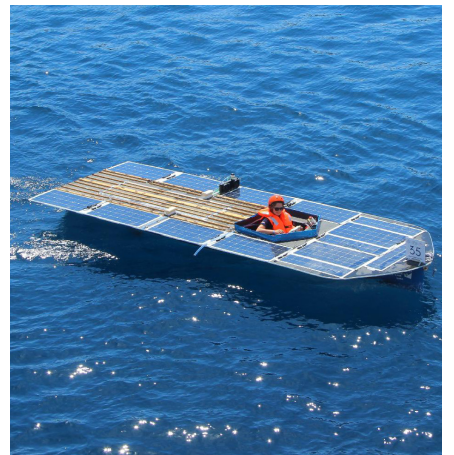
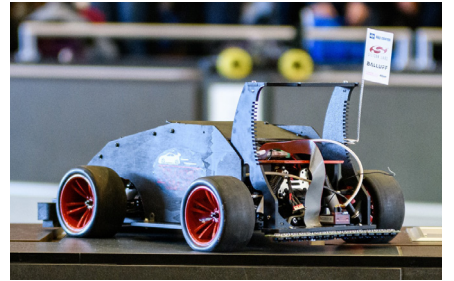




BME 2030

A University shaping the future



THE VISION OF BME

The primary goal of the Budapest University of Technology and Economics (BME) is to contribute to the national processes of value creation and to strengthen economic competitiveness with its outstanding competencies, scientific results, and knowledge assets. Through its education, research, and development activities, BME creates an intellectual base and scientific powerhouse that inspires students to achieve internationally recognized excellence. The university gives them the ambition for creation and innovation across the country.



The excellence of the eight faculties of BME in their own fields of expertise provides a unique multidisciplinary knowledge background, which

creates a university knowledge asset that is relevant to global and domestic challenges, enhancing security, a sustainable future, and contributing to economic development and competitiveness.

ensures that university education and R+D+I activities are the „engine“ for the development of domestic companies, providing efficient knowledge transfer and an adequate supply of development engineers.

achieves the effective institutional development of the University, aiming at a BME that is significantly advancing and recognised in international rankings.

identifies the technological breakthrough opportunities that Hungary can exploit to move rapidly and significantly forward in international innovation rankings (e.g. Global Innovation Index).

enables the pursuit of research of international excellence in a given field, thereby contributing to the development of science and raising the international reputation of our country.

provides the professional background to solve technical problems in companies quickly and efficiently, and through industrial cooperation, helps innovative results to get into the economic cycle as soon as possible.



1782

Joseph II signs the founding charter of the Institutum Geometrico Hydrotechnicum.



1872

Károly Zipernowsky, one of the founders of the Hungarian power electrical engineering industry, begins his studies at the university.



1899

Alfréd Hajós, the first Olympic champion of the university and of Hungary, obtains his degree in architecture.



1920

Eszter Pécsi, the first female engineer, graduates.



1986

Bertalan Farkas, the first Hungarian astronaut, graduates from the Faculty of Transportation Engineering at the University.



1971

Dénes Gábor is awarded the Nobel Prize in Physics for his discovery of holography.



1967

Ernő Rubik jr., game designer and inventor, receives his degree in architecture.



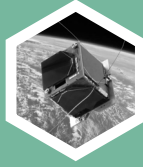
1963

Jenő Wigner, chemical engineer, is awarded the Nobel Prize in Physics.



1994

György Oláh, a chemical engineer and former lecturer at the BME, is awarded the Nobel Prize in Chemistry.



2012

The first Hungarian-built small satellite, Masat-1, is completed, followed by SMOG-P in 2019, also developed at the BME.



