

Bay Zoltán Nonprofit Ltd. for Applied Research

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Managing innovation in Hungary
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October, 2017



Agenda

1. Bay Zoltán Nonprofit Ltd. for Applied Research
2. Academia – Industry/Business Cooperation



Bay Zoltán Alkalmazott Kutatási Közhasznú Nonprofit Kft.
Bay Zoltán Nonprofit Ltd. for Applied Research
www.bayzoltan.hu

Bay Zoltán Nonprofit Ltd. for Applied Research

Part 1



Bay Zoltán Nonprofit Ltd. for Applied Research is a leading applied research institution of Hungary

- Date of foundation: 1993
- Owned by the government, but not funded by the government
- Number of employees: 150



8

areas of
expertise

38

ongoing
international
projects

23 years

of experience in research and
development, innovation and
knowledge management

MORE THAN

200

industrial partner
companies

FACTS AND FIGURES

MORE THAN

150

international
projects successfully
implemented

120

researchers
employed

Close to
6 million

EUR income
per year

professional
cooperation with almost
150 internationally
acclaimed scientific
institutions from

42

countries

4

research facilities
competitive by European
standards with
10.000 m²
total lab area

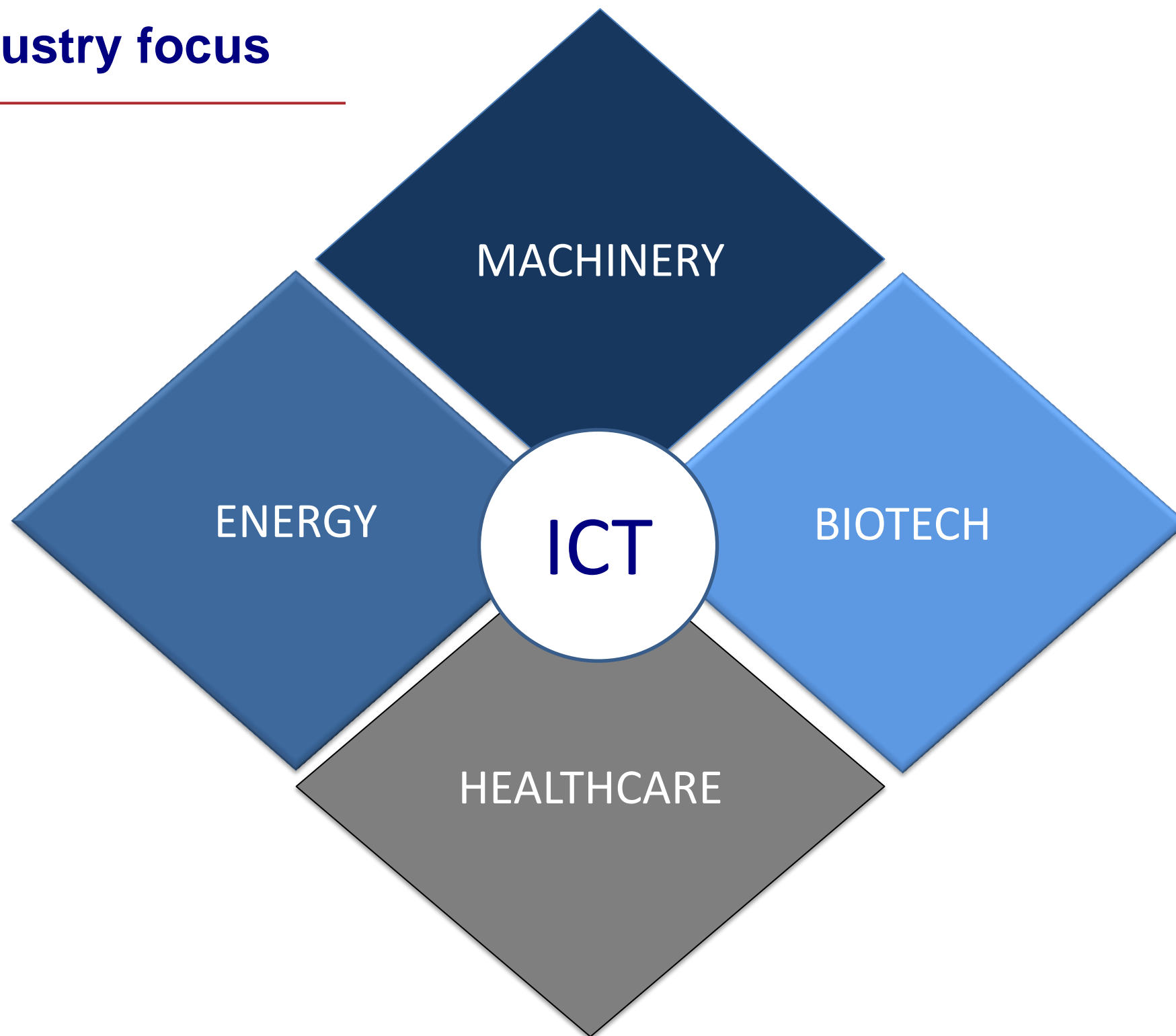
Strategic business areas

R+D+I

Engineering

International Projects &
Business Development

Industry focus



Strategic Areas

- Material science
- Biotechnology
- Infocommunication
- Product and manufacturing technologies
- Environmental protection
- Structural Integrity, operational safety and reliability
- Logistics
- Mechanical, Physical, Chemical-Analytical Measurement Technology (Performing tests and analyzing mechanical, physical and chemical properties of materials and products)



Organizational structure

A vertical diagram showing three organizational components. Each component consists of a light beige circle on the left, connected by a thin black line to a dark blue rectangular box on the right. The boxes contain white text describing the functions of each division.

