

Academia As A Growth Engine - BGU Case Study

Ben-Gurion University of the Negev



The Start Up Nation- Numbers



#1

in invested
dollars per
capita

40%

High-tech =
40% of Israeli
export

#2

voted in investors
confidence

#1

in Ratio of Startups
Per-Capita

#1

highest per capita
count of high tech
engineers

[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



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	



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

Entrepreneurship at BGU



Bengis Center for Entrepreneurship
& Hi-Tech Management
Guilford Glazer Faculty of Business & Management
Ben-Gurion University of the Negev



Google

אוניברסיטת בן-גוריון בנגב
Ben-Gurion University of the Negev



Ben-Gurion University
of the Negev

International iGEM Contest



BGU TECHNOLOGY 2018

Engineering Projects Annual Event



Autonomous Robotics | Satellites



Entrepreneurship & Innovation



BGN TECHNOLOGIES FILED
1000 PATENTS



35
GROUPS ARE
WORKING AT BGU
INNOVATION LABS



50%
OF ISRAEL'S EXPORTS ARE
FROM THE HI-TECH INDUSTRY



17
1 OUT OF 10 ISRAELIS WORKS
IN THE HI-TECH INDUSTRY



5 COMPANIES
launched through the first cycle of
the Inno-Negev Accelerator with
total investments of approximately



**In 2016 BGN
Technologies and
the Bengis Center
jointly established
the University's main
innovation center,
BGU Innovation Labs**

338

hi-tech companies established by
BGU faculty members and alumni



Launching Start-ups



ElMindA raises \$28 million in series C

(Brain disorders diagnostic)

ElMindA

Morphisec raises \$12 million in series B

(Cyber threat prevention solution)

 **MORPHISEC**
Moving Target Defense

MultiPhy raises \$17M in series B

(Communications)

MultiPhy

CartiHeal raises \$15M in series C
(Cartilage regeneration)

