

**Selected areas of expertise at Gdańsk University of Technology designed
to support academic and administrative staff in the preparation of
external funding applications**

– as on 01.12.2025¹



¹ The information presented in this document has been prepared on the basis of data from the Moja PG system, the website www.pg.edu.pl, as well as internal data prepared by individual organisational units of Gdańsk Tech for the purposes of this report.

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APPLICANT INFORMATION

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80-233 Gdańsk, Poland

Voivodeship: Pomorskie
County: Gdańsk (city)
Municipality: City of Gdańsk
Post Office: Gdańsk

Tax Identification Number (NIP): 584 020 35 93
National Business Registry Number (REGON): 000001620

Polish Classification of Activity Code

85.42.Z – Higher Education Institutions

Funding & Tenders - European Commission Portal

At Gdańsk Tech, the person responsible for managing the legal and financial information of the organisation in the Participant Register on the Funding & Tenders Portal (European Commission) is Ms. Magdalena Urbanowicz from the Project Management Office (acting as LEAR).

e-Delivery (e-Doręczenia)

The e-Delivery system is the national electronic delivery service enabling the transmission of correspondence in digital form, serving as the equivalent of a traditional registered letter and a registered letter with return receipt. This service allows public entities, citizens, and companies to use secure and convenient electronic deliveries.

As of 1 January 2025, Gdańsk University of Technology has activated its e-Delivery address:
AE:PL-96874-63482-HDEBH-16

Financial Statements and Internal Control for 2022–2024

Information is [available here](#).

Statistic Poland (GUS) Report on Research and Development Activities for 2022–2024

The R&D activity report (i.e. PNT-01) for the reporting period:

- 2024 constitutes Appendix No.2 to this document
- 2023 constitutes Appendix No.3 to this document
- 2022 constitutes Appendix No.4 to this document

APPLICANT DESCRIPTION

Gdańsk University of Technology (Gdańsk Tech) is a public academic institution with legal personality. The university, in its current form, was established by Decree-Law of the Council of Ministers of 24 May 1945 (Journal of Laws No. 21, item 121).

Gdańsk Tech operates under the Act of 20 July 2018 – Law on Higher Education and Science, and under its Statute of 29 April 2019, adopted by the Senate of Gdańsk Tech. In accordance with §4 of the Statute, the university's core tasks include:

- conducting scientific research and providing research services,
- transferring knowledge and technologies,
- delivering education at various levels and in different forms,
- supporting the professional development of the staff,
- creating conditions enabling persons with disabilities to participate in university life,
- educating students in the spirit of civic responsibility and respect for human rights,
- promoting physical culture, science and cultural heritage,
- cooperating with the socio-economic environment within the so-called third mission of the university.

Gdańsk Tech is one of the leading technical universities in Poland. Since 2021, it has ranked 3rd in the national “Perspektywy” ranking, and in 2024 moved up from 6th to 5th place among all academic institutions in Poland. The university offers a modern, integrated campus consisting of approx. 60 buildings with teaching facilities, specialist laboratories, and other infrastructure supporting the educational process. More detailed information on research infrastructure is provided in the chapter “Research Infrastructure.”

Since 2019, Gdańsk Tech has been a laureate of the “Initiative of Excellence – Research University” (IDUB) programme, supporting top ten universities in Poland. In this national competition, Gdańsk Tech secured 2nd place, what resulted in receiving nearly PLN 200 million in additional funding, representing 10% of the subsidy in 2019.

Grant schemes launched under the IDUB initiative are targeted at students, doctoral candidates, and staff of Gdańsk Tech, as well as external researchers whose work can contribute to the university's development. These programmes support, among others, the acquisition of prestigious international research grants, publication activities, research costs, and the development of young researchers in areas aligned with the university's Priority Research Centres. Information on scientific publications is presented in the chapters “Research and Scientific Publications” and “Sustainable Development.”

Within its organisational structure, Gdańsk Tech runs four major scientific centres:

- **Centre for Digital Technologies** – The Centre develops advanced technological solutions in the fields of electronics, computer science, automation, robotics, mechatronics, and telecommunications. Research teams also carry out projects related to robotisation and automation.
- **BioTechMed Centre** – The Centre focuses on research and implementation of modern technologies in biomedical engineering, molecular and pharmaceutical biotechnology, and

novel drug discovery methods. Researchers work on new biomedical measurement techniques (including the application of artificial intelligence), patient diagnostics and therapies, as well as dedicated control systems for devices widely used in medicine, including rehabilitation equipment and exoskeletons.

- **EkoTech Centre** – The Centre addresses the development of a harmonious and sustainable human living environment in response to current environmental challenges, climate change, as well as social and demographic transformations. Researchers develop solutions aimed at mitigating the negative effects of human activity and seek innovative pro-environmental solutions for smart urban and non-urban areas. In addition, they develop new methods for environmental and infrastructure monitoring, as well as modern technologies for electricity and heat generation that reduce carbon footprint and contribute to meeting emission requirements.
- **Centre for Future Materials** – Research teams within the Centre focus on the production and characterisation of innovative materials, including polymer and carbon-based materials, nanomaterials, superconductors, and high-temperature conductive materials, with applications in industry, medicine, aeronautics, and ocean engineering. The Centre also conducts research on manufacturing technologies for innovative structures and devices, materials recycling, and metrology.

In addition, at Gdańsk Tech function research and implementation centres which coordinates research, design, and expert activities in cooperation with the socio-economic environment across four key areas: nuclear energy, offshore wind energy, hydrogen technologies, and security and defence technologies. These centres include:

- **Centre for Security and Defence Technologies** – A centre responsible for coordinating and supervising production, service, and commercial activities related to security and defence technologies, as well as the manufacture and trade of military- or police-designated products and technologies, in accordance with the scope of the granted licence.
- **Centre for Hydrogen Technologies** – Provides comprehensive support for hydrogen-related projects, from the conceptual phase through solution design, modelling of production processes, diagnostics, and maintenance of developed solutions, as well as the development and maintenance of existing hydrogen-based technologies. The Centre also offers specialist services necessary for applying for European funding, expert analyses using modern diagnostic and measurement equipment, contracted research, and training activities.
- **Nuclear Energy Centre** – The Centre's mission is to coordinate research, development, training, design, and expert activities related to nuclear energy, in cooperation with external entities.
- **Offshore Wind Energy Centre** – A research and technology implementation centre focused on the development of knowledge and technologies related to offshore wind energy. It serves as a platform for cooperation among academic institutions, industry partners, and government agencies in the areas of research, innovation, and educational initiatives within the offshore wind energy sector.

