

TECHNION BUSINESS CONNECTION

Israel has become Silicon Valley's single serious competitor. This explosion in Israel's competitive edge would not have been possible without the Technion-Israel Institute of Technology. The applied research at the university produces pioneering technologies that are translated into high-tech exports, most often by its own graduates. Some examples:

- More than 70 percent of Technion graduates are employed in the high technology sectors that drive the country's economic growth. *
- Technion graduates occupy a variety of senior positions and management roles in Israel's economy. 25 percent of them are CEOs and vice presidents, and 39 percent fill other management positions. *
- 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.
- The Technion has been included for three straight years in Reuters' list of The World's 100 Most Innovative Universities. The Technion was also included on PitchBook's 2016 list of the top 17 schools that have spawned the most VC-backed founders.
- In a November 2017 survey published by Times Higher Education, the Technion was named the world's leading academic institution when it comes to preparing students to take top positions in the digital revolution.
- 17 percent of Technion graduates are working in – or have worked in – start-ups, three times the average rate in the economy, and without parallel in the entire developed world. In 2010, exports of services from start-up companies in Israel accounted for more than \$622 million. *



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- 42 of 72, or 58 percent of Israeli companies on Nasdaq are founded or run by Technion graduates. As of March 2015, the Nasdaq Market Cap of those companies is approximately \$22 billion. #
- 64 Technion graduates established or managed 42 companies that are currently traded on Nasdaq (29 are founders of companies, and 35 serve in senior positions). #
- From 1995 to 2014, a total of 1,602 companies were founded and/or managed by Technion graduates. Those companies created about 95,500 jobs. #
- From 1995 to 2014, 34 foreign R&D centers in Israel were established or managed by Technion graduates, including Apple R&D Center, Cisco Systems Israel, GE Healthcare Israel, Intel Israel, Microsoft Israel Research & Development, Qualcomm Israel and Samsung Semiconductor Israel. #
- Technion graduates account for 51 percent of Israel's industrial exports. *
- 41 Technion graduates are listed in Dun & Bradstreet's List of Top 125 business leaders.
- 44 Technion graduates have leadership roles in Israel's top dozen exporters. *
- 23 percent of Technion graduates start at least one new company during their work careers. *
- The Technion Research and Development Foundation (TRDF) manages university research programs and performs testing and research services for industry and government. T³, the technology transfer arm of TRDF, takes the Technion's groundbreaking scientific ideas and matches them with investors and entrepreneurs. T³ has secured a multitude of patents and nurtured scores of innovative startups in sectors including clean-tech, cell therapy, drug development and nanotechnology.
- Dozens of American companies, including such giants as Apple, Google, Motorola, Intel, IBM, Hewlett-Packard, and Yahoo! have set up operations in Israel, mainly on and around the Technion campus in Haifa, to best take advantage of its research power and trained graduates.
- The Technion's influence is known the world over, and a growing number of universities, municipalities and businesses are eager to partner with it. One that speaks volumes about



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the Technion's reputation is its partnership with Cornell University to create Cornell Tech, an applied science educational institution in New York City. At the very heart of this initiative is the Joan and Irwin Jacobs Technion-Cornell Institute (Jacobs Institute), which offers a dual master's degree from both universities, and which is expected to help create tens of thousands of jobs and businesses. Cornell Tech's Roosevelt Island campus, home to the Jacobs Institute, was officially dedicated on September 13, 2017.

- Another prime example of the Technion's burgeoning global influence is its joint venture with Shantou University to build a new academic facility in China called the Guangdong Technion-Israel Institute of Technology (Guangdong Technion). This partnership is viewed by many as part of the broader movement of globalization now sweeping the academic world. Courses have already begun on the campus, which was dedicated in December 2017.

Sources:

* - *Technion Nation* (2012)

- "Companies and Management Positions by Technion Graduates and Companies based on Knowledge Generated at the Technion;" Samuel Neaman Institute, *Technion-Israel Institute of Technology* (March 2015)

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MEDIA CONTACT:

Kevin Hattori

Kevin@ats.org / 212.407.6319