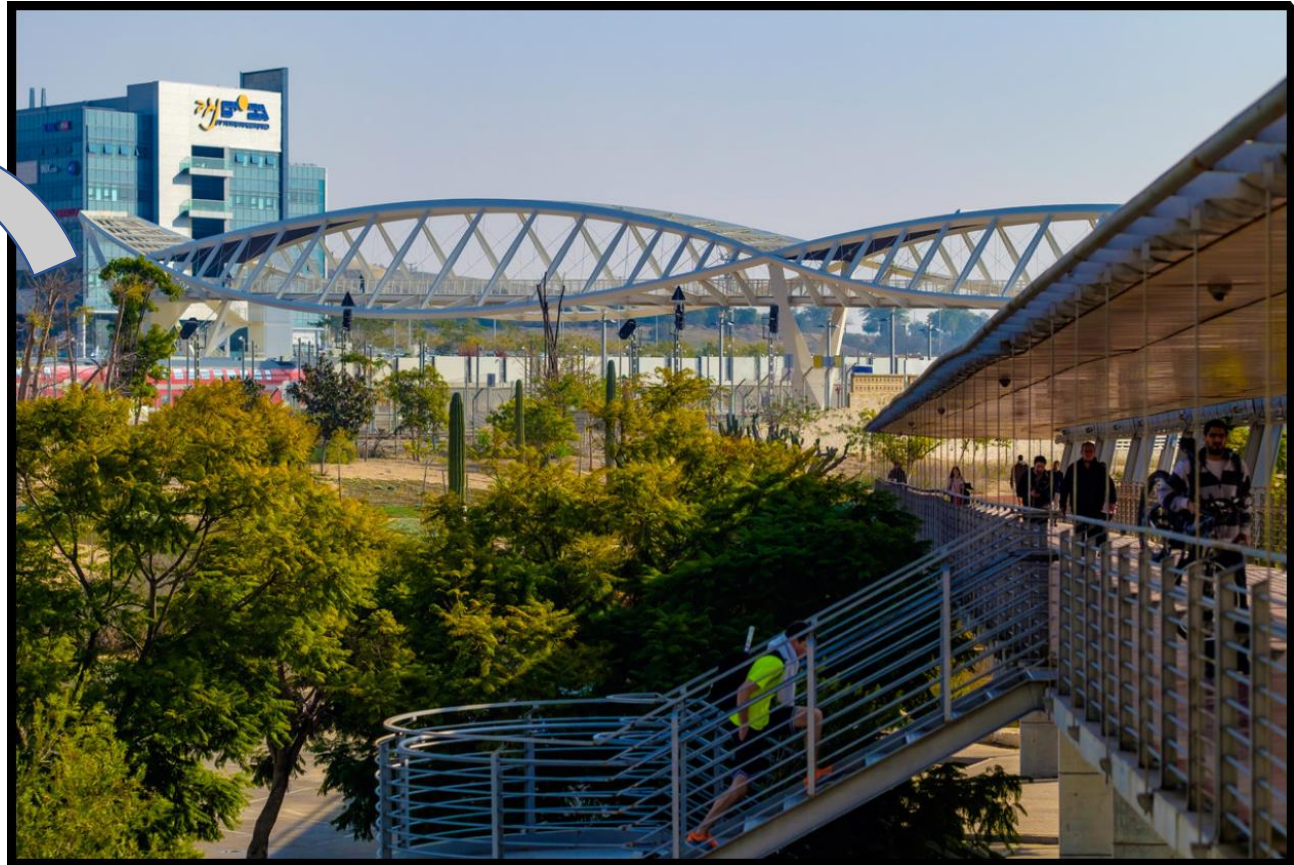
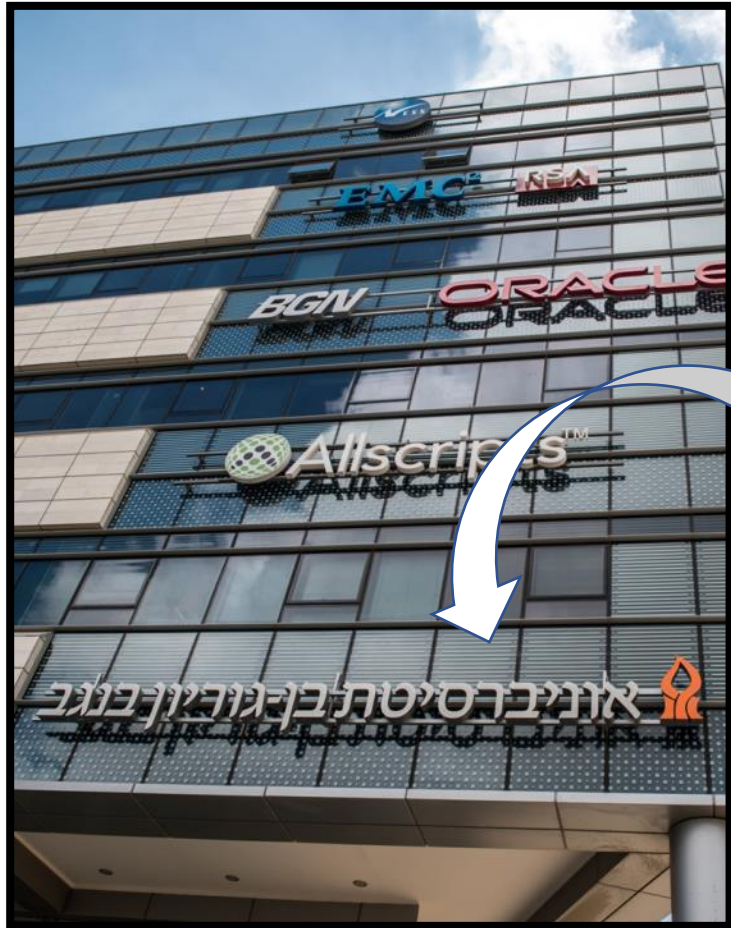
 **CartiHeal**



