Gdańsk University of Technology

FACTS AND FIGURES

SMART University

Table of contents

Location 4
History 6
Patrons 7
Mission 8
Vision 9
Rankings 10
Students 11
Faculties 12
Education 13
Graduates 14
International 15
Research 16
Business 17
Campus 18
Finances 20

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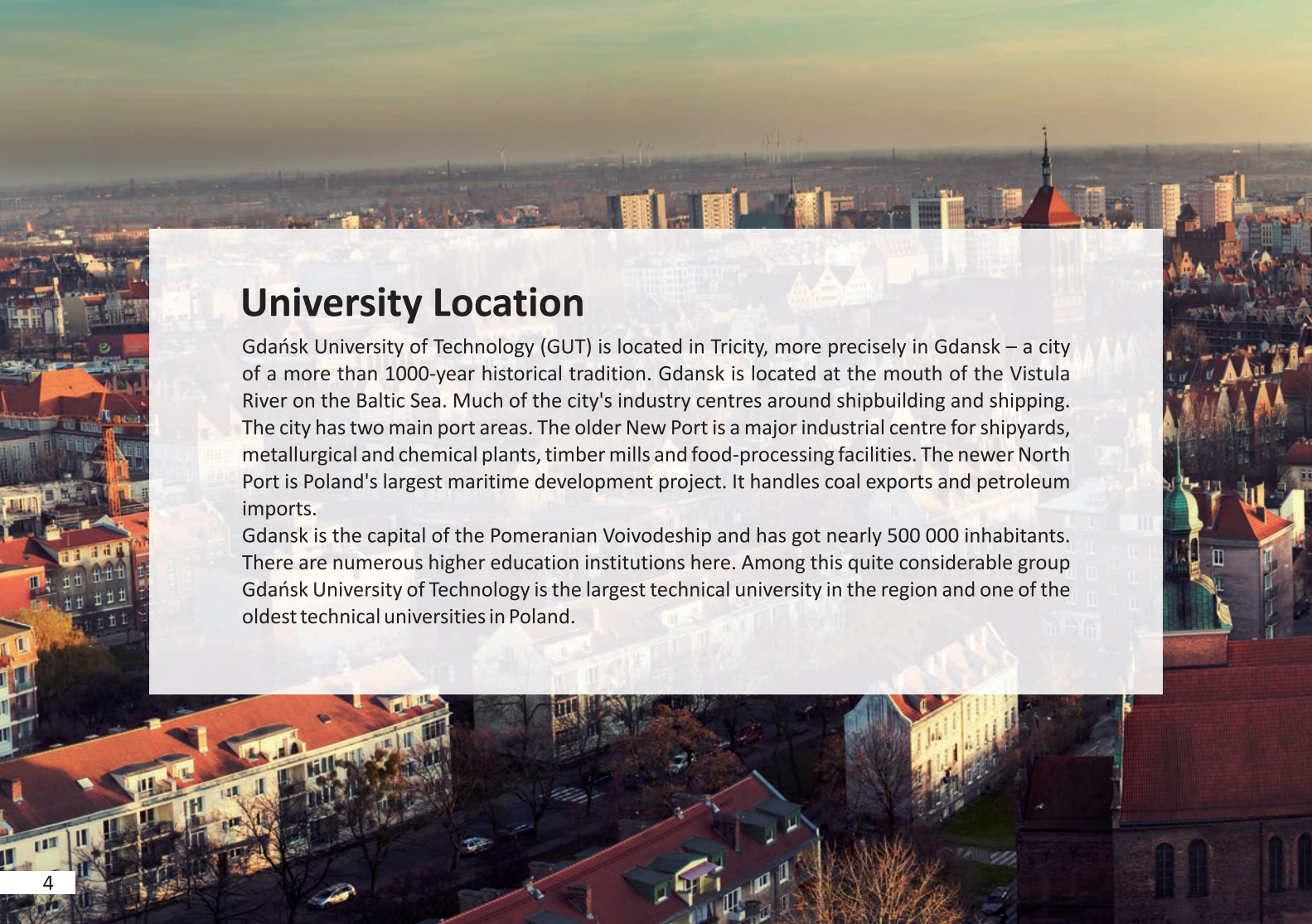
Main Building's tower - burned down during World War II - reconstructed in 2012.

