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

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Our Purpose

Ben-Gurion University of the Negev embraces the endless potential we have as individuals and as a commonality to adapt and to thrive in changing environments.
Inspired by our location in the desert, we aim to discover, to create, and to develop solutions to dynamic challenges, to pose questions that have yet to be asked, and to push beyond the boundaries of the accepted and possible.

We believe that our vantage point in Israel's Negev desert grants us a unique point of view, which sparks our creativity, motivates our journey to understanding, and enables us to achieve the remarkable.

We believe that bridging disciplines and cultures is critical to the success of research and scholarship.

We believe in the delight of exploration, the culture of collaboration, and the cultivation of original ideas.

We invite you to set aside existing paradigms and view the world from our unconventional perspective.

In the pioneering spirit of David Ben-Gurion, we encourage you to adopt our expansive point of view and see the extraordinary power emerging from the desert – for Israel, and for the world.

One of the top three universities in Israel

20,000
Students

160,000
Alumni

930
Senior academic faculty, from a total of **6,700** staff members

30%
of students are enrolled in graduate degree programs

Campuses 3
- Beer-Sheva
- Sde Boker
- Eilat

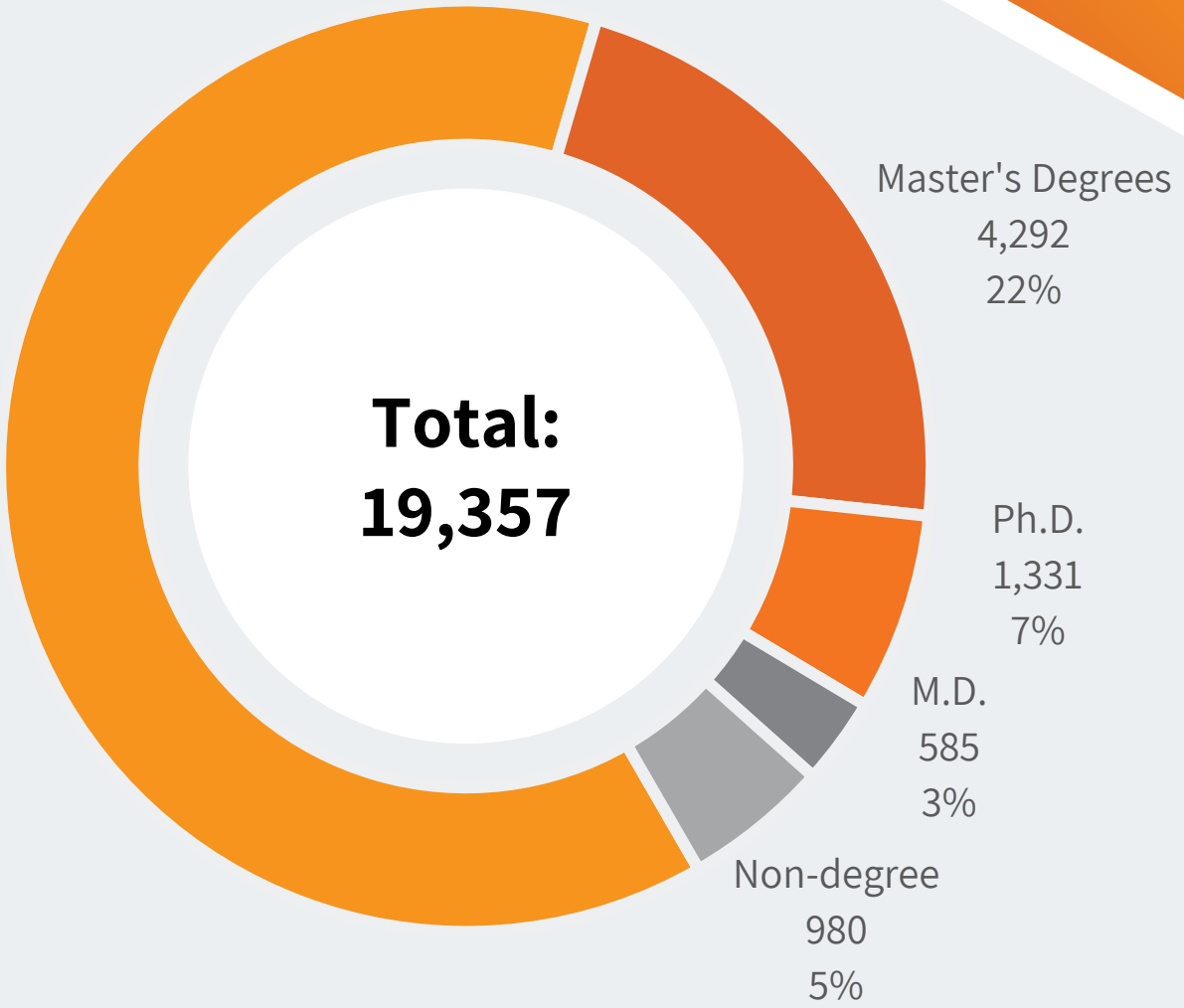
A medical center as part of the campus + three additional affiliated hospitals