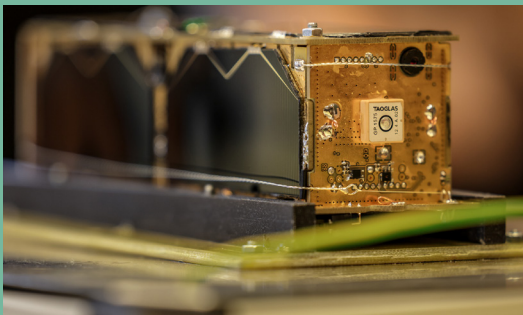
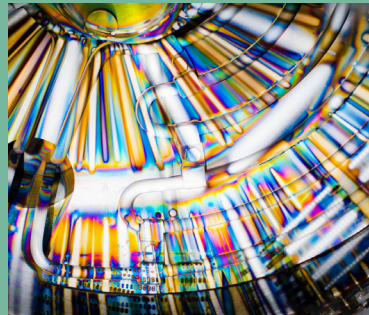
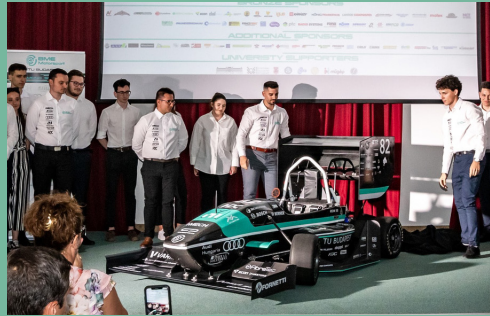
2022

The developers of the mRNA vaccine capsule are inspired by the "Gömböc", the discovery of Gábor Domokos and Péter Várkonyi, university professors.



2023

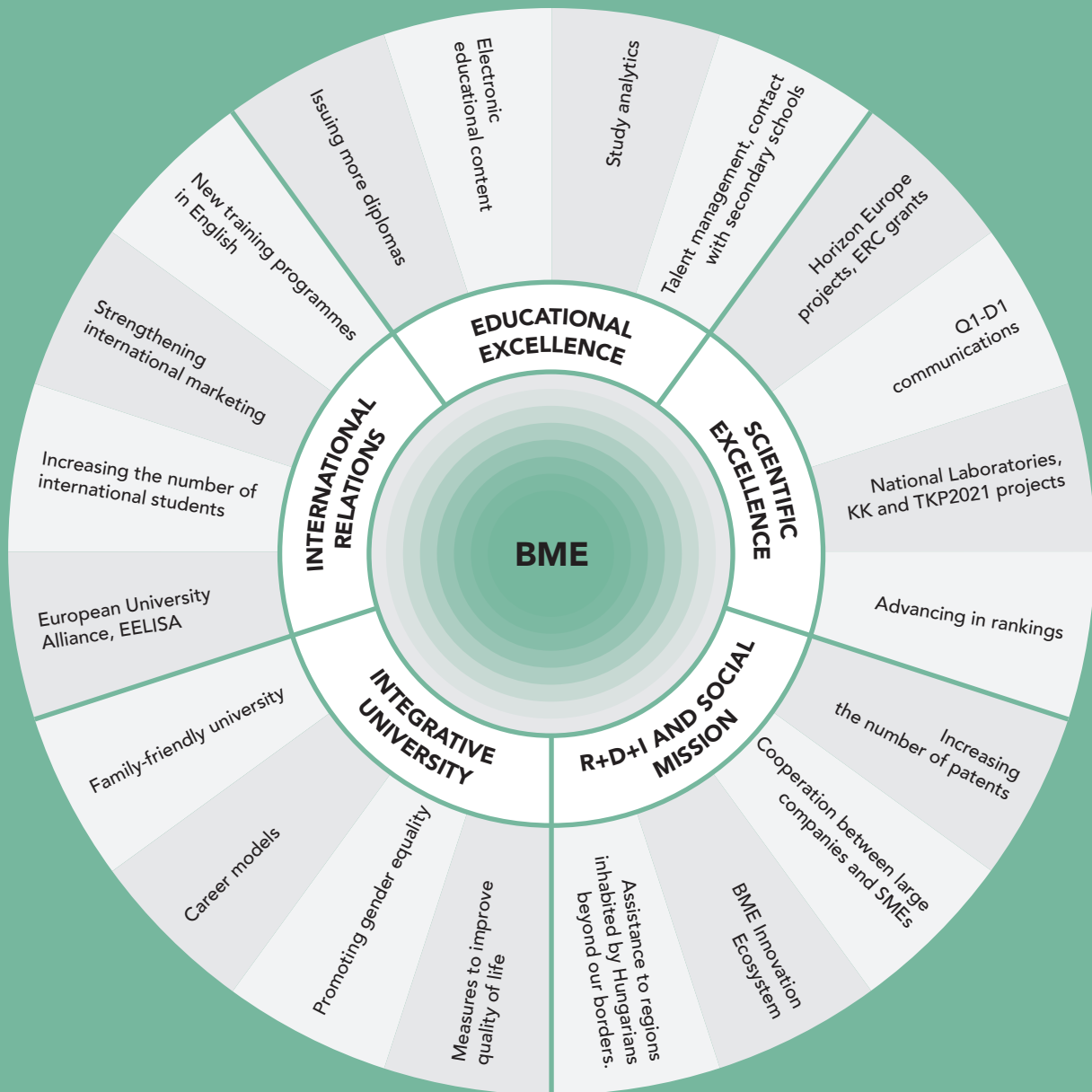
Ferenc Krausz, the former student and researcher of BME is awarded the Nobel Prize in Physics.



