to-marry-israels-technology-with-chinas-capacity/

[5] https://blogs.timesofisrael.com/buntings-map-and-israel-on-chinas-new-silk-road/

[6] https://www.timesofisrael.com/bill-gates-israeli-tech-changing-the-world/
https://www.israel21c.org/microsofts-bill-gates-israel-is-a-vital-resource-for-us/

[7] https://www.nbcnews.com/news/us-news/microsoft-will-give-away-software-guard-u-s-voting-machines-n1030956

[8] https://www.cnbc.com/2019/10/25/microsoft-wins-major-defense-cloud-contract-beating-out-amazon.html

[9] https://www.haaretz.com/israel-news/business/microsoft-israel-s-r-d-center-names-new-34-year-old-ceo-1.5746060

[10] https://www.news18.com/news/tech/intel-patching-its-zombieload-cpu-security-flaw-for-the-third-time-2476791.html

[11] https://gsec.hitb.org/sg2018/sessions/god-mode-unlocked-hardware-backdoors-in-x86-cpus/

- Israel is renowned for its' "backdooring" of hardware and software and espionage in general, against the United States and others.
- The result of the current Intel 10nm CPU design delay (disaster), meant, that as the security flaws were made known at the beginning of 2018 (Spectre and Meltdown), Intel's main competition – Advanced Micro Devices (AMD) – produced their finest, most efficient and fastest processor family Zen II architecture. These CPU's are moving far ahead of Intel in price, power draw and performance. There is no date for the release of the Intel 10nm Icelake rang of processors which are already over 18 months behind schedule.[12]
- This means the worlds most advanced consumer CPU's (Server, desktop, laptop) are now built by Taiwan Semi-Conductor (TSMC) in Taiwan, just across the Straights of Taiwan and China.[13] This same facility designs and manufactures AMD and Nvidia graphics accelerator cards which are vital to the world super computer industry and A.I research and development. The geo political implications are enormous given China's insistent claims on Taiwan.

CONCLUSION:

This information can be leveraged in a media and political lobbying campaign. There is already CIA and Military agitation on this issue. There is a growing community of U.S intelligence officers that recognize the dangers ahead. Former counter intelligence officer Philip GIRALDI; C.I.A Analyst Ray MCGOVERN; former US Army War College Director of Studies Dr Alan SABROSKY; FBI translator Sibel EDMONDS come to mind.

We, the authors of this brief, suggest urgent dialogue begin on this issue specifically addressing deeper and more detailed research by suitably qualified academics in the relevant field – Information Technology; Cyber Security; electronic hardware manufacture; National Security and political science specialists.

We have cited less well-known issues that are affecting the Middle East and Arab Israeli relations in this small brief. This lack of debate brings an incomplete understanding of current issues. This leads to poor formal and informal policy decisions and strategies that never address the central issue of Israel and it's role as a "cyber technology juggernaut" with potential 4th Industrial Revolution leadership of the emerging global new world order over and above even the United States.

Israel's well documented espionage against the United States and close relationship with economic and military rivals to the United States, could be easily leveraged by the Arab world against Israel.

Statements such as Israel's violation of basic *human rights*, violation of *international law* and direct attacks on Palestinian infrastructure hold little sway in the corridors of power in the US State Department and Pentagon, CIA and NSA. But statements that Israel is stealing US high technology products and selling on to Russia and China *do* get the immediate attention of powerful US interests. Statements that *"Israel is stealing my money/intellectual property"* get the attention of powerful US establishment interests. Statements that Israel has placed backdoors in central US based companies' hardware and software get the attention of powerful interests. And finally, in the emerging iOT and A.I new world order, statements that Israel is seeking world wide dominance in this area gets the attention of powerful US interests.

Israel is a worldwide cyber technology power. It has subverted completely the United States high technology industry and military industrial complex. The largest of the U.S high technology companies are moving their most sensitive R&D centers to Israel. It is a hostile foreign power to the

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https://www.youtube.com/watch?v=_eSAF_qT_FY

[12] https://en.globes.co.il/en/article-intel-launches-10th-gen-core-processor-developed-in-israel-1001287483

[13] https://en.wikipedia.org/wiki/TSMC

United States. It co-ordinates false flag attacks upon the United States to blame on the Arab Muslim world. Israel is a clear and present danger to the United States and the world in general.

It is self-evident the approach of "sympathy" to the Arab/Palestinian world and it's issues only go so far in relatively small grass roots specialist circles. A more *cold and clinical* approach along the lines of economic and national security self-interest must be expanded upon and adopted to counter Israeli expansionism and the setting up of Greater Israel and the destruction of Arab resistance to Israeli hegemony in the region.

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