Hi-tech park adjacent to campus

One university, embracing diversity

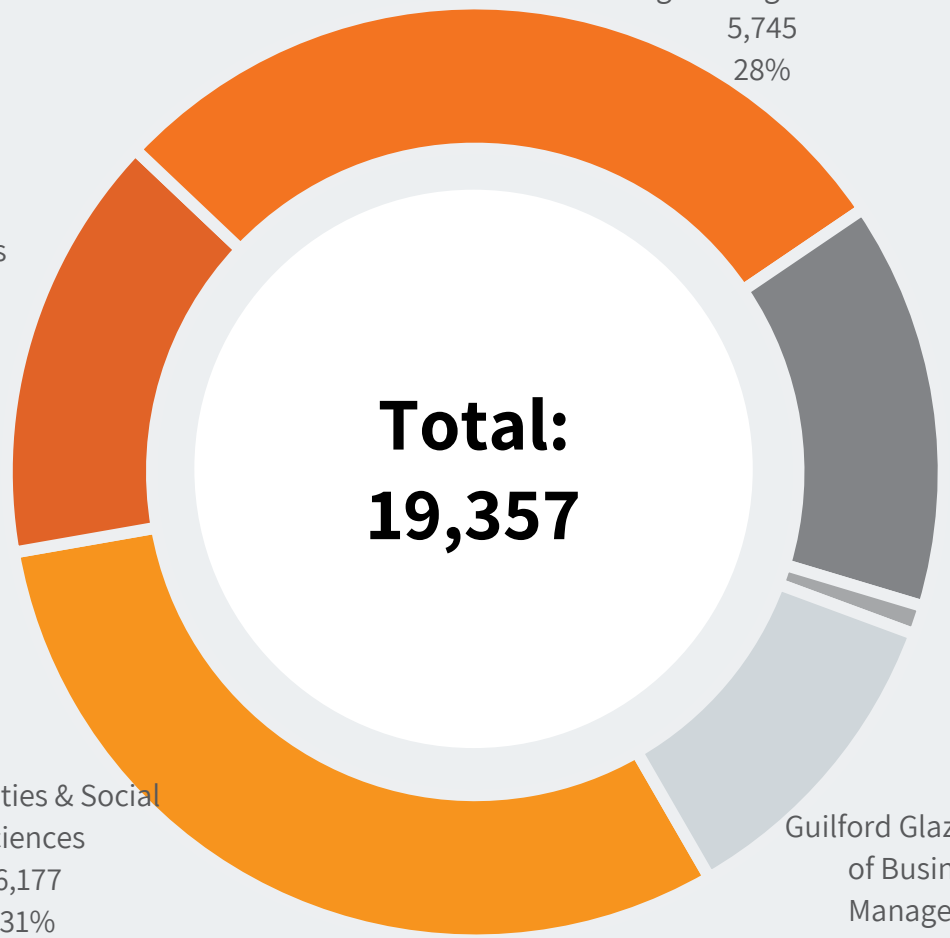
An international community, including **1,000** students from more than **70** countries

BGU by numbers:
Students by degree



BGU by numbers:
Students by faculty

Graduates of the Faculty of Engineering Sciences comprise more than **30%** of all new engineers in Israel each year



The Negev at the center

BGU realizes the vision of David Ben-Gurion, who understood that a world-class academic institution has the power to **transform the Negev region**

The University has a special mandate: development of the Negev, economically, socially, and culturally

The Negev constitutes 60% of Israel's area and houses only 11% of its population

The University leads multiple national research institutes and projects

- Ben-Gurion National Solar Energy Center
- National Institute for Biotechnology in the Negev
- Cyber Security Research Center & Cyber Emergency Readiness Teams (CERT)
- Azrieli National Centre for Autism and Neurodevelopment Research
- Heksherim Research Institute for Jewish & Israeli Literature & Culture
- Homeland Security Institute
- IDF Airforce Pilots Academy
- The Ben-Gurion Institute for the Study of Israel and Zionism

