Academia As A Growth Engine - BGU Case Study

Ben-Gurion University of the Negev
The Start Up Nation - Numbers

#2 voted in investors confidence

#1 in invested dollars per capita

#1 in Ratio of Startups Per-Capita

#1 highest per capita count of high tech engineers

40% High-tech = 40% of Israeli export

Time of Israel 2016
The Business Arena

- The largest per-capita number of startup companies
- The largest per-capita number of registered patents
- The highest number of scientists, technicians, and engineers per capita in the world

- 70+ technology companies listed on NASDAQ (second only to the USA & China)
- 280 global companies have branches and R&D labs in Israel

israelstudies.umd.edu
World’s Most Innovative Countries

World Economic Forum 2017-2018 Global Competitiveness Report:

“Israel has a good capacity for innovation, high quality scientific research institutions and strong private sector spending and collaboration on R&D.”

1. Switzerland
2. United States
3. Israel
4. Finland
5. Germany
6. Netherlands
7. Sweden
8. Japan
9. Singapore
10. Denmark

Source: https://www.weforum.org/agenda/2017/10/these-are-the-10-most-innovative-countries-in-the-world/?utm_content=buffer2f218&utm_medium=social&utm_source=facebook.com&utm_campaign=buffer
World’s Most Innovative Countries

ISRAEL
Israeli Universities Serve as the First Bead in the “Start Up Nation Necklace”
BGU - A Vibrant Academic Institution
Counting Up to 50

20,000 Students
BGU has tripled its size over the past 20 years

33%
of the engineering researchers at Israeli universities are located at BGU

35%
of BGU students attend advanced degree programs

6000 Volunteer Students
BGU’s students are trending social action and community engagement
Entrepreneurship at BGU
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Launching Start-ups

ElMindA raises $28 million in series C
(Brain disorders diagnostic)

Morphisec raises $12 million in series B
(Cyber threat prevention solution)

MultiPhy raises $17M in series B
(Communications)

CartiHeal raises $15M in series C
(Cartilage regeneration)
Creating A Powerful Ecosystem
ATP – Advanced Technology Park
Advanced Technologies Park (ATP): World Models

- Independent Entrepreneurship model
- University Entrepreneurship model
- Private Entrepreneurship model
- University Management model
- Public-Private Partnership model
A Unique Model Based on University-Public-Business Partnership
Ben-Gurion University's Surroundings in the Upcoming Years

- The ATP adjacent to BGU
- At the ATP – The Cyber Security Research Center and the National CERT
- IDF's Technology Campus - next to the ATP
- North Campus
- In the region – IDF units, including the Telecommunications Division , Intelligence Division, technological units and R&D
We’re Making Progress…
ATP - Leading Companies

State of Israel
Prime Minister’s Office
National Cyber Bureau

Deutsche Telekom Laboratories

Lockheed Martin

JVP Cyber Labs

WeWork

Elbit Systems

Allscripts

dbMotion

Mellanox Technologies

AudioCodes

BGN

OneHour Translation

NESS

Dalet Digital Media Systems

RAD
Cyber Ecosystem
Successes

“IBM and Ben-Gurion University announce new center for excellence”
.smart infrastructures and vehicles

“The Wall Street Journal”

“BGU and France Telecom sign agreement to optimize Internet communication”

“Internet Communications”

“Deutsche Telekom to invest millions USD in Israeli research centre at BGU”

Forbes

Over 100 researchers and students work at the R&D center for over 12 years

“PayPal and Ben-Gurion University to join forces on R&D”

“Cyactive acquisition”

“Start-Up Israel”

“Ben-Gurion University in deal with Bayer”

Plant resistance

“Deutsche Telekom to invest millions USD in Israeli research centre at BGU”

“Lockheed Martin, EMC to develop tech projects in Israel with BGU”

“Bringing together a unique partnership”

“Yahoo”
Columbia University Researchers Choose Beer-Sheva as Case Study to Investigate Cyber Security as Growth Engine
August, 2018

**University ATP milestone:**

Record demands valued at over 1 NIS Billion for a new private bond series issue for the Gav-Yam Negev company, owner of the Advanced Technologies Park in partnership with Ben-Gurion University and Beer-Sheva municipality.
Ben-Gurion University of the Negev
We’ve Only Just Begun!
Thank you!