Gdańsk Tech is also the leader of the Tri-City Academic Computer Network (TASK), within which the TASK Computer Centre (CI TASK) operates. The Centre's mission is to provide the academic community of the Tri-City area with access to national and global IT networks, as well as to maintain and make

available high-performance computing systems and scientific software. CI TASK operates as an independent organisational unit. The Centre provides access to the Tryton supercomputer and supports the academic community in the areas of high-performance computing, databases, and software. It also participates in numerous national and European projects, including PLATON, PL-Grid, KMD, TAGO, and Mayday Euro 2012.

The TASK network is used directly or indirectly by several tens of thousands of users. It covers the entire Tri-City area, from Wejherowo to Górk Wschodnie, and—based on the infrastructure of the PIONIER network—extends to more than half of the counties of the Pomeranian region. The fibre-optic infrastructure of the TASK metropolitan computer network comprises 283 km of fibre-optic cables, including 65 km of fibres owned by external institutions under cooperation or lending agreements, and is continuously expanded and modernised.

A key undertaking implemented by CI TASK is the investment project *“Establishment of the STOS (Smart and Transdisciplinary knOwledge Services) Competence Centre in Gdańsk in the field of R&D infrastructure”* (Project No. RPPM.01.02.00-22-0001/17), carried out under the Regional Operational Programme of the Pomeranian Voivodeship for 2014–2020, Priority Axis 01 – *Commercialisation of Knowledge*, Action 01.02 – *Transfer of Knowledge to the Economy*. The initiative is financed by the Pomeranian Voivodeship and the Ministry of Education and Science, and co-financed by the European Regional Development Fund. The project is implemented under Agreement No. 14/2021/RPO, with a total value of PLN 155,736,786.65.

DESCRIPTION OF CARRIED OUT ACTIVITIES

Education

Gdańsk Tech is among the leading technical universities in Poland and has consistently been ranked at the top of national education rankings for many years. In the *Perspektywy* ranking, it has maintained 3rd place among technical universities for four consecutive years, and according to the Ministry of Science and Higher Education, it was ranked 3rd in terms of the number of applicants in the 2024/2025 academic year. As part of the evaluation for 2017–2021, the Ministry awarded Gdańsk Tech the highest category A+ in 6 out of 14 evaluated disciplines.

Gdańsk Tech offers degree programmes across eight faculties:

1. Architecture (WA),
2. Chemistry (WCh),
3. Electronics, Telecommunications and Informatics (WETI),
4. Electrical and Control Engineering (WEiA),
5. Applied Physics and Mathematics (WFTiMS),
6. Civil and Environmental Engineering (WILiŚ),
7. Mechanical Engineering and Ship Technology (WIMiO),
8. Management and Economics (WZiE).

The university offers several dozen undergraduate and graduate degree programmes (Bachelor's and Master's levels), conducted in both Polish and English. The educational portfolio is continuously expanding; in 2024, new programmes were launched, including *Industry 5.0 Technologies, Nuclear*

Energy, and Smart Renewable Energy Engineering. Gdańsk Tech also provides a broad range of postgraduate programmes, including offers for top management employees such as the *International MBA in Strategy, Programme and Project Management*.

In 2024, the university enrolled 15,643 students, including 13,001 full-time students, 1,679 part-time students, as well as 963 postgraduate and MBA students. In 2023, the total number of students was 15,622 (12,878 full-time, 1,843 part-time, 901 postgraduate/MBA), and in 2022 it was 14,977 (12,345, 1,799, 833 respectively). Approximately 36% of all students are women. As of the end of 2024, 419 doctoral candidates were enrolled in doctoral schools (488 in 2023 and 524 in 2022), including 107 international doctoral candidates (95 in 2023 and 87 in 2022). Of these, 359 were enrolled in the Doctoral School at Gdańsk University of Technology and 60 in the Industrial Doctoral School. Additionally, the university hosts approximately 1,000 international students from over 40 countries, including China, Ukraine, Belarus, Spain, France, Italy, Turkey, India, and Pakistan. Further information is provided in the chapter "*International Students and Doctoral Candidates*".

Academic Staff

A total of 1,245 academic teachers are engaged in teaching and research activities at Gdańsk Tech, including 422 women. The academic staff also includes 44 international researchers, reflecting the university's strong commitment to internationalisation. Academic staff continuously develop their professional competencies.

Since 1 March 2021, the Centre for Modern Education (CNE) has been operating at Gdańsk Tech. The Centre's primary objective is to enhance the quality of education by supporting academic staff in their teaching activities, improving professional competencies, and fostering a strong academic teaching community. The CNE carries out activities in the following areas:

- programmes aimed at enhancing teaching and methodological competencies and improving teaching quality,
- recognition and reward programmes for academic staff,
- wellbeing support programmes for academic staff,
- development of innovative digital products,
- initiatives integrating the academic teaching community at Gdańsk Tech, nationally and internationally,
- organisation of nationwide teaching conferences,
- programmes addressed to students.

Research and Scientific Publications

Gdańsk Tech for many years has been continuously focusing on intensive development of its research and scientific activities, achieving significant results at both national and international levels. Owing to dynamic scientific growth, active international cooperation, and consistent support for innovation, the university has become an important centre for generating new knowledge and technological solutions for the economy.

One of the key indicators of this dynamic development is the impressive volume of scientific publications. In 2024, Gdańsk Tech staff published 1,819 scientific articles, of which 1,298 appeared in

reputable journals indexed with an Impact Factor (in 2023: 1,764 and 1,284 respectively; in 2022: 1,830 and 1,202). Many of these publications were produced in cooperation with international partners and within interdisciplinary research teams.

Number of Research Outputs by Scientific Field²:

a) Humanities

2024: 160 research outputs,

2023: 132 research outputs,

2022: 97 research outputs,

b) Engineering and Technical Sciences

2024: 1,273 research outputs,

2023: 1,233 research outputs,

2022: 1,251 research outputs,

c) Medical and Health Sciences

2024: 771 research outputs,

2023: 767 research outputs,

2022: 739 research outputs,

d) Family Studies

2024: 194 research outputs,

2023: 135 research outputs,

2022: 127 research outputs,

e) Agricultural Sciences

2024: 647 research outputs,

2023: 688 research outputs,

2022: 697 research outputs,

f) Social Sciences

2024: 490 research outputs,

2023: 430 research outputs,

2022: 449 research outputs,

g) Natural and Exact Sciences

2024: 1,069 research outputs,

2023: 1,025 research outputs,

2022: 1,044 research outputs,

h) Theological Sciences

2024: 6 research outputs,

2023: 3 research outputs,

2022: 0 research outputs,

i) Veterinary Sciences

2024: 1 research output,

2023: 0 research outputs,

2022: 0 research outputs,

j) Arts

2024: 0 research outputs,

2023: 0 research outputs,

² Source: Moja PG system, Science module, Research Outputs tab, as on 23 September 2025.