Transformative research

Quantum

Stem cells

Psychology

Renewable energy

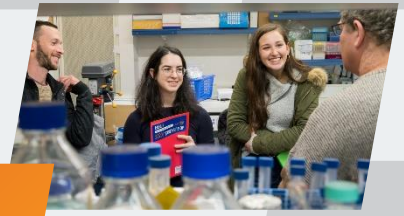
Ecology & environment

BrainTech

WaterTech

Space & Remote Sensing

Cyber Security



Cancer

Epidemiology

Nanotechnology

Ergonomics

Robotics

Yazamut 360° Entrepreneurship Center

- A unique pre-accelerator and workspace enabling students, alumni and faculty to develop technological and social initiatives.
- Dozens of initiatives already operating on site.

Cactus Capital

- A University $1 million VC fund that invests in start-ups founded by BGU students.
- The only VC fund in Israel managed by students and with students as members of its investment committee.

The University attracts outstanding researchers and students with original and innovative ideas, as well as a social conscience, from Israel and around the world; many go on to assume leadership positions in numerous areas of life.

From the Negev to the world

350
startups established or managed by BGU alumni and researchers

6,000 students involved in community outreach and social projects

74 students in the unique **Open Apartments Program**

BGU Alumni make an impact

Ziv Aviram
Co-founder and CEO, Mobileye

Prof. Alon Chen
President, Weizmann Institute of Science

Dr. Efrat Baron-Harlev
Director,
Beilinson Medical Center

Tomer Cohen
Chief Product Officer, LinkedIn

Col. (res.) Dr. Tarif Badar
Director, Kaplan Medical Center; former Surgeon General, IDF Medical Corps

Ronit Atad
CEO, Microsoft Israel

Dr. Tal Zaks
Former chief medical officer at Moderna, developer of a Coronavirus vaccine

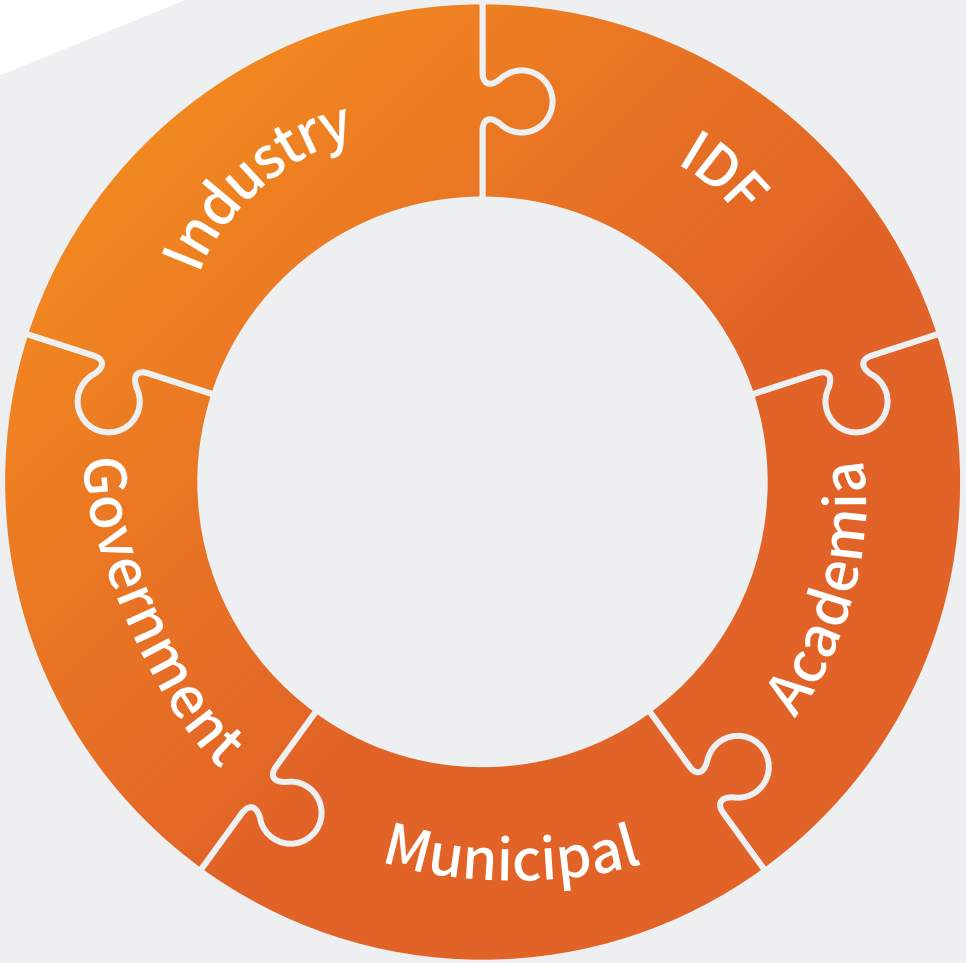
Juman Jubran
Olympic athlete and doctoral student in biotechnology engineering