Gdańsk University of Technology
FACTS AND FIGURES

Published by Gdańsk University of Technology
Promotion Department
2013



University Location

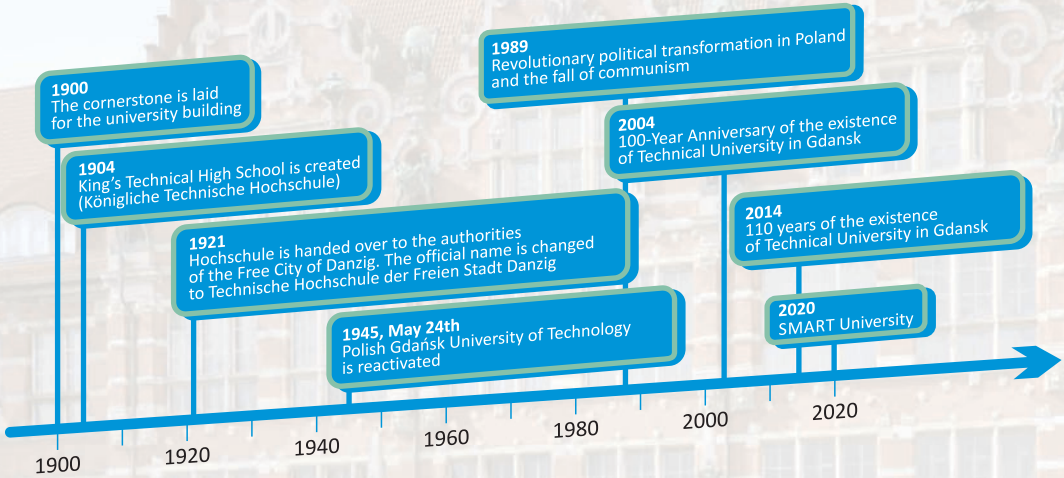
Gdańsk University of Technology (GUT) is located in Tricity, more precisely in Gdansk – a city of a more than 1000-year historical tradition. Gdansk is located at the mouth of the Vistula River on the Baltic Sea. Much of the city's industry centres around shipbuilding and shipping. The city has two main port areas. The older New Port is a major industrial centre for shipyards, metallurgical and chemical plants, timber mills and food-processing facilities. The newer North Port is Poland's largest maritime development project. It handles coal exports and petroleum imports.

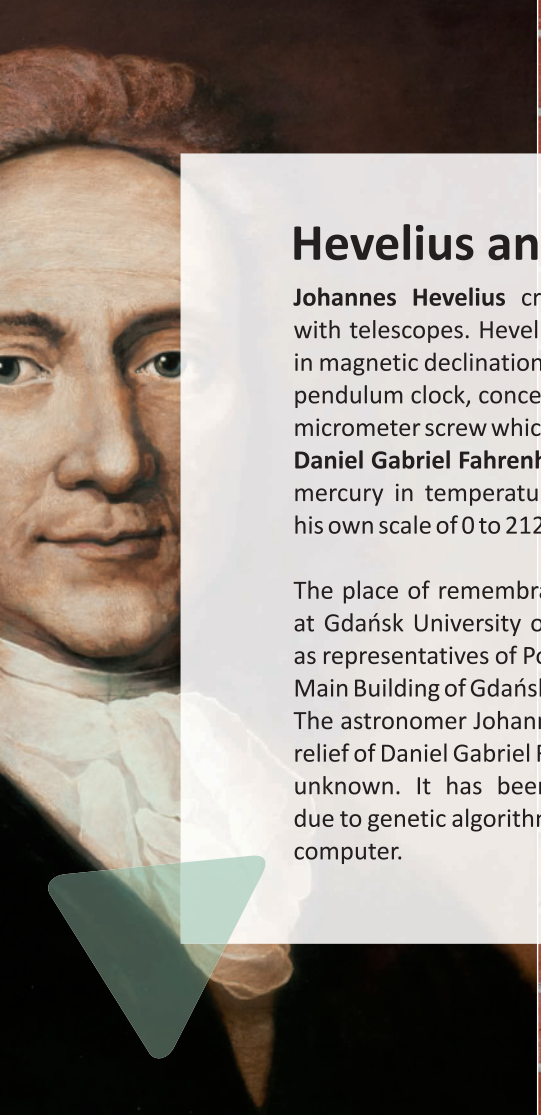
Gdansk is the capital of the Pomeranian Voivodeship and has got nearly 500 000 inhabitants. There are numerous higher education institutions here. Among this quite considerable group Gdańsk University of Technology is the largest technical university in the region and one of the oldest technical universities in Poland.