2022: 0 research outputs.

In addition to publications, the scientific activity of Gdańsk Tech staff is reflected in the steadily increasing number of academic promotion proceedings. In 2024, 5 staff members were awarded the title of Professor, 14 obtained the degree of Doctor of Science, and 112 were awarded the Doctoral degree. In 2023, the corresponding figures were 8 Professors, 15 Doctors of Science, and 89 Doctors, while in 2022 they amounted to 4 Professors, 14 Doctors of Science, and 71 Doctors.

Research Infrastructure

Gdańsk Tech is equipped with modern research infrastructure that provides optimal conditions for the development of innovative solutions and for fostering synergy between scientific achievements and industry.

A detailed list of research infrastructure is provided in Appendix No. 1 to this document and is also available at: <https://resources.faru.edu.pl/>

Young Researchers

Support for young researchers at Gdańsk Tech is primarily provided by the Young Researchers Office (BMN), which initiates and implements a broad range of activities addressing the needs of approximately 900 young researchers, including doctoral candidates. The Office supports their academic careers and promotes access to development programmes and professional networks. It coordinates strategic initiatives such as maintaining the HR Excellence in Research award, implementing projects funded under the European Funds for Social Development (including projects entitled *Studies 5.0*, *Staff 5.0*, and *Universities of the Future*), and supporting bottom-up initiatives proposed by young researchers. The Office also focuses on communication and the development of a supportive working environment for doctoral candidates, assistants, and assistant professors.

Together with the Young Researchers Team, the Office addresses challenges at both the university-wide and local levels—within faculties and doctoral schools. They conduct regular survey-based studies to identify barriers faced by young researchers at Gdańsk Tech. Based on the 2022 survey, approximately 20 recommendations were proposed and subsequently incorporated into the HR4R Strategy for 2022–2025 and implemented as tasks under the IDUB initiative.

To assess the effectiveness of the measures undertaken, evaluate current working conditions, and identify new barriers, the Office and the Team again invited young researchers of Gdańsk Tech to participate in an online survey in March 2025.

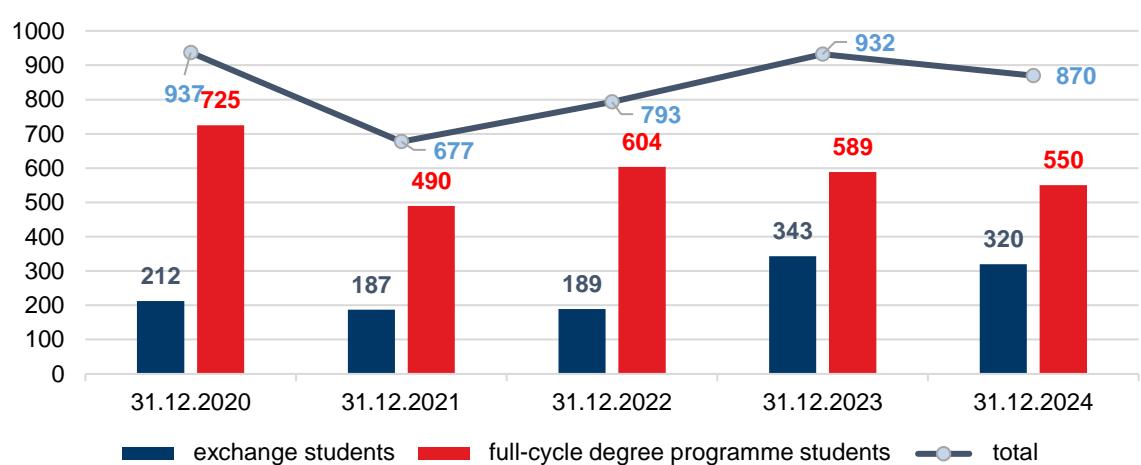
The Office supports faculties and doctoral schools in implementing annual corrective and improvement action plans, which have resulted in tangible improvements, including the establishment of common rooms and facilities for young parents, new workspaces for doctoral candidates and young researchers, reduced teaching loads for young researchers, grant schemes and other forms of financial support for research, as well as training sessions and information meetings on public procurement, grant applications, academic writing, soft skills, communication, and anti-mobbing measures.

The Office also organises numerous events aimed at integrating the academic community, including:

- a series of meetings and workshops entitled “Young Researchers’ Forum”,
- the “Science Beyond Divisions” Congress (12–13 September 2024),
- Young Researcher Day (27 June 2024),
- Young Researcher Picnic (14 September 2023),
- a series of meetings entitled “Let’s Talk About... Let’s Talk With...”.

International Students

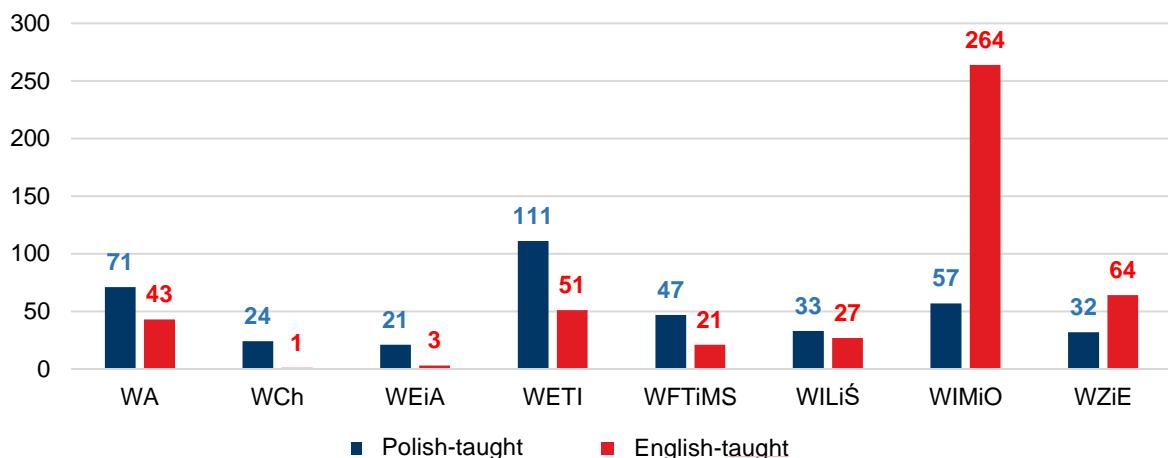
As on 31 December 2024, the total number of international students studying at Gdańsk Tech for at least one year amounted to 870. Of this group, 63% (550 students) were enrolled in full-cycle degree programmes, while the remaining 37% (320 students) participated in international exchange programmes.