Itay Yogev
AI Group General Manager, Intel

Avi Blasberger
Former Director General, Israel Space Agency

Transforming the Negev

Building a powerful ecosystem – all within a square mile

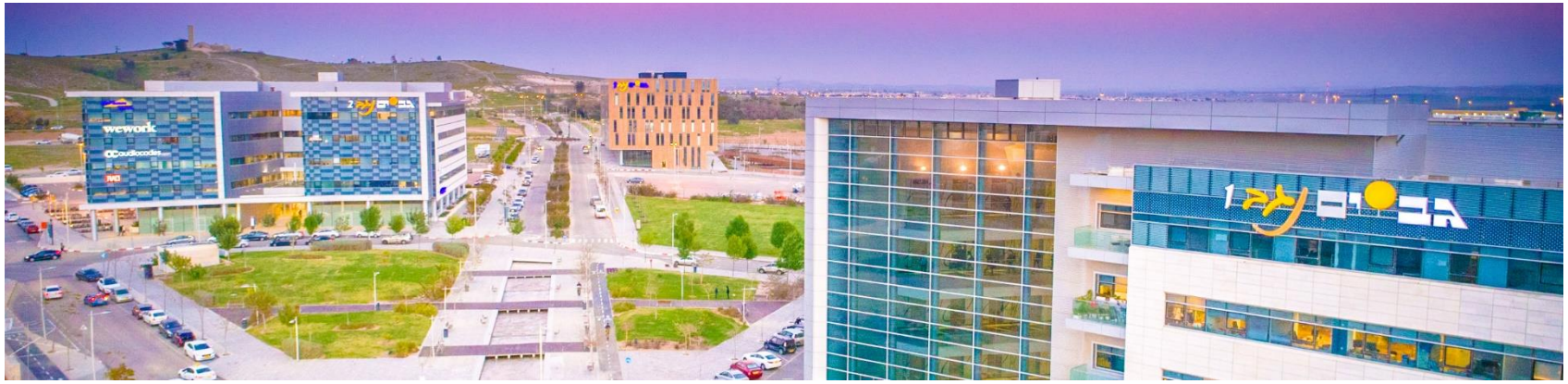


BGU Advanced Technologies Park (ATP)

- Home to R&D centers of leading global corporations
- Students work at ATP and gain practical experience
- Graduates go on to careers in hi-tech

Cybersecurity ecosystem

- Leading global hi-tech companies, accelerators and startups all reside in the ATP



