



AMERICAN  
**TECHNION**  
SOCIETY

## TECHNION–U.S. COLLABORATION

*The economic flow between Israel and the U.S. used to be one way: U.S. companies invested in Israeli companies or established subsidiaries in Israel. Today, hundreds of Israeli companies are based in the United States, many headed by Technion alumni. In addition, research and development projects for U.S. companies and government agencies are often conducted in Israel, most often at the Technion.*

- Hundreds of Israeli companies, most launched and managed by Technion alumni such as Mellanox Technologies (with a market capitalization of \$6.1 billion as of September 2019), valued by investors at \$4.2 billion as recently as August 2018), have subsidiary operations in the U.S., mostly in Silicon Valley. In 2017, Israeli foreign direct investment (FDI) in the U.S. totaled \$26 million, climbing \$2 million from the year before. (Source: U.S. Bureau of Economic Analysis (BEA).
- Hundreds of Technion alumni work in Silicon Valley, most in senior executive positions
- Israel has 107 companies on U.S. stock exchanges – more than any country except the U.S., Canada, and China.
- Many successful Israeli companies headed or founded by Technion alumni have been acquired by U.S. corporations including: Elastifile (by Google Cloud in 2019), Demisto (by Palo Alto Networks in 2019), CloudEndure (by Amazon Web Services in 2019), Mazor Robotics (by Medtronic for \$1.7 billion in 2018), Nutrino (by Medtronic in 2018), Orbotech (by KLA-Tencor Corp. in 2018), Mobileye (by Intel in 2017), and SalesPredict and Corrigan (by eBay in 2016)
- Goods and services trade between the U.S. and Israel totaled \$49.6 billion in 2018, making Israel the U.S.'s 23rd largest goods trading partner. Israel exports to the U.S. accounted for more than \$21.8 billion. (Source: Office of the United States Trade Representative).
- The Technion is one of the “Top 10 Colleges for Tech CEOs,” according to an August 2013 report by Bloomberg Rankings. The Technion (tied for #7) is the only university outside of the U.S. on the list, which was compiled by looking at the CEOs of 250 U.S. companies with a market value of \$1 billion and above, and determining the university at which those CEOs studied.

*Three joint U.S.-Israel research and development foundations have been established to promote collaboration.*

- BIRD Foundation: Binational Industrial Research and Development Foundation: Promotes R&D matches including a 2011 grant to develop the robotic exoskeleton ReWalk. Since its inception in 1977, the BIRD Foundation has granted \$282 million to 813 projects, which have directly and indirectly generated \$8 billion in sales.

- Binational Science Foundation: promotes US/Israel scientific relations through collaborative research projects, many at the Technion.
- Binational Agricultural Research and Development Fund: supports joint US/Israeli agricultural research

*Academic partnerships are also making their mark in the U.S.*

The Joan and Irwin Jacobs Technion-Cornell Institute (Jacobs Technion-Cornell Institute) plays a key role within Cornell Tech, by offering interdisciplinary dual degree programs in the applied information-based sciences. The Jacobs Technion-Cornell Institute brings a global perspective to research and education with an emphasis on technology transfer, commercialization, and entrepreneurship. The permanent campus, located on Roosevelt Island, was officially dedicated in September 2017.

The Technion also has cooperative agreements with the University of Illinois System; Northeastern University; Syracuse Upstate Medical University-International Institute of Biomedical Sciences and Technology; the City of Chicago; University of Michigan; Yale University of Management; and Johns Hopkins University, among others. Student exchange programs include ones with the Massachusetts Institute of Technology, the University of Michigan; Pennsylvania State University; New York University School of Medicine; Brown University; Rice University; University of California at Irvine; University of Maryland; and Rutgers University

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