Number of International Students at Gdańsk Tech in 2020–2024 (Source: data prepared for the report in the integrated information system on science and higher education [POL-on] based on the data from Moja PG system, as of 31 December 2020–31 December 2024.)

The educational offer of Gdańsk Tech addressed to international students included programmes taught in Polish and English. As on 31 December 2024, the number of international students studying for at least one year in Polish-taught programmes amounted to 396, while 474 international students were enrolled in English-taught programmes.

The study programmes with the highest number of international students were Computer Science (Faculty of Electronics, Telecommunications and Informatics), taught in Polish (81 students), and Energy Engineering (Faculty of Mechanical Engineering and Ship Technology) taught in English (235 students).

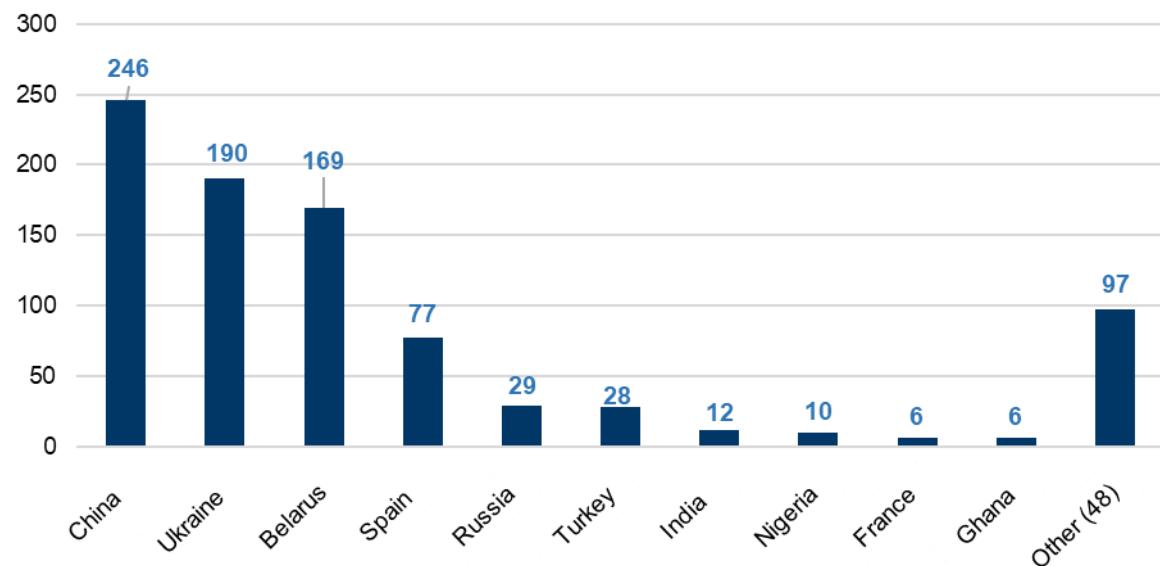


Number of International Students Studying for at least one year in Polish- and English-taught programmes by Faculty (based on data from the integrated information system on science and higher education [POL-on] compiled from the Moja PG system as on 31 December 2024)

The International Relations Office intensifies activities related to the diversification of the nationalities of international students, which is of key importance for the quality of the internationalisation process. The Office conducts systematic promotional and information campaigns for prospective students via online platforms such as MasterStudies, BachelorStudies, Ready Study Go Poland, Study in Poland, and Study in EU.

In 2024, the largest group of international students at Gdańsk Tech were Chinese nationals.

The chart presents international students at Gdańsk Tech by citizenship.



Number of international students studying for at least one year by citizenship (based on data from the integrated information system on science and higher education [POL-on] compiled from the Moja PG system as on 31 December 2024).

Scientific Clubs

Scientific clubs operate at Gdańsk Tech, offering students a unique opportunity to develop and deepen their academic interests. Participation in a scientific club enables students to meet peers with similar passions and to engage in the implementation of innovative and stimulating scientific projects.

A list of scientific clubs and further information are [available on the university's website](#).

Equality and Diversity Strategy, Horizontal Policies, Equal Opportunities and Non-Discrimination

Gdańsk Tech values and respects equality and diversity in all aspects of university community life. These principles constitute the ethical foundation of the university's activities in education, research and development.

Gdańsk Tech fully recognises all forms of diversity as well as actively promotes and ensures equal opportunities for all members of the university community—including employees, volunteers, doctoral candidates, students, postgraduate programme participants, course attendees, as well as individuals applying for employment at the university or seeking admission to higher education programmes.

Gdańsk Tech actively prevents all forms of discrimination, including discrimination based on gender, age, worldview, sexual orientation, financial status, functional diversity, race, nationality, religion, origin, ethnic or political affiliation, marital status, and parental status, in accordance with applicable international and national standards.

The university promotes equal opportunities, diversity, and inclusion in educational and research processes not only within Gdańsk Tech, but also across the broader academic community, by encouraging partner institutions and organisations cooperating with the university to adhere to these principles.

The Equality and Diversity Strategy for 2025–2028 [is available here](#).

Ombudsman for Academic Rights and Values

In order to ensure due diligence in protecting the rights of members of the academic community and promoting academic values, Gdańsk Tech has established the position of the Ombudsman for Academic Rights and Values. The responsibilities of the Ombudsman's Office include:

- protecting the rights of members of the academic community,
- promoting a culture of ethics and mutual respect,
- mediating and neutrally resolving conflicts,
- ensuring transparency, fairness, and procedural equality.

Further information is available [here](#).

Since 2024 at Gdańsk Tech operates the Office for Persons with Functional Diversity. A wide range of support measures is available to students, including:

- an integration section at the Academic Sports Centre, where individuals facing health-related limitations can find suitable forms of physical activity,

- psychological support,
- scholarships for persons with disabilities,
- personal assistant support,
- student assistant support for individuals with ASD,
- Individual Study Plans for persons with special educational needs,
- emergency financial assistance, which may be granted twice a year for various purposes, such as co-financing therapy or medical treatment.

Gdańsk Tech also develops initiatives aimed at facilitating the reconciliation of academic or professional responsibilities with family life for parents working or studying at the university, including:

- a newly established nursery for children of staff and students,
- family rooms—comfortable spaces for children and their caregivers, suitable for feeding, play, and rest,
- designated areas and facilities for infant feeding and changing.

At Gdańsk Tech there is also the Rector's Representative for Accessibility.

Further information on support provided by Gdańsk Tech to persons with special needs is available [here](#).

Development Strategy

The Development Strategy of Gdańsk Tech defines the system of values guiding the university's activities, its mission—understood as the main objectives of the undertaken actions—the university's vision of development within a specified time horizon, as well as the key methods and tools for achieving the established goals.

The document is available [for download here](#).

Inventions and Patents

The register of invention projects and innovative solutions of Gdańsk Tech is available [here](#)³.