The ATP generates economic and social change in the Negev

3,000 employees,
70% live in the region

Final target: 11,000 employees

Total area: 500,000 m^2
Floor space: 175,000 m^2

Adjacent residential neighborhood

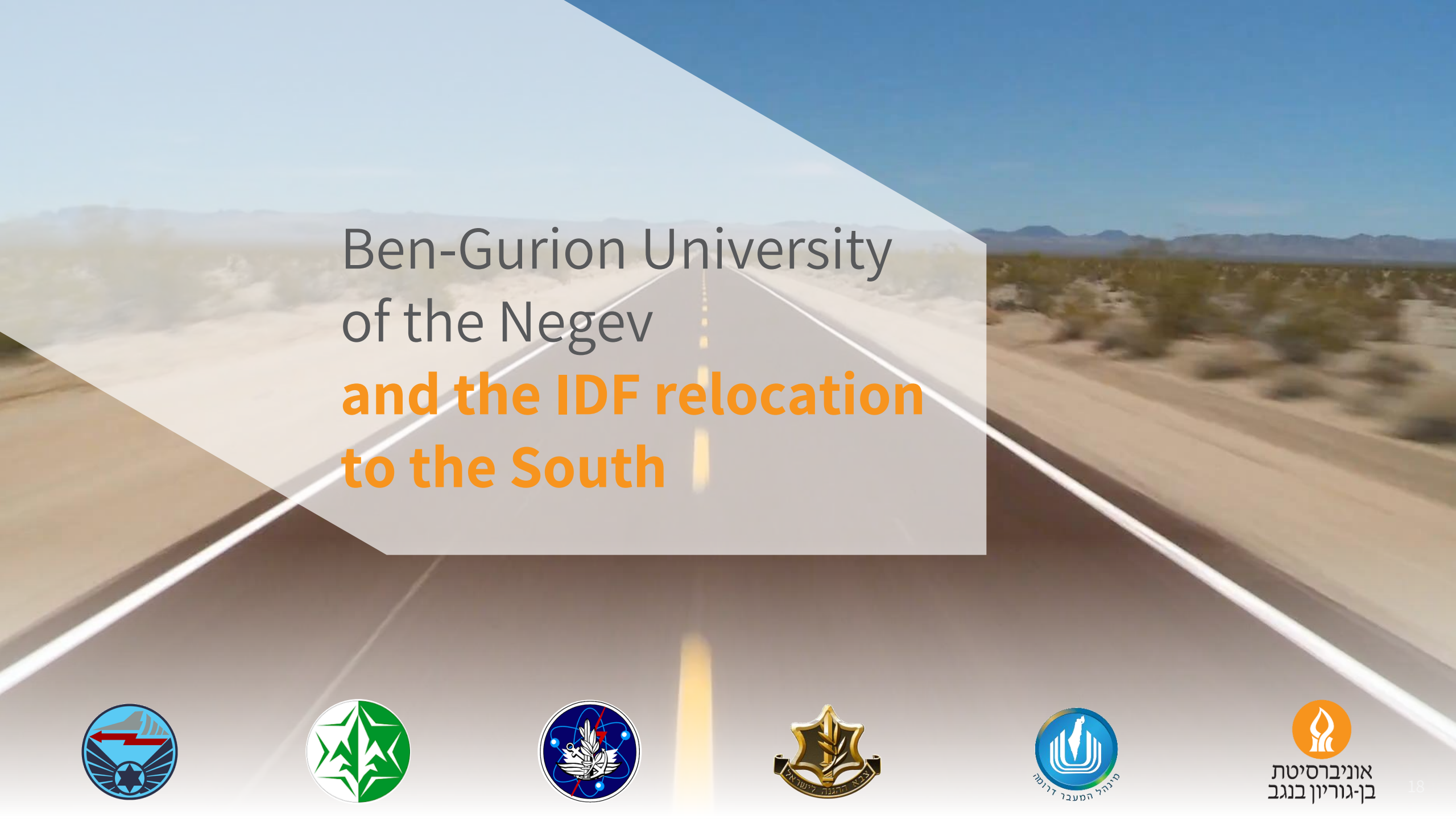
North Campus expansion

26 advanced lab and classroom buildings

230,000 m^2

Dorms for 1,000 students, including couples and families

Conference and culture center



Ben-Gurion University of the Negev **and the IDF relocation to the South**

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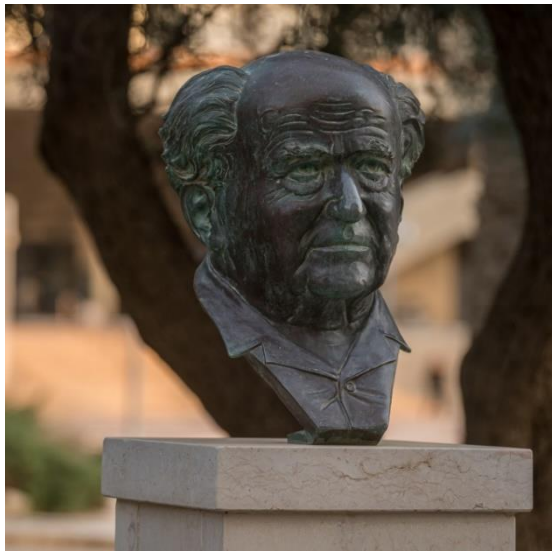
A national project at unprecedented scale

Israel's government has decided to relocate major IDF bases in the south as part of its policy to develop and strengthen the Negev economy and fulfill the vision of Israel's first prime minister, David Ben-Gurion.