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

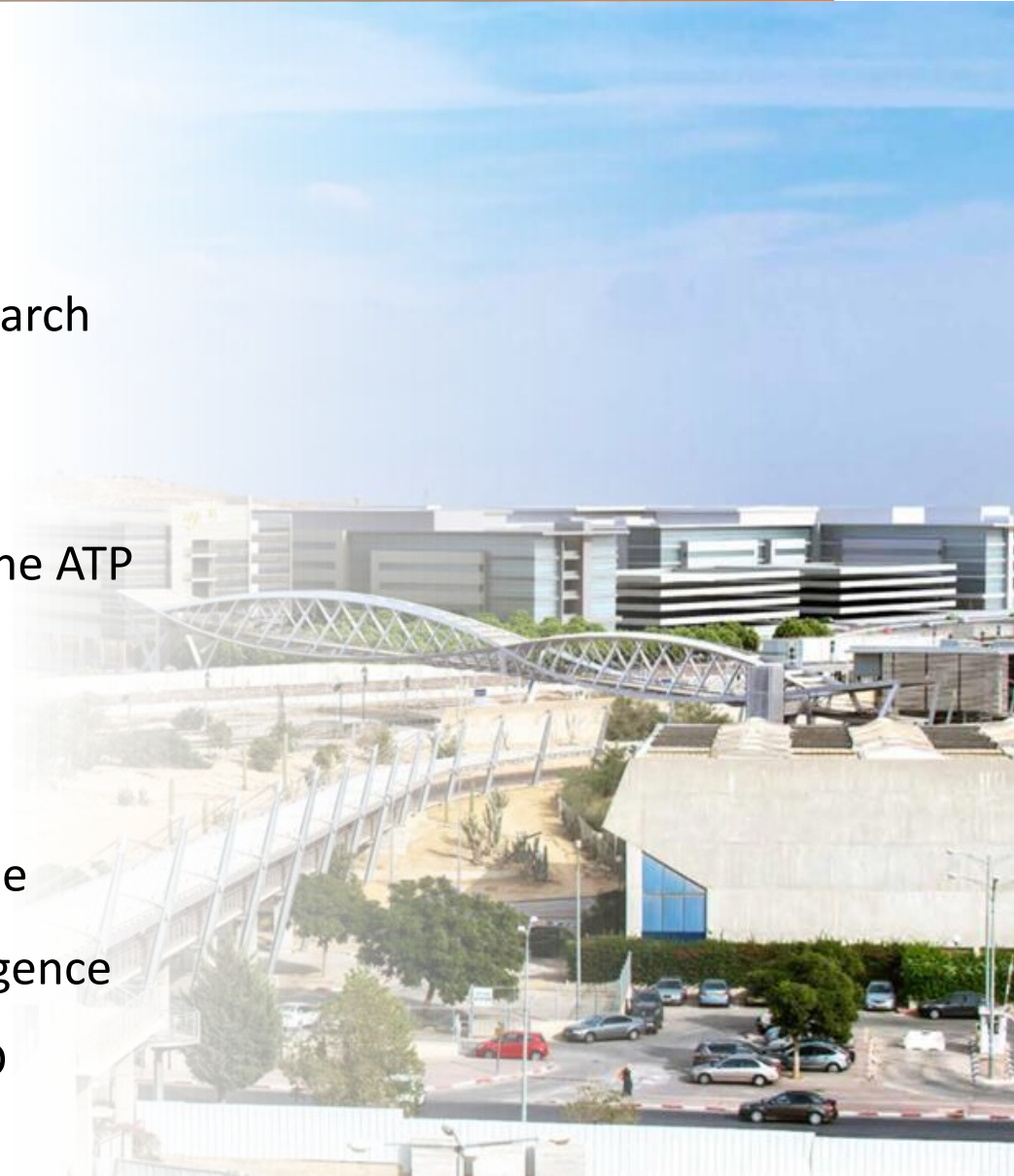


A Unique Model Based on University-Public-Business Partnership



Ben-Gurion University's Surroundings in the Upcoming Years

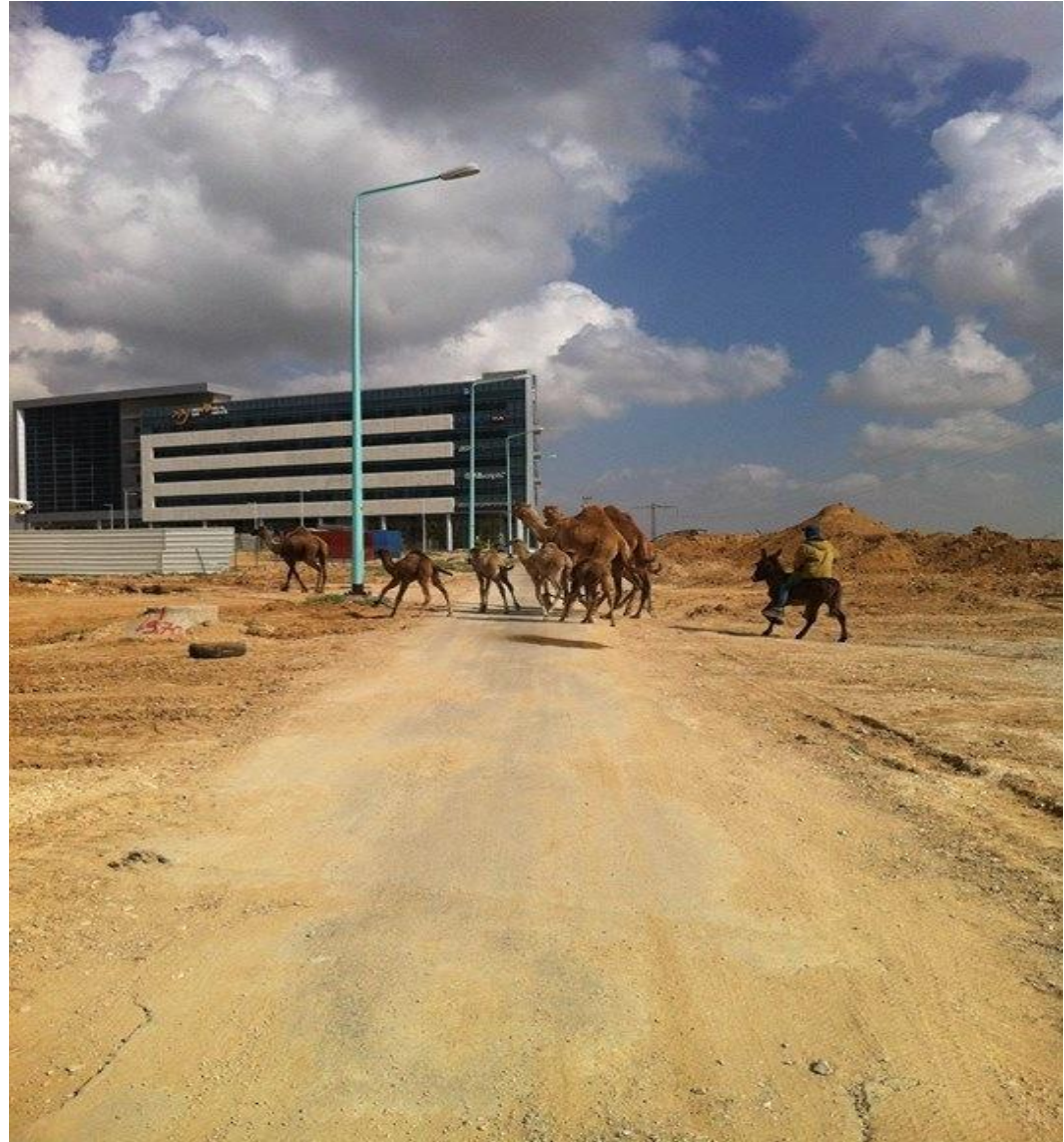
- **The ATP adjacent to BGU**
- **At the ATP** – The Cyber Security Research Center and the National CERT
- **IDF's Technology Campus** - next to the ATP
- **North Campus**
- **In the region** – IDF units, including the Telecommunications Division , Intelligence Division, technological units and R&D



A View of ATP from BGU's Campus



We're Making Progress...



ATP 2011-2014



ATP 2016–2018





ATP- Leading Companies

ORACLE®

DELL EMC

Deutsche Telekom Laboratories



LOCKHEED MARTIN



wework®



State of Israel
Prime Minister's Office
National Cyber Bureau



מנהל המעבר דרומה



Cyber Ecosystem



Successes

“IBM and Ben-Gurion University announce new center for excellence”

Smart infrastructures and vehicles 

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

Internet Communications

 MAGAZINE OF THE SOCIETY FOR SCIENCE & THE PUBLIC

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

Cyactive acquisition



“Ben-Gurion University in deal with Bayer”

Plant resistance



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

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



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