EXPERIENCE IN OBTAINING EXTERNAL FUNDING

Researchers interested in obtaining and implementing projects financed from external sources may rely on the support of dedicated organisational units at Gdańsk Tech, including:

- Project Management Office (CZP) – supports academic staff, doctoral candidates, and organisational units in obtaining, implementing, and ensuring the sustainability of projects financed from national and international sources. The Office develops and maintains the university-wide Project Management Standard, unifying project implementation rules while accounting for project-specific characteristics. Its responsibilities include formal and

³ The register is available after logging into the Moja PG system.

substantive advisory services, organisation of trainings, project monitoring, and coordination of document workflows and inter-unit cooperation.

- Horizontal Contact Point Northern Poland (HPK) – a team of specialists supporting the participation of research units, scientific institutions, enterprises, and other entities in the Horizon Europe Programme, particularly concerning horizontal and administrative aspects.
- Strategic Projects Office (BPS) – responsible for fundraising, administrative support, coordination of task implementation and supervision during the sustainability period of projects carried out by central administration units organisationally subordinated to the Rector, Vice-Rectors, the Chancellor, or their deputies.
- Faculty Project Offices (WBP) – support authors of projects and project managers in obtaining external funding and in the day-to-day administrative management of projects implemented at the faculty level. They provide consultations on funding sources, assist in document workflow and preparation in accordance with Gdańsk Tech procedures, and support the formal aspects of project implementation.
- Young Researchers Office (BMN) – focuses on creating favourable working and development conditions for young researchers by supporting their academic careers and promoting access to programmes and professional networks. The Office coordinates strategic initiatives such as maintaining the HR Excellence in Research award, implementing projects funded from European Funds for Social Development, and supporting bottom-up initiatives of young researchers. It cooperates closely with university authorities, doctoral schools, and other units, ensuring effective communication, internal regulations, and the development of a supportive working environment.
- Scientific Affairs Office (DSN) – supports academic staff in submitting applications:
 - for awards granted by the Prime Minister and the Minister responsible for science, including awards for outstanding achievements in research, teaching, implementation, organisational activities, and for lifetime achievements;
 - for funding related to research infrastructure and science promotion, including investments in research or teaching equipment, maintenance of existing research infrastructure, and construction investments significant for the development of science, innovation, and the economy.

Projects acquired and implemented in the area of scientific research and research and development (R&D) are of particular importance for scientific advancement. For many years, Gdańsk Tech has been actively involved in obtaining funding from structural funds, the National Recovery Plan, national funding schemes, and international initiatives supporting education as well as research and development activities. In the years 2015–2024, the university signed 809 project agreements in the following categories:

- national research programmes – 499 agreements;
- structural funds and the National Recovery Plan – 143 agreements;
- international research projects and framework programmes – 121 agreements;
- international educational programmes – 46 agreements.

In 2024, Gdańsk Tech obtained funding for 53 national research and R&D projects (79 projects in 2023 and 58 projects in 2022). The largest number of projects was obtained under the National Science Centre (NCN) programmes supporting basic research, such as MINIATURA, OPUS, and PRELUDIUM.

The MINIATURA programme is intended for researchers holding a doctoral degree without prior experience in projects funded from National Science Centre and enables financing of individual research activities.

The PRELUDIUM programme is dedicated to early career researchers who do not yet hold a doctoral degree.

Applications under the OPUS programme may be submitted by researchers at various stages of their academic careers.

Gdańsk Tech also invests strongly in the internationalisation of research. The university conducts research projects in cooperation with partners from over 120 institutions worldwide, implementing grants with partners from, among others, Germany, Norway, France, and Japan. One of the key instruments supporting this development direction is the “Initiative of Excellence – Research University (IDUB)” programme, under which Gdańsk Tech implements internal grant schemes, finances staff mobility, and supports incoming international researchers.

In 2024, Gdańsk Tech staff submitted 56 proposals under Horizon Europe calls, representing an increase of 16 proposals compared to 2023 and 13 compared to 2022. Of the proposals submitted in 2024, 9 received invitations for funding (4 in 2023 and 10 in 2022), resulting in a success rate of 22%, which exceeded the national average success rate of 18% in 2024.

In addition, in 2024, Gdańsk Tech secured 11 projects funded under other international research programmes with a total value of PLN 16,131.21 thousand (7 projects worth PLN 6,288 thousand in 2023 and 10 projects worth PLN 6,701 thousand in 2022).

To date, research projects obtained by Gdańsk Tech researchers have covered thematic areas such as:

- environmental engineering,
- functional materials and nanomaterials,
- biomedical engineering,
- environmental protection,
- health and healthy food,
- sanitary engineering,
- theoretical and computational mathematics.

In 2024, Gdańsk Tech obtained funding for 9 projects under international educational programmes, with a total funding amount of PLN 1,809.30 thousand. Of these, 8 projects were funded under Erasmus+, while one project was co-financed by the International Visegrad Fund. In 2023, funding was obtained for 11 projects (10 under Erasmus+ and 1 under Advanced Digital Skills), and in 2022, for 2 projects (both under Erasmus+).

In 2024, Gdańsk Tech also obtained funding for 22 projects financed from structural funds and the National Recovery Plan, with a total value of PLN 138,576.80 thousand, including 19 signed funding agreements (10 agreements in 2023 and 7 in 2022).

The Scientific Affairs Office supports academic staff in submitting funding applications. As a result of these efforts, researchers obtained START scholarships from the Foundation for Polish Science (FNP)

and scholarships for outstanding young researchers. A total of 119 applications were submitted, of which 18 received positive evaluations. In the case of FNP START scholarships, 80 applications were submitted, and 11 applicants were awarded scholarships.

INTERNATIONAL COOPERATION

International cooperation constitutes one of the key pillars of activities of Gdańsk University of Technology, supporting the development of research, education, and innovation. It is implemented on the basis of formal agreements and arrangements with academic, research, and industrial institutions worldwide, ensuring clear legal and operational frameworks for joint activities. The university actively participates in international and national associations and consortia, which enables the exchange of knowledge and experience, as well as the joint implementation of research, development, and educational projects. This cooperation also supports initiatives in education, including joint study programmes, double degrees, and Memoranda of Understanding (MoU).

Internationalisation is also pursued locally through so-called “internationalisation at home” activities, including the organisation of international events, English-taught education, cooperation within international research and teaching teams, and the active engagement of students and doctoral candidates. These activities are supported by funding obtained from programmes of the Polish National Agency for Academic Exchange (NAWA), such as PROM, Welcome to Poland, and SPINAKER.

An important role is also played by the Initiative of Excellence – Research University (IDUB) programme, under which numerous forms of mobility, research team support, and international partnership building are financed, including dedicated grant schemes for researchers and research teams.