The move is the largest-scale national project ever, and is already transforming the Negev's and Israel's society and economy



Beyond being the most ambitious infrastructure project, the IDF's relocation southward creates thousands of jobs, attracts the technology industry to the region, increases consumption, and supports the transformation of the Negev into a national-level population center.

Similarly, it leads to increased investments in regional health, education, and transportation and supports the development of advanced civilian infrastructures.

Strategic National Plan to Develop the Negev

Rippling economic impact

- Investment in civilian infrastructures to attract population growth
- Development of industry and hi-tech
- Influx of quality personnel and their families
- Investment in infrastructure and services to IDF bases

BGU Goals

Increase student enrollments

Create a thriving, inclusive learning community that encompasses military personnel, students and industry

Strengthen collaborations with innovative companies, the IDF’s technology units and regional authorities

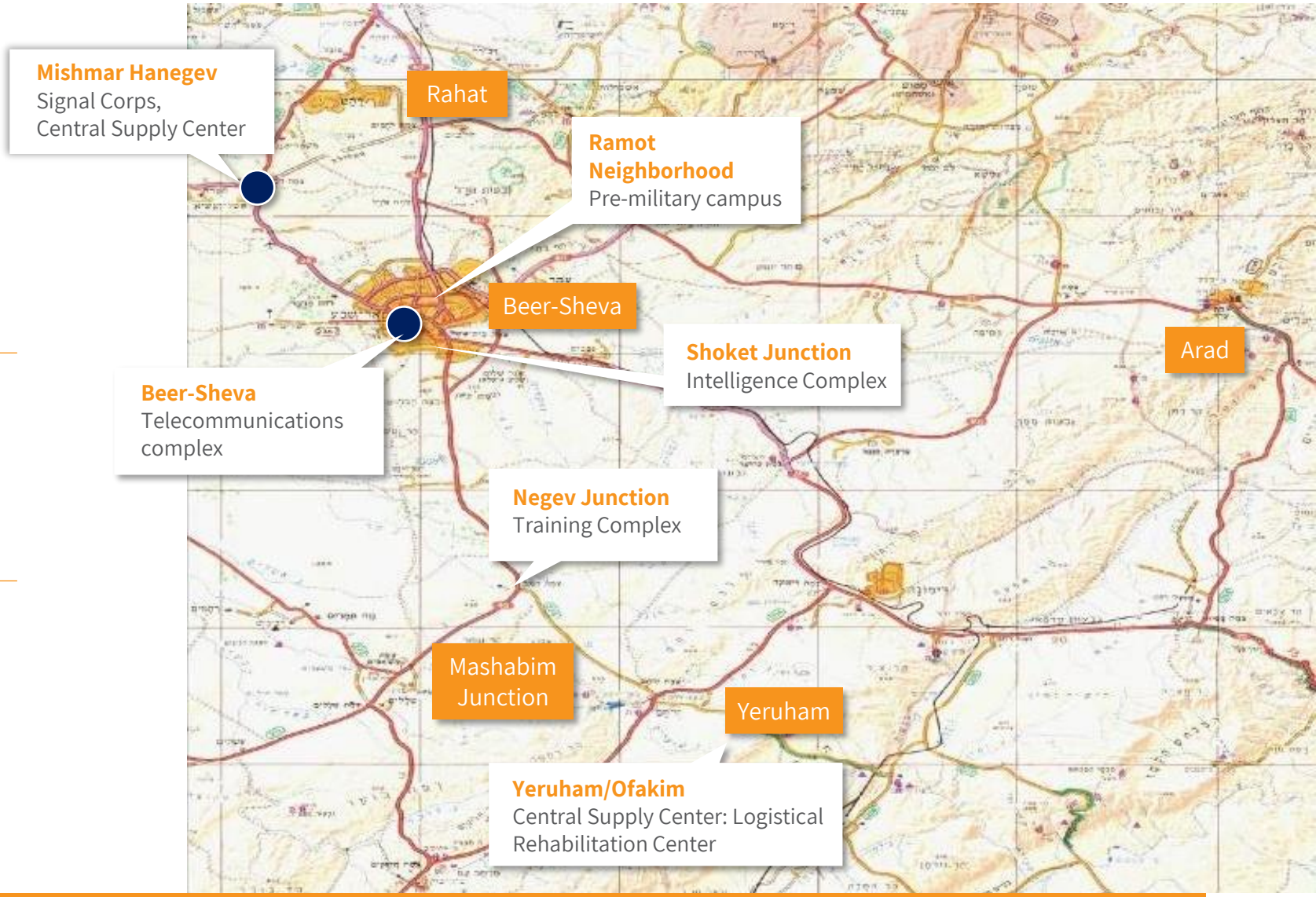
Position the University as leading national and international center for innovative research

