



Lodz University
of Technology

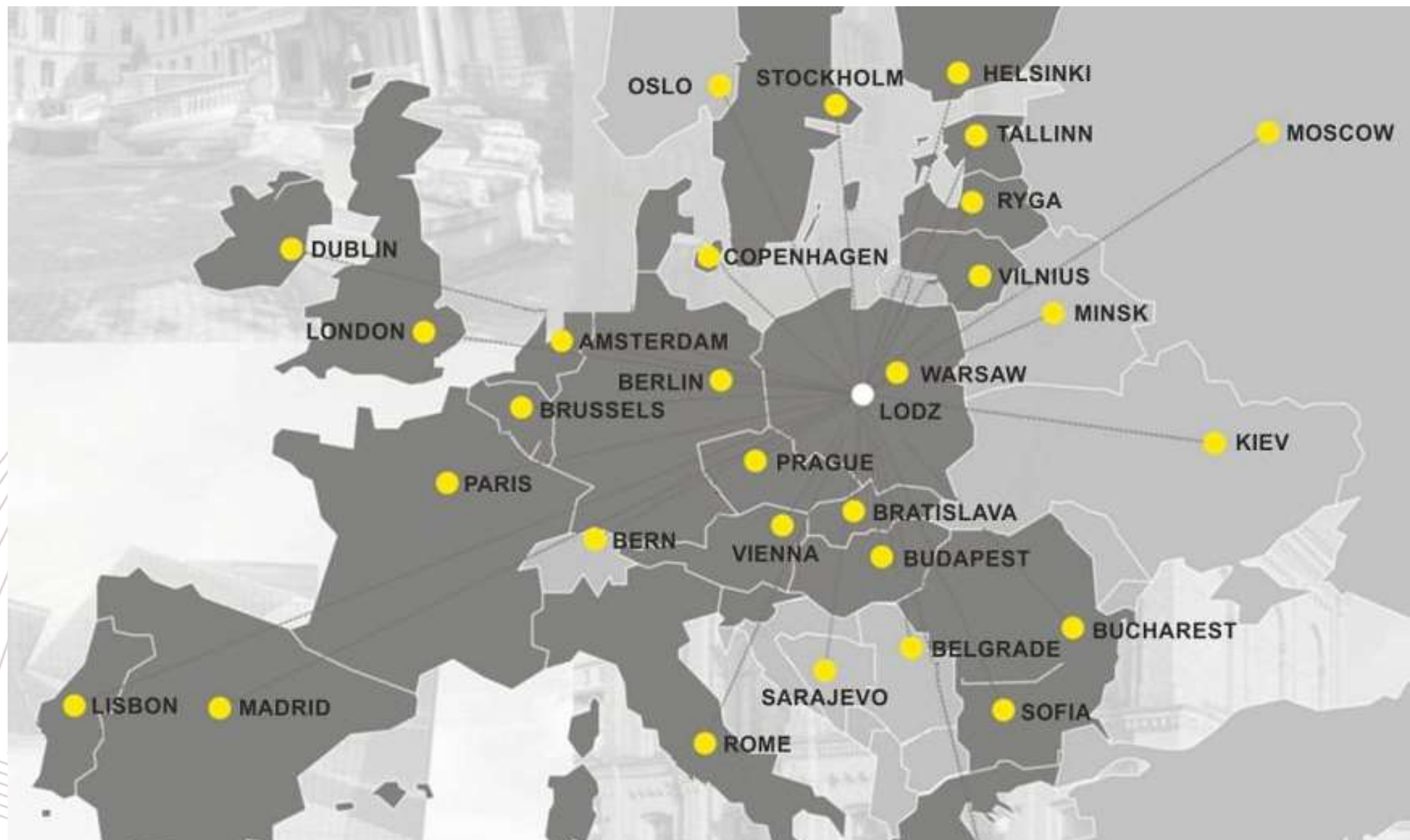


LODZ UNIVERSITY OF TECHNOLOGY

EDUCATION, RESEARCH, INNOVATION



Lodz University
of Technology



**LODZ IS SITUATED IN THE CENTRE OF EUROPE.
IT'S ONE OF THE POLAND'S BIGGEST CITIES**

LODZ IS THE BEST-CONNECTED CITY IN POLAND

0h

to Reymont Airport
(within city limits)

1h

to Chopin Airport
(via motorway)

2h

to Warsaw by train
(22 trains/day)

3h

to major cities
in Poland

STRATEGIC CROSSROADS:



NORTH – SOUTH
GDANSK-VIENNA



WEST- EAST
BERLIN-MOSCOW

EXPRESS ROADS:



S8 and S14





Lodz offers numerous education opportunities to young people who may study at **23 university level schools**. Lodz is a major academic centre – the **fourth in Poland in terms of the number of university level schools** and the **sixth in terms of the number of students**.

Every year, thousands of secondary school graduates come to Lodz to study at one of the **six public** or **sixteen private universities**. Lodz academic facilities offer great development opportunities for representatives of the humanities, sciences and arts.

The main institutions offering courses in a wide range of academic fields include: Lodz University of Technology, the University of Lodz, the Medical University of Lodz.





Lodz University
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WHAT MAKES US UNIQUE?