In 2024, Gdańsk Tech received an exceptional and prestigious distinction—a double accreditation from the **Accreditation Council for Entrepreneurial and Engaged Universities** (ACEEU). This was the first accreditation of this kind awarded to a technical university worldwide. The certificates cover two main areas:

- Entrepreneurial University Accreditation, confirming the university’s strategic approach to fostering academic entrepreneurship, technology transfer, and innovation;
- Engaged University Accreditation, demonstrating the university’s strong commitment to building relationships with the socio-economic environment and its active role in the development of local and international communities.

Another significant achievement was the successful completion of the evaluation under the **European University Association – Institutional Evaluation Programme** (EUA-IEP). In July 2024, the EUA-IEP Steering Committee issued a positive assessment of the university’s performance and extended the right to use the EUA-IEP accreditation for a further five years, recognising previously undertaken actions and implemented recommendations.

An important indicator of the university’s international prestige is also its position in global academic rankings. In 2024, Gdańsk Tech recorded a significant advancement in one of the most prestigious global rankings — the **Academic Ranking of World Universities** (ARWU), also known as the Shanghai Ranking. As one of eight Polish universities, Gdańsk Tech was ranked in the 801–900 range worldwide,

achieving 3rd place nationally. The university scored points in four out of six evaluated indicators, including publications in leading scientific journals, citation counts, and the presence of highly cited researchers.

The formal foundations of international cooperation are provided by an extensive network of over 760 active agreements with more than 450 partner institutions worldwide. These include framework agreements, Memoranda of Understanding, double and joint degree agreements, as well as agreements on joint teaching, internships, and educational and research projects. Such cooperation supports the internationalisation of education and the delivery of study programmes with a global profile.

Among bilateral agreements regulating international mobility, Erasmus+ agreements have been dominant for many years:

- KA131 – covering exchanges with countries associated with the programme;
- KA171 – covering exchanges with third countries not associated with the programme.

In the academic year 2023/2024, Gdańsk Tech maintained 389 agreements with universities in programme countries and 18 agreements with partner countries under the Erasmus+ programme.

Gdańsk Tech also actively participates in international consortia and networks of higher education, research, and technology institutions, such as **CESAER, EUA, EUNICE, BSRUN, and the European Network of Research and Innovation Centres and Hubs (ENRICH)**. Participation in these structures enables the implementation of research and development projects financed, among others, from EU framework programmes (e.g. Horizon Europe), Erasmus+, National Agency for Academic Exchange (NAWA), and Initiative of Excellence – Research University (IDUB).

Academic staff mobility and the development of international research relations are supported through multiple funding sources, including the Rector's fund, the Erasmus+ programme, National Agency for Academic Exchange (NAWA) grants, and numerous instruments offered under the Initiative of Excellence – Research University (IDUB) programme. The latter include, *inter alia*:

- **Americium** – development of international research careers,
- **Scandium** – research grants for cooperation with countries from the Baltic Sea region,
- **Platinum** – establishment of international research teams,
- **Nobelium** – bringing international researchers into Gdańsk Tech research teams,
- **Hydrogenium** – support for membership in international networks and associations,
- **Europium / Einsteinium** – short-term outgoing and incoming mobility of researchers,
- **Carbonium** – funding for participation in and organisation of international conferences,
- **Aurum** – development of international research structures,
- **Argentum** – initiation of joint research projects.

Cooperation within International and National Associations and Consortia

Gdańsk Tech actively participates in international consortia, networks, and associations, which makes from the university an important contributor to the co-creation of the European education and research area. Through close cooperation with leading technical universities and research institutions in Europe, Gdańsk Tech plays an increasingly significant role in interdisciplinary projects, while

strengthening the mobility of researchers and students, and fostering knowledge exchange. Key networks and consortia in which Gdańsk Tech is involved include, inter alia:

- **ENHANCE Alliance** – a European alliance of leading technical universities. In 2024, the Rector of Gdańsk Tech, Prof. Krzysztof Wilde, was elected Chair of the Board of Directors of the Alliance for the 2025–2027 term. Within the ENHANCE Alliance, the ENHANCE+ project is implemented, aimed at developing European educational and research cooperation.
- **RETHINK-GSC** – a consortium exploring the impact of global supply chains on society, the economy, and the environment, coordinated by the Faculty of Management and Economics of Gdańsk Tech and funded under the Horizon Europe programme.
- **CESAER** – a prestigious organisation bringing together 53 technical universities. A representative of Gdańsk Tech, who sits in the Board of Directors, is actively involved in the Learning & Teaching Working Group and enables the university to influence EU policy on research and technical education.
- **European University Association (EUA)** – the largest network of universities in Europe. Gdańsk Tech not only actively participates in its activities but has also hosted an EUA conference, underscoring its strong position within the European academic community.
- **DIGIWIND** – a project supporting the green and digital transformation of the wind energy sector, implemented in cooperation with universities from Denmark, Norway, Germany, Spain, and the United Kingdom.
- **PLAN-B** – an interdisciplinary research project investigating the impact of light and noise pollution on biodiversity, implemented by the Faculty of Architecture and the Faculty of Civil and Environmental Engineering under the Horizon Europe programme.
- **Solar Heating and Cooling (SHC TCP)** – an international research programme led by the International Energy Agency (IEA). Gdańsk Tech was the first Polish university to join this network and serves as the national coordinator.
- **ELLIS Society** – a network of centres of excellence in the field of artificial intelligence.

Gdańsk Tech also actively develops international cooperation with the industrial sector. Examples of partnerships established in 2024 include:

- **Bechtel Corporation (USA)** – Gdańsk Tech signed a strategic agreement with the American company Bechtel in the field of nuclear energy development. The cooperation covers joint research and development activities, staff education and training, and technological development related to Poland's first nuclear power plant.
- **Conoship International Poland** – cooperation with an international ship design office enabling the implementation of joint research initiatives and knowledge transfer in the area of innovative solutions for the maritime economy.
- **VECTOR TECHNOLOGIES** – an international telecommunications company cooperating with the Department of Teleinformatics Networks at the Faculty of Electronics, Telecommunications and Informatics. The company supported the development of a modern HFC/DOCSIS laboratory and actively participates in student education and diploma projects, providing direct access to current technologies and market trends.

In May 2024, Gdańsk Tech signed an agreement with IQM Quantum Computers, a leader in quantum computer development, to introduce this technology to Gdańsk and establish a unique research centre. The integration of the “Kraken” supercomputer with a quantum computer is expected to

enhance the status of both the university and the region and enable innovation in medicine, cryptography, and artificial intelligence. This represents an important step for Poland within the international quantum community and the advanced technology market.