IDF redeployment in the Negev

IDF redeployment to the Negev: More than 30,000 soldiers involved

Telecommunications and Military Intelligence Directorate will move from 2020-2023

Joint challenge for IDF and BGU: Retention of human capital



IDF's elite technology units relocating next to BGU

Comprehensive university

Interdisciplinary research and teaching

Faculty of Humanities and Social Sciences

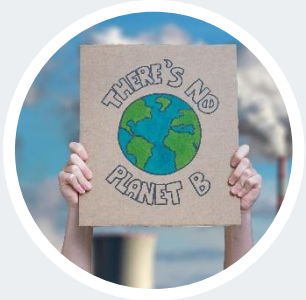
Faculty of Natural Sciences

Faculty of Engineering Sciences

Faculty of Health Sciences

Guilford Glazer Faculty of Business and Management

Jacob Blaustein Institutes for Desert Research and Albert Katz International School for Desert Studies



Goldman Sonnenfeldt School of Sustainability and Climate Change

School of Brain sciences and Cognition

Program in Statistics and Data Analysis

Faculty of Natural Sciences

- Chemistry
- Computer Science
- Geological & Environmental Sciences
- Life Sciences
- Mathematics
- Physics

Study Programs:

- ‘Ashalim’ for outstanding students in natural sciences
- Bio-informatics
- Cybersecurity
- Data Sciences
- Marine Biology & Biotechnology
- Nanotechnology
- Psychobiology
- Software Engineering

Faculty of Humanities and Social Sciences

- African Studies
- Arabic Language & Culture
- Archaeology
- Arts
- Behavioral Sciences
- Bible Studies & the Ancient Near East
- Brain & Cognitive Sciences
- Communication Studies
- Conflict Management & Resolution
- Economics, Accountancy
- Education
- Foreign Literatures & Linguistics
- Gender Studies
- General History
- Geography & Environmental Development
- Hebrew Language
- Hebrew Literature
- Jewish History
- Jewish Thought
- Israel Studies
- Middle East Studies
- Multidisciplinary Studies
- Philosophy
- Politics & Government
- Psychology
- Social Work
- Sociology & Anthropology
- Science & Technology Education
- Statistics

Faculty of Engineering Sciences

- Materials Engineering
- Mechanical Engineering
- Nuclear Engineering
- Safety Engineering & Management
- Software & Information Systems Engineering
- Structural Engineering
- Biomedical Engineering
- Biotechnology Engineering
- Chemical Engineering
- Data Mining and Business Intelligence
- Energy Engineering
- Environmental Engineering
- Industrial Engineering & Management
- Communication Systems Engineering
- Photonics & Electro-Optics Engineering
- Electrical & Computer Engineering

Faculty of Health Sciences

- Joyce and Irving Goldman Medical School
- Medical School for International Health
- **Recanati School for Community Health Professions**
  - Emergency Medicine
  - Nursing
  - Physiotherapy
  - Occupational Therapy*
- School for Continuing Medical Education
- **School of Public Health**
  - Gerontology
  - Epidemiology
  - Public Health
  - Health System Policy & Management
- **School of Bio-Medical Sciences**
  - School of Medical Laboratory Science
  - School of Pharmacy
  - Clinical Biochemistry & Pharmacology
  - Microbiology, Immunology & Genetics
  - Physiology & Cell Biology

Guilford Glazer Faculty of Business and Management

- Business Administration
- Health Systems Management
- Hotel and Tourism Management
- Management
- Public Policy and Administration
- Executive MBA Program
- Mandel Social Leadership MBA Program
- International MBA Program

Jacob Blaustein Institutes for Desert Research

- Albert Katz International School for Desert Studies
- Ben-Gurion National Solar Energy Center
- **French Associates Institute for Agriculture & Biotechnology of Drylands**
  - Dryland Biotechnologies
  - Dryland Agriculture
- **Swiss Institute for Dryland Environmental & Energy Research**
  - Desert Ecology
  - Solar Energy & Environmental Physics
- **Zuckerberg Institute for Water Research**
  - Desalination & Water Treatment
  - Environmental Hydrology & Microbiology