Divisions: ENGINEERING, BIOTECHNOLOGY,
SMART-SOLUTIONS (ICT, SMART Cities)

Knowledge Management Centre (Grant
application, Project Management)

Business Development (international)
Networking, representation, building partnership
and cooperation)

Academia – Industry/ Business cooperation

Part 2.



Forms of Academia – Industry/ Business cooperation

A diagram consisting of three white circles with red outlines, arranged vertically and connected by a red line. The top circle is connected to the middle one, and the middle one is connected to the bottom one. The top circle also has a short line extending from its top-left edge.

Create long-term partnerships and opportunities

Drive innovation, entrepreneurship and creativity

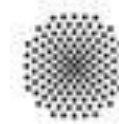
Encourage technology and knowledge transfer

Create long-term partnerships and opportunities

150 international projects in 25 years!

- ❖ EU R+D+I Programmes (FP7, Horizon2020, COPERNICUS, EURATOM)
- ❖ European Territorial Cooperation Programmes (INTERREG, Central- Europe, South- East Europe)
- ❖ Cross-border co-operation (HU-SK, HU-RO)
- ❖ EIT-KIC (Knowledge and Innovation Community) Raw Materials, InnoEnergy
- ❖ IEE (Intelligent Energy for Europe) programme
- ❖ Hungarian Grants

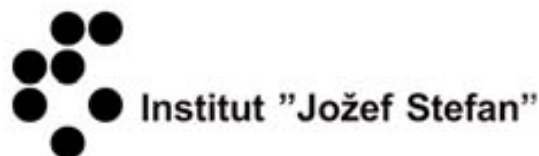
Some of our international partners



Universität Stuttgart



edf



Some of our key partners



Paksi Atomerőmű Zrt.



Drive innovation, entrepreneurship and creativity



Metal foams panels-
Aluinvent Ltd.: industrial
scale technology
supported with of venture
capital.



**Virtual Reality
Laboratory** – training
platform for operations
and maintenance - EIT
KIC
InnoEnergy

FLIKE - ByeGravity Ltd.:
spinned off from
Bay Zoltán Nonprofit Ltd.
to work on preparing a
second prototype and
small series production
using venture capital
investment.

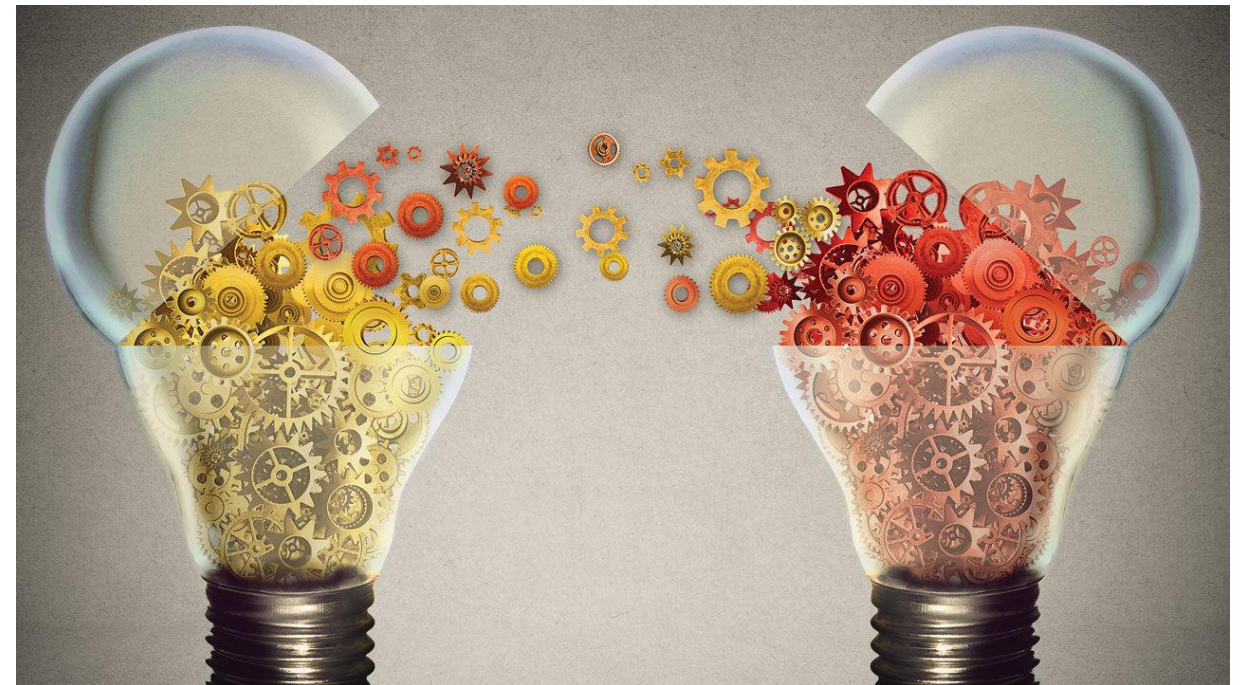


Encourage technology and knowledge transfer

*The movement of scientific methods of production or distribution from one enterprise, institution or country to another, as through **foreign investment, international trade, licensing or patent rights, technical assistance or training.***

Exploitation methods:

- *licensing agreements*
- *setting up joint ventures and partnerships*
- *corporate vehicles e.g. spin-outs,*
- *Intentional Technology Transfer Agreements.*



Sample project:

- Chinese- Hungarian Technology Transfer Center – Chongqing
- Digital Export Strategy



Bay Zoltán
Nonprofit Ltd.
for Applied Research

THANK YOU
FOR YOUR ATTENTION!