In 1980, Gdansk Shipyard was the birthplace of the Solidarity trade union movement, whose opposition to the Communist regime led to the end of Communist Party rule in 1989 and sparked a series of protests that successfully overturned the Communist regimes of the former Soviet bloc. Solidarity's leader, Lech Walesa (awarded the Nobel Peace Prize in 1983) became President of Poland in 1990.

For the last 20 years city of Gdansk has been consequently implementing strategy of sustainable development in which main role is played by knowledge economy.

Historical Calendar





Hevelius and Fahrenheit – University Patrons

Johannes Hevelius created the first world's great astronomical observatory equipped with telescopes. Hevelius was also a physicist because he discovered centuries old changes in magnetic declination. Finally, he was a technician too, because he constructed Poland's first pendulum clock, conceived, designed and built the first world's periscope, as well as the first micrometer screw which belongs today to the Gdansk City Council.
Daniel Gabriel Fahrenheit was born in Gdansk. He is mainly known for being the first to use mercury in temperature measuring devices (previously alcohol was used) and developed his own scale of 0 to 212 degrees.

The place of remembrance of the two distinguished physicists – Hevelius and Fahrenheit – at Gdańsk University of Technology is, therefore, more than justified. They are considered as representatives of Polish science. By virtue of the Resolution of the Senate, the Yards in the Main Building of Gdańsk University of Technology have been named after the two scientists.
The astronomer Johannes Hevelius has been commemorated with a relief. The works on the relief of Daniel Gabriel Fahrenheit proved to be a much more difficult task as his image remains unknown. It has been designed by the scientists of Gdańsk University of Technology due to genetic algorithm and a specially designed computer application running on our super-computer.

University Mission

Our mission is to provide high quality education to meet the needs of the dynamically growing economy and the knowledge-based society. We are committed to carry out scientific research at the highest, international level of excellence in the conditions of the globalising world, as well as realising innovative undertakings to contribute to society through active participation in civilisation transformation, in particular that of science and technology

University Vision - SMART University:

S - strategically determined

raising funds to realise strategic goals, in accordance with the priorities and undertakings of the EU, Poland and the region

M - maximally innovative

implementing new mechanisms and taking the advantage of organisations that stimulate the development of innovative solutions, both for GUT and the region

A - attractive to all

designing and introducing LLL solutions, using team approach to project and e-learning in the studies syllabuses, modernisation of educational and research laboratories, focus on practical applications of research

R - refining personalities

creating a positive environment for the development of all students, doctoral students and employees, particularly the best students, through setting ambitious tasks and rewarding significant results

T - teamworking with passion

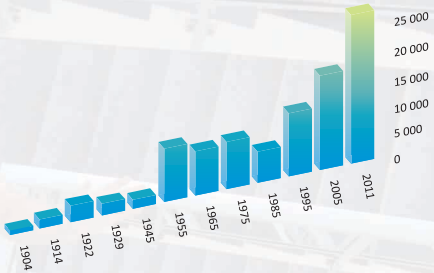
gradual removing of barriers and administrative obstacles, favouring verified models, nourishing the culture of work and innovation friendly environment

High positions in Polish rankings!