Today, more than 1,200 faculty members and nearly 22,000 students are working day-by-day at the eight faculties of BME to help the university in achieving its strategic objectives.

- Faculty of Civil Engineering
- Faculty of Mechanical Engineering
- Faculty of Architecture
- Faculty of Chemical Technology and Biotechnology
- Faculty of Electrical Engineering and Informatics
- Faculty of Transportation Engineering and Vehicle Engineering
- Faculty of Natural Sciences
- Faculty of Economic and Social Sciences

SCIENTIFIC EXCELLENCE:



OUR MISSION, VISION AND VALUES

The BME's goals and vision build on the preservation and further development of the university values and point to a viable future.

OUR MISSION

Excellence in science and engineering, in the service of society: educating open-minded students in a creative higher education setting. Social responsibility in the communication and application of the results of science and technology. Providing a mutually inspiring creative environment for students, lecturers, and researchers.

OUR VISION

Effectively implementing the four pillars of modern university engagement: providing excellent educational programmes with digital content and educational analytics that support student outcomes, conducting cutting-edge research, implementing effective innovation processes, and ensuring that these elements are managed in an ecosystem-like and sustainable way.

OUR VALUES

Excellent students, lecturers, and researchers: four Nobel laureates in the university alumni community, students participating in excellence programmes, and internationally recognized lecturers.

Leader in research and education: with its 22,000 students, BME is the leading technical higher education institution in Hungary, spearheading the development of engineering, economics, and natural science. BME is ranked in the top 5% of international rankings and the top 200 in international discipline rankings.

International and regional excellence: BME is an internationally excellent institution, which is at the forefront of contributing to the development of modern technologies in the Central European region. It builds partnerships with universities and the academic community in regions inhabited by Hungarians beyond our borders.

Industrial relations: BME streamlines innovation with its knowledge assets derived from its research results and diverse industrial collaborations, increases the competitiveness of domestic companies and the national economy, and is an active player in open innovation processes.

Social commitment: Based on its scientific and development potential, BME plays a transformative role in addressing the challenges of modern society, builds community, and brings people closer to science and culture.



Chancellor Miklós Verseghe-Nagy
and Rector Tibor Czigány

FOCAL POINTS

Building on 240 years of existence and value creation, the BME expands and nurtures national knowledge and strengthens social values and stability by:

EDUCATION

Providing competitive knowledge for future technologies

- strengthening links with secondary schools and promoting engineering, natural science and IT
- increasing the output of graduates
- meeting business needs
- restructuring the training structure
- increasing the number of doctoral students.

R+D+I

New scientific results and efficient technology transfer in

- digitalization
- materials sciences
- energy
- sustainability
- the health sector.

INNOVATION

Providing effective support

- for start-ups
- innovation-driven businesses
- SMEs
- large companies.

SOCIAL RESPONSIBILITY

An open university at the service of society

- fopen doors, lively laboratories
- cultural events
- citizen involvement
- smart campus, smart Újbuda.