Bringing together a unique partnership





Impact



A New Silicon Valley In The Middle East

BRANDEIS INTERNATIONAL BUSINESS SCHOOL

News

Events Calendar

Rankings

From the Dean

Faculty in the Media

Cultural Celebrations

Visiting Executives

World Ready Alumni

Google™ Custom Search



+ AddThis

New Study: Seven Cities Poised for Significant Growth in Technology and Life Sciences

Collaboration between T3 Advisors and Brandeis International Business School identifies international locations showing great promise in shifting global economy
January 12, 2015

T3 Advisors, a global corporate real estate services and consulting firm, and Brandeis International Business School announced the results of the first of its kind joint *Global Technology Emerging Markets* study.



A unique collaboration between business and higher education, the study provides leaders at technology and life sciences firms with forward looking recommendations

@BrandeisIBS



CYBERSECURITY INITIATIVE

NATASHA COHEN, RACHEL HULVEY, JITTIP MONGKOLNCHAIARUNYA, & ANNE NOVAK WITH ROBERT MORGUS & ADAM SEGAL

CYBERSECURITY AS AN ENGINE FOR GROWTH

Columbia University Researchers Choose Beer-Sheva as Case Study to Investigate Cyber Security as Growth Engine



ATP – Advanced Technology Park

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 to Ben-Gurion University and Beer-Sheva municipality



Ben-Gurion University of the Negev
We've Only Just Begun!



Thank you!