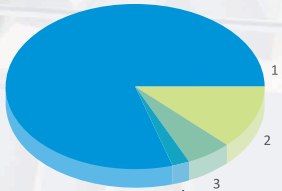
- **2nd most popular** with candidates university in Poland according to the ranking of the Ministry of Science and Higher Education. Fourth time in a row!
- **3rd position** in regard to salaries of university graduates in Poland
- **4th position** in the ranking of universities which graduates hold CEO positions
- **2nd position** in the PRODOK ranking of the most doctoral-candidate-friendly university in Poland

The best Faculty of Chemistry in Poland according to the Polish Accreditation Committee and the Ministry of Science and Higher Education

TOTAL NUMBER OF STUDENTS
IN THE YEARS 1904-2011



THE STRUCTURE OF STUDIES
and the number of students per each type:



1. full-time studies: 79,7%
21 432
2. part-time studies: 12,5%
3 352
3. post-graduate and MBA studies: 5,7%
1 532
4. doctoral studies: 2,1%
584

Faculties

Faculty of Architecture
Faculty of Chemistry
Faculty of Electronics, Telecommunications and Informatics
Faculty of Electrical and Control Engineering
Faculty of Applied Physics and Mathematics
Faculty of Civil and Environmental Engineering
Faculty of Mechanical Engineering
Faculty of Ocean Engineering and Ship Technology
Faculty of Management and Economics

33 fields of study
3 inter-faculty fields of study
2 inter-university fields of study
first and second cycle studies, PhD studies, both full-time and part-time, post-graduate and MBA studies
more than **1 200** academic staff members

New model of education - Engineer of the Future

Gdańsk University of Technology has won the competition for EU funds to implement the Engineer of the Future project. The project proposes a new model of education focused on team designing and acquiring skills such as efficient collaboration, undertaking risk, or analytical problem solving. The funds raised will be spent on infrastructure modernisation and new laboratories.

The university has been awarded the **ECTS label** – an international certificate of quality of the study programme which confirms that the study programme of all fields of study is aimed at strengthening practical competence of students. Gdańsk University of Technology gains interesting experience through participating in the works of international consortium **CDIO**, which members want to educate engineers basing on the algorithm "Conceive – Design – Implement – Operate".

cdio™

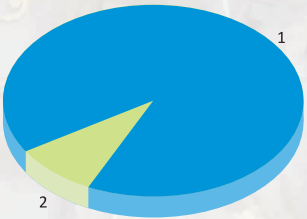
ECTS Label
2011 — 2014
Awarded by the European Commission to
POLITECHNIKA GDAŃSKA

Over 100 000 Graduates!

About 11 080 people graduated from the Technical University in Gdansk in the years 1904-1939. The total number of all graduates of Gdańsk University of Technology since 1945 amounts to 89 000 as of 12th December 2012. Therefore, it is jointly already over 100 000 graduates that have left GUT with diplomas in their hands.

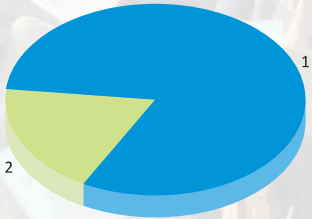
From the GUT 2010 graduates employment statistics.

Are you currently employed?



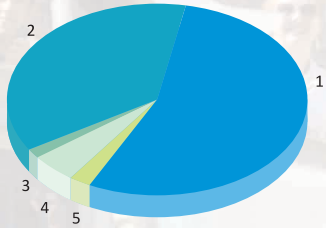
1 - Yes **92%**
2 - No **8%**

Is your employment in line with your field of study at GUT ?



1 - Yes **79 %**
2 - No **21 %**

Are you satisfied with graduating from GUT?