In 2024, Gdańsk Tech became the only university in Poland to join the prestigious [European Academy of Wind Energy \(EAWE\)](#) – an international organisation bringing together approximately 60 universities from Europe, the USA, and China, promoting research and education in wind energy. EAWE also includes strategic partners of Gdańsk Tech from the ENHANCE Alliance, such as TU Delft, ETH Zurich, TU Berlin, RWTH Aachen, NTNU, Chalmers University, and Politecnico di Milano. EAWE supports knowledge exchange, raises awareness of wind energy, and organises key conferences and doctoral seminars, strengthening the position of Gdańsk Tech as a leading research and educational centre in the field of offshore wind energy.

Gdańsk Tech has also joined the [European Association of Communication Professionals in Higher Education \(EUPRIO\)](#) – Europe's largest association of university units responsible for promotion, marketing communication, and media relations. Membership in EUPRIO enables the university to exchange experience, implement best practices in communication, and more effectively promote the achievements of its researchers, students, and the institution internationally.

The Doctoral School of Gdańsk Tech has become a member of two prestigious networks:

- [PRIDE Network](#),
- [EUA-CDE \(Council for Doctoral Education\)](#).

Both organisations support the development of doctoral schools, promote high-quality doctoral education, and contribute to the professionalization of doctoral training processes. They facilitate knowledge exchange, dissemination of good practices, professional development, and the strengthening of international cooperation.

- PRIDE Network: 50 members from 20 countries,
- EUA-CDE: 289 members from 39 countries (including 17 from Poland).

The Scientific Affairs Office also supports researchers in building-up international research cooperation. This has resulted in participation of Gdańsk Tech in EU COST Actions aimed at developing scientific networks (25 staff members nominated to Management Committees in 2022–2024) and in the Ulam Programme of the National Agency for Academic Exchange (NAWA) (8 applicants in 2022–2024).

Further information on internationalisation activities is available on [the university's website](#).

Cooperation with the Socio-Economic Environment and Innovation

Cooperation with the business environment is one of the key objectives of the Development Strategy for 2020–2030 of Gdańsk University of Technology. In 2024, the university launched 7 new projects within science–industry consortia, financed from European and national funds (14 projects in 2023 and 9 in 2022). At the same time, Gdańsk Tech maintained a stable level of revenue from the provision of research services to companies in its environment, reaching PLN 27.6 million by the end of 2024 (compared to PLN 27.3 million in 2023 and PLN 20.6 million in 2022).

In 2024, Gdańsk Tech submitted 46 invention projects for protection to the Polish Patent Office (UPRP) (60 in 2023 and 33 in 2022) and 26 utility model applications (1 in 2023 and 6 in 2022). The university also filed 8 patent applications with foreign patent offices (9 in 2023 and 14 in 2022). In parallel, the Polish Patent Office granted Gdańsk Tech 25 patents and 3 protective rights for inventions submitted in previous years. In addition, the university was awarded 5 foreign patents in 2024 (6 in 2023 and 2 in 2022).

Inventions developed at Gdańsk Tech are recognised both at national and international innovation and invention fairs. For example, during the 17th International Invention and Innovation Fair INTARG 2024 in Katowice, two inventions from Gdańsk Tech were awarded gold medals:

- an adaptive voice-controlled system for creating medical documentation, cooperating with a directional acoustic probe—developed by researchers from the Department of Multimedia Systems at the Faculty of Electronics, Telecommunications and Informatics of Gdańsk Tech in cooperation with the Medical University of Gdańsk, within the ADMEDVOICE research project (the invention also received the Award of the President of the Polish Patent Office);
- an injectable, dual-binding bone cement based on magnesium–potassium phosphate and alginate hydrogel—developed within the “Materials in Medicine” Scientific Club operating at Gdańsk Tech.

At the International Warsaw Invention Show (IWIS), researchers from Gdańsk Tech won three medals—one gold and two silver. The research team was awarded for innovative biocomposite bone cements, representing advanced solutions dedicated to the treatment of bone defects, particularly in patients with osteoporosis. The technologies were developed under the supervision of Dr Eng. Marcin Wekwejt (Biomaterials Technology Division, Gdańsk Tech), with the participation of members of the “Materials in Medicine” Scientific Club. In 2024, the same team also won two bronze medals at the prestigious Malaysia Technology Expo.

In June 2023, twenty Polish technical universities signed a cooperation agreement on project management, establishing the Technical Universities Project Management Offices Forum (TUPMO Forum). The initiative aims to strengthen cooperation among technical universities in the field of project management, particularly in terms to obtaining and implementing national and international projects. The agreement is intended to reinforce the position of Polish technical universities in project-based activities, increase funding acquisition effectiveness, and promote the professionalisation of academic project management.

In 2020, Gdańsk Tech, the Medical University of Gdańsk, and the University of Gdańsk established the Daniel Fahrenheit Union of Universities (FarU). Its objective is to strengthen position of the city of Gdańsk as a leading academic centre in Poland and internationally through joint research, development activities, and the creation of inter-university doctoral schools. The Union is also responsible for implementing a joint promotion and ranking policy, representing the universities' interests towards public administration, and strengthening publishing activities.

The Union is supervised by an Assembly composed of Rectors and Chairs of the University Councils, enabling deeper cooperation and the development of one of the strongest academic centres in Poland. As part of strengthening cooperation in strategic economic sectors, Gdańsk Tech continuously concludes agreements and arrangements, including cooperation with the American company Bechtel,

which—within a consortium—is to construct Poland's first nuclear power plant, as well as cooperation related to projects on unmanned maritime systems and other solutions dedicated to the Polish Armed Forces.

Attention should also be paid to the consortium agreement signed in 2024 between Gdańsk Tech and LEX SECURE AI sp. z o.o. from the NAVIMOR capital group, aimed at the joint implementation of the project "LEX-AIS System for Common Courts." This project represents a breakthrough in the application of artificial intelligence in the judiciary, improving court operations and providing practical support to judges and court clerks.

Cooperation with Entrepreneurs and the Socio-Economic Environment – Business Hub

To increase the effectiveness of science–industry cooperation, the Business Hub (PG BH) has been operating at Gdańsk Tech since 25 April 2025. It is a central unit coordinating the university's cooperation with the socio-economic environment, local government, and central public administration. The primary objective of the Business Hub of Gdańsk Tech is to intensify cooperation with external partners to effectively combine the potential of science, business, and public administration.

The establishment of the Business Hub of Gdańsk Tech responds to the need for a coherent and strategic approach to contemporary challenges—both local and global. At the same time, the unit was created to centralise key processes and streamline task flows across the university.