Goldman Sonnenfeldt School of Sustainability and Climate Change

Israel's leading school for sustainability studies

- Ben-Gurion University is situated at the heart of a desert area, where the need to find sustainable solutions to climate problems is existential.
- Over the last five decades BGU's best researchers have engaged in problem-based research to develop solutions to living in a resource-scarce desert environment, in a range of fields:

Climate and climate change

Reduction in the use of pollutant sources

Public Health: Effects of hot environment on human health

Alternative energies and cooling technologies

Food security

Solutions to water scarcity and degradation

Student life & campus environment

The University is known for its lively campus life

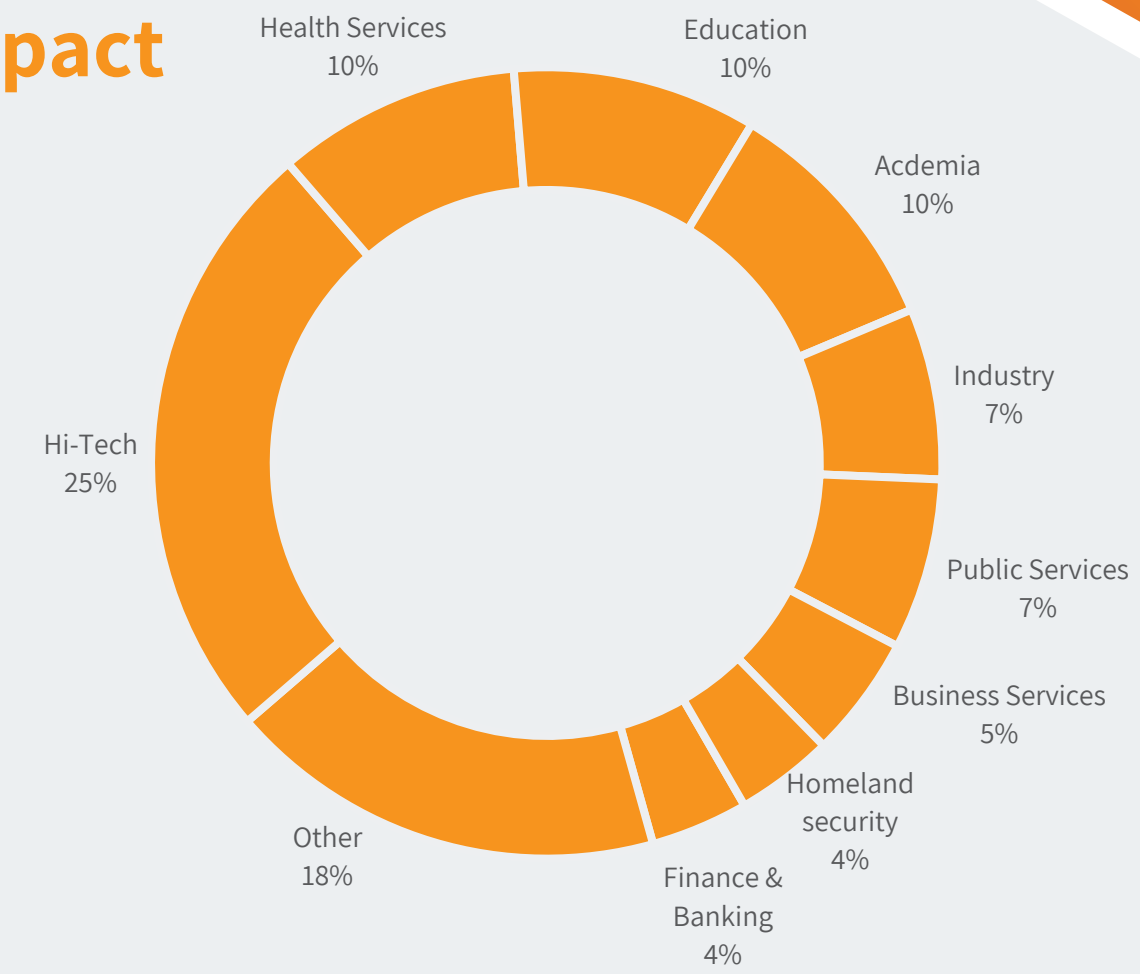
Students create and shape an urban culture

They are socially involved and active in the community

Fulfilling the Vision:
BGU Alumni make an impact

29% of alumni work in the Beer-Sheva vicinity

40%+ of ATP employees are BGU graduates



Thank You.

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