1 - Definitely yes **53 %**
2 - Quite satified **39 %,** 3 - I don't know **1 %**
4 - Rather not **5 %**, 4 - Definitely no **2%**

International collaboration

Gdańsk University of Technology constantly develops its broad international cooperation by participating in various international educational programs, networks and wide cooperation with partner institutions. GUT signed over 400 inter-institutional agreements within Erasmus Programme and over 70 bilateral contracts of general character. To strengthen international potential GUT coordinates and participates in projects such as **LLP Intensive Programme, Erasmus Mundus, Jean Monnet, CEEPUS, Tempus or Leonardo da Vinci.**

GUT is a founding member of the **Baltic Sea Region University Network (BSRUN) and IRO's Forum**. The mine goal of both networks is to increase effectiveness and broaden university international relations. GUT's students and academics take advantage of numerous foreign scholarships. Modern laboratories, great intellectual potential, great number of scientific societies and student organizations encourage foreign professors and students to come to our University. All this constitutes a perfect scientific and multicultural environment to interact, acquire experience and exchange ideas and good practices among people from various countries.

Scientific research

300 inventions ready for implementation

200 research and development projects currently carried out

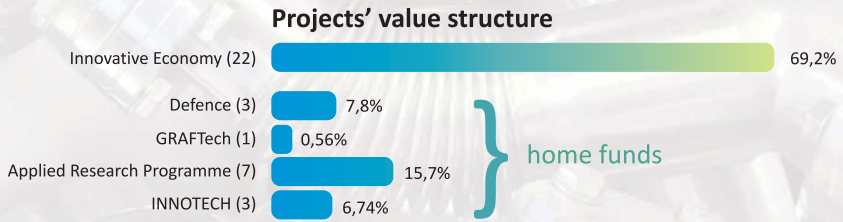
700 agreements with entrepreneurs during 3 years

There are high investment projects carried out under the MAESTRO programme, the Applied Research Programme, the LIDER programme, the INNOTECH programme, or a new GRAF-TECH programme. A project for outstanding students is also carried out at the university under the name of Diamond Grant.

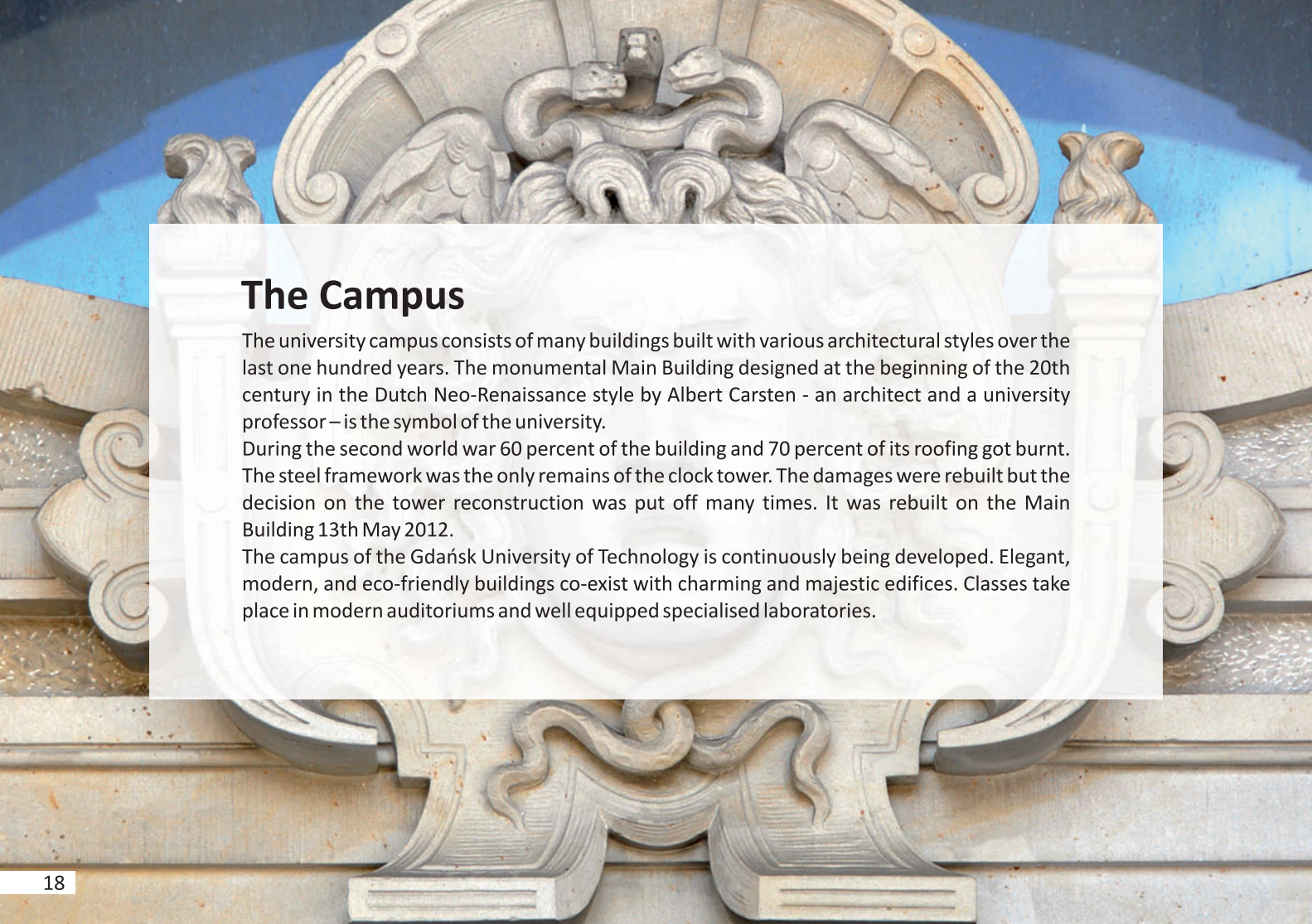
Gdańsk University of Technology may boast of other successes in raising funds from foreign institutions, for instance, the university takes part in the realisation of a prestigious grant financed under the EU's Seventh Framework Programme under the IDEAS programme – which is compared to European Nobel prize in science. Gdańsk University of Technology currently carries out 26 projects under international research programmes.