Within the scope of its activities, the Business Hub supports academic staff in the following areas:

- Monitoring market trends and needs – systematically analysing changes in the economic and social environment.
- Development of services for stakeholders – increasing the scale and quality of support provided to enterprises, institutions, and public-sector partners.
- Innovation development – initiating and supporting research, development, and technological implementation activities, including both civilian and dual-use technologies.
- Support for creators of intellectual property – providing organisational, financial, and infrastructural support for researchers, students, and start-ups.
- Knowledge commercialisation – promoting and implementing research results in the economy through training, advisory services, and cooperation with business partners.
- Linking science and business through cooperation platforms such as conferences, hackathons, and workshops.
- Market research and technology foresight – conducting analyses, surveys, focus groups, and developing future development scenarios.
- Development of research teams – establishing interdisciplinary groups working on new technologies, including solutions for both civilian and defence sectors.
- Support for academic entrepreneurship – assisting students and researchers in establishing companies, organising training in project management, marketing, and fundraising.

- Financial and infrastructural support – managing an investment fund, offering grants and scholarships, and providing access to laboratories, prototyping facilities (ProtoLabs), coworking spaces, and rental space for start-ups.
- Promotion and dissemination of achievements – conducting media activities, organising Demo Days and conferences, as well as establishing cooperation with national and international institutions.

The Business Hub is a strategic instrument of Gdańsk Tech for strengthening innovation capacity, research commercialisation, and academic entrepreneurship. Through the Hub, the university acts as an active partner in building an economic ecosystem that integrates science, business, and public administration to develop modern technologies and solutions for society.

Implementation and Commercialisation Activities

The Business Hub (PG BH) of Gdańsk Tech provides commercialisation advisory services to creators affiliated with Gdańsk Tech. Within designated timeframes, creators may participate in consultations covering, *inter alia*:

- identification of intellectual property subject to commercialisation and the acquisition of rights thereto,
- selection of an appropriate commercialisation model,
- proposals for the division of proprietary rights,
- tax advisory services,
- advisory services related to state aid,
- verification of assumptions proposed by the creator at the stage of submitting a project application.

Implementation Activity at Gdańsk Tech in 2022–2024

Indicator	Year	2022	2023	2024
Patents and protective rights granted		60	44	31
Number of licence agreements granted by the Technology Transfer Centre of Gdańsk Tech		7	5	7
Number of contracted research initiated by external entities		346	383	335
Value of research contracted to Gdańsk Tech by external entities		PLN 20,604.50 thousand	PLN 20,604.50 thousand	PLN 20,604.50 thousand

The Business Hub cooperates with all faculties of Gdańsk Tech through faculty coordinators appointed by the Deans. These coordinators act as liaison officers responsible for disseminating key information within faculties regarding priorities defined by the Business Hub, as well as ongoing projects and initiatives. They also participate in regular coordination meetings to facilitate knowledge exchange and ensure efficient internal communication across the organisational structures of the university.

SUSTAINABLE DEVELOPMENT

Gdańsk Tech actively contributes to the implementation of the Sustainable Development Goals (SDGs) as defined in the Resolution adopted by the United Nations General Assembly. In parallel, the university implements the principles set out in the University Social Responsibility Declaration (USR), which Gdańsk Tech has signed and has been implementing since 2017.

Since 2022, the university has been implementing the [Climate Plan for 2022–2030 of Gdańsk Tech](#), which defines actions undertaken to become a sustainable institution and to play a significant role in building a sustainable world. The implementation of the Plan covers activities in the areas of quality of education, research, internal university operations, and engagement in raising awareness.

In July 2024, Gdańsk Tech adopted the Strategy for the Implementation of the Sustainable Development Goals and University Social Responsibility for 2024–2030, which constitutes a coherent action plan across six areas:

- responsibility and values,
- an engaged community of Gdańsk Tech,
- equality and diversity,
- education,
- activities for communities beyond Gdańsk Tech,
- a campus friendly to people and the environment.

These areas correspond to the fundamental pillars of sustainable development: people, planet, prosperity, peace, and partnership.

Gdańsk Tech publishes reports dedicated to the implementation of the [Sustainable Development Goals](#) on an annual basis, as well as reports on the implementation of [University Social Responsibility](#) principles every two years.

Researchers from Gdańsk Tech are also co-authors of numerous publications in the field of sustainable development. In the years 2022–2024, they published a total of 1,783 publications assigned to the Sustainable Development Goals (SDGs) according to the Scopus methodology. The largest number of publications addressed:

- SDG 7 – Affordable and Clean Energy: 515 publications,
- SDG 3 – Good Health and Well-Being: 405 publications,
- SDG 6 – Clean Water and Sanitation: 280 publications.

The activities of the university in the field of sustainable development are reflected in international rankings assessing universities' performance in relation to the SDGs:

- **GreenMetric** – in 2024 Gdańsk Tech ranked 1st in Poland and 199th worldwide;
- **THE Impact Rankings** – in 2025 Gdańsk Tech again achieved the position of national leader, ranked globally in the 301–400 range;
- **QS Sustainability Rankings** – in 2025 Gdańsk Tech ranked 4th in Poland and 301–400 globally.

Gdańsk Tech promotes pro-environmental and pro-social attitudes. Since 2022, the university has been implementing the “Bike to University” campaign, aimed at promoting environmentally friendly means of transport and encouraging increased physical activity. In 2024, Gdańsk Tech organised the Sustainable Development Week of Gdańsk Tech for the first time.

Nearly 350 participants—students, university staff, and representatives of 19 universities from across Poland—took part in the events.

Experience of Gdańsk Tech in projects related to the green transition:

- FERS.01.05-IP.08-0102/23 – “Staff 5.0: Development of Competences of Academic Teachers and Doctoral Candidates”. Project objective: to acquire and enhance teaching, digital, and green transition competences among academic staff and doctoral candidates of Gdańsk Tech.
- FERS.01.05-IP.08-0027/23 – “Studies 5.0: Study Programmes for Key National Industry Sectors”. Project objective: to increase the alignment of educational offerings with the needs of economic development and the green and digital transition.
- FERS.01.05-IP.08-0285/23 – “Engineer 5.0: Education for the Needs of the Economy”. Project objective: to improve the alignment of educational offer of Gdańsk Tech with the labour market and economic needs, supporting the green and digital transition.

Additionally, start-up projects developed at Gdańsk Tech address specific Sustainable Development Goals. Further information is available on the university's [website](#).

At the Faculty of Management and Economics the Sustainable Development Zone is being developed - further details are available on [the faculty website](#).

Appendices:

- No. 1 List of research infrastructure.
- No. 2 R&D activity report (i.e. PNT-01) for the reporting period 2024
- No. 3 R&D activity report (i.e. PNT-01) for the reporting period 2023
- No. 4 R&D activity report (i.e. PNT-01) for the reporting period 2022