Business cooperation and technology transfer

Currently many innovative research and development projects are being carried out at Gdańsk University of Technology aimed at implementation of technologies financed with home funds. Most of those projects are financed with the “Innovative economy” Operational Programme.



The employees of Gdańsk University of Technology are involved in permanent cooperation with a large number of companies, among which the following should be listed:
INTEL Technology Poland, Samsung Electronics Polska, IBM Polska, Young Digital Planet, Blue Services, TechnoService, Datera, Learnetics, IVO Software, FIDO Intelligence, GE Hitachi Nuclear Energy International, PGE Górnictwo i Energetyka Konwencjonalna, KGHM Polska Miedź, LOTOS Asfalt, PKN Orlen, Schlumberger LTD, Deep Ocean Technology, BioLab Innovative Research Technologies, BLIRT SA and Kruszwica



The Campus

The university campus consists of many buildings built with various architectural styles over the last one hundred years. The monumental Main Building designed at the beginning of the 20th century in the Dutch Neo-Renaissance style by Albert Carsten - an architect and a university professor – is the symbol of the university.

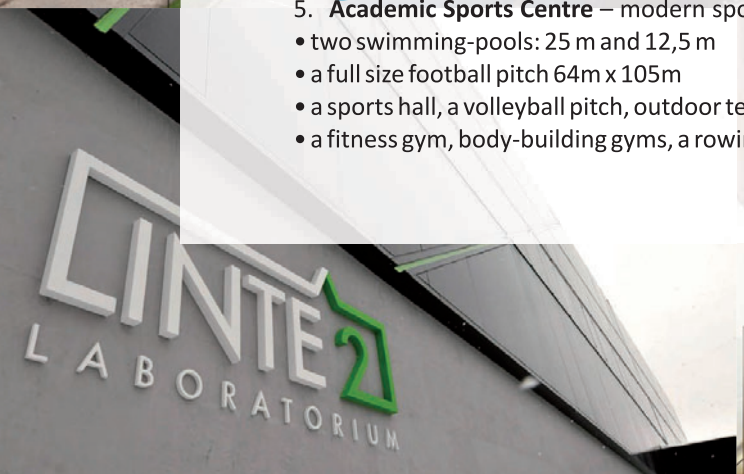
During the second world war 60 percent of the building and 70 percent of its roofing got burnt. The steel framework was the only remains of the clock tower. The damages were rebuilt but the decision on the tower reconstruction was put off many times. It was rebuilt on the Main Building 13th May 2012.

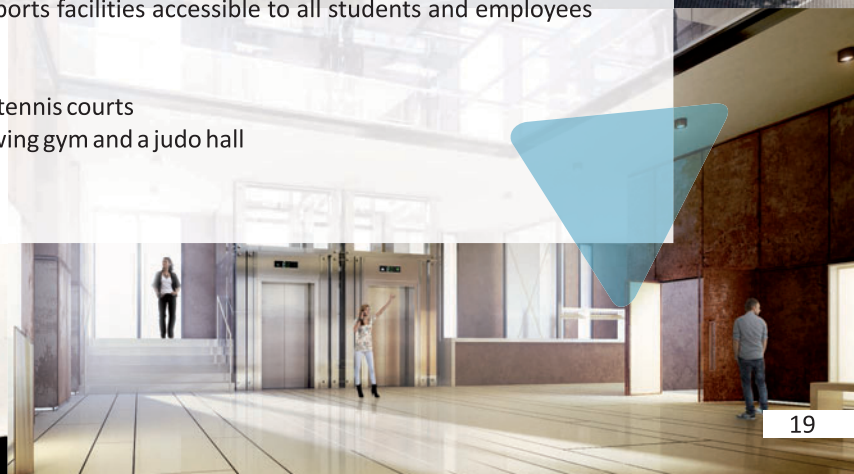
The campus of the Gdańsk University of Technology is continuously being developed. Elegant, modern, and eco-friendly buildings co-exist with charming and majestic edifices. Classes take place in modern auditoriums and well equipped specialised laboratories.

There are the following modern supporting units as well as educational and research centres within the university campus:

1. **Nanotechnology Centre** where 25 modern laboratories are being built and which will be equipped with unique devices for tests at the level of atoms
2. **LINTE^2** Laboratory of Innovative Electrical Power Technologies and Integration of Renewable Energy Sources
3. **Maths and Distance Learning Centre** that uses the most modern ICT technologies in modern tools for mathematical modelling and visualisation of data
4. **ICT Educational and Research Centre** that collaborates with over 100 companies in Pomerania and their partners in Kuyavia and Mazovia
5. **Academic Sports Centre** – modern sports facilities accessible to all students and employees

- two swimming-pools: 25 m and 12,5 m
- a full size football pitch 64m x 105m
- a sports hall, a volleyball pitch, outdoor tennis courts
- a fitness gym, body-building gyms, a rowing gym and a judo hall





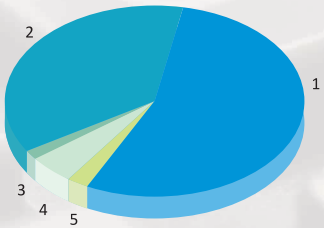
Finances

Educational activity is the main source of university revenue as it amounts to 58%. The university receives subventions from the state treasury but it is its paid educational services that constitute university's basic operating income source.

Research activity brings 30% of total revenue and its main categories are: subventions for statutory activity, funds to carry out projects financed by the National Centre for Research and Development and the National Science Centre, as well as funds for financing international collaboration with foreign institutions. A part of the university profit comes also from the sales of expertises as well as the research and development services.

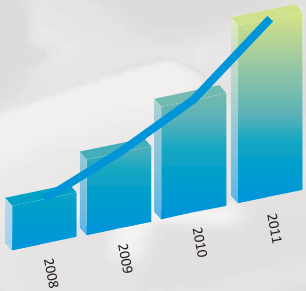
The financial situation of the university in the years 2008-2011 is represented by the graphs below:

REVENUE STRUCTURE



1 - Educational activity **58 %,**
2 - Research activity **30 %,**
3 - Separate economic activity **1 %,**
4 - Non-operating revenues **5 %,**
5 - Financial revenues **2%**

INCOME GROWTH TRENDS







GDAŃSK UNIVERSITY OF TECHNOLOGY

Modern university
with imagination and prospects

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