Lodz University
of Technology



5th place in Poland among technical universities*



8th place in Poland among academic universities*

in the 2026 university ranking
of the educational magazine "Perspektywy"





Lodz University
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AWARDS AND DISTINCTIONS

Lodz University of Technology is listed **in the most prestigious and most widely commented international university rankings**, including:



HR EXCELLENCE IN RESEARCH





Lodz University
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INNOVATIVE EUROPEAN UNIVERSITY

Lodz University of Technology is listed **in the most prestigious and most widely commented on international university rankings.** It is **highly ranked in institutional assessments and accredited by international organizations,** which is a confirmation of the high quality of education, research and leadership.

eua EUROPEAN
UNIVERSITY
ASSOCIATION

Evaluated by
IEP INSTITUTIONAL
EVALUATION
PROGRAMME
www.iep-qaa.org




Eaquals



Lodz University of Technology is **one of the 13 European universities affiliated with ECIU** – the European Consortium of Innovative Universities.

- in 2024, TUL had **the highest number of students** among all member universities participating in ECIU micromodules and challenges;
- TUL researchers benefited from grants under the **ECIU Researcher Mobility Fund programme**;
- implementation of the **JUMP educational project**;
- coordination of the **ECIU4Ukraine project**;
- participation in **international and interdisciplinary research groups**.





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UNIQUE CAMPUS





Lodz University of Technology stands out from other Polish universities because of a **37-hectare campus** in the city centre, modern premises as well as revitalized, post-industrial buildings - all surrounded by greenery and the Michał Klepacz Park, where every spring the Siberian squillies bloom.

Oak Fabrykant the **European Tree of the Year 2023**. Fabrykant is one of the most original trees in Poland and is a symbol of longevity and wisdom.





The largest investments in recent years include:

- **Alchemium - the magical future of chemistry**
(Faculty of Chemistry).
- **LabFactor**
(Faculty of Process and Environmental Engineering);
- **Factory of Engineers of the 21st century**
(Faculty of Mechanical Engineering);
- **TUL Sports and Education Centre Sports Bay;**





ALCHEMIUM - THE MAGIC OF THE CHEMISTRY OF TOMORROW

The complex will consist of two interconnected parts:

- **a conference and teaching center**, including one with a representative auditorium for 500 guests, scheduled for completion in September 2021;
- and **a laboratory and teaching building for the Faculty of Chemistry** with five above-ground floors and one underground. This building encompass over 16,000 m² of floor space, accommodating 124 rooms, including conference, laboratory and teaching facilities.





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EDUCATION





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FACULTIES AND INTERFACULTY UNITS

Faculty of
Mechanical Engineering

Faculty of Electrical,
Electronic, Computer
and Control Engineering

Faculty of Chemistry

Faculty of Textiles
and Design

Faculty of Biotechnology
and Food Sciences

Faculty of Civil
Engineering, Architecture
and Environmental
Engineering

Faculty of Technical
Physics, Information
Technology and Applied
Mathematics

Faculty of Organization
and Management

Faculty of Process
and Environmental
Engineering

International Faculty of Engineering

Interdisciplinary Doctoral School



Lodz University of Technology offers **70 fields of study** with specializations tailored to meet the demands of the job market and incorporate the latest developments in each discipline.

Numerous study programmes are the outcome of collaborative efforts between different departments and universities (e.g., Bioeconomy, Chemistry of Building Materials).

The university is developing a programme of internships and apprenticeships for TUL students, inviting business experts to give lectures, and expanding the Business Councils at the faculties.

Students can carry out implementation diploma theses in which they solve problems submitted by companies.





The primary responsibility of the **International Cooperation Centre** is to proactively execute the university's internationalization strategy, firmly establish Lodz University of Technology's identity as an innovative academic hub on of European Higher Education landscape, **promote Polish education abroad**, enhance **TUL's international reputation**, and bolster **TUL's involvement in international networks and associations** with educational, scientific and organizational objectives.





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INTERNATIONAL FACULTY OF ENGINEERING

The International Faculty of Engineering (IFE), a division of the International Cooperation Centre, provides **12 first-cycle** and **7 second-cycle** programmes taught entirely in English and French, with no tuition fee.

All IFE students spend at **least one semester at a foreign university**. They also have the opportunity to participate in the elite **Double Degree programme**, which allows them to obtain diplomas from Lodz University of Technology and a partner foreign university during one course of study.

Lodz University of Technology achieved **victory in the "European Universities - Alliances of the Future"** competition, securing the top spot in the Erasmus+ Excellence category.





Lodz University
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INTERDISCIPLINARY DOCTORAL SCHOOL

The Interdisciplinary Doctoral School (IDS) aims to promote **education in English** and develop research in **12 disciplines**. 

IDS plays a pivotal role in facilitating the selection and **networking of doctoral candidates**, and the **supervisor**, providing scientific supervision.

IDS organizes open lectures for foreign-language researchers, doctoral candidates and students.





Lodz University
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ACTIVE EDUCATIONAL METHODS



TUTORING



**PROBLEM BASED
LEARNING (PBL)**



FLIPPED EDUCATION



CASE STUDY



BLENDED LEARNING



**DESIGN THINKING
(DT4U)**





THE DEVELOPMENT OF THE ACADEMIC COMMUNITY

Lodz University of Technology is actively engaged in **three** projects funded by the Operational Programme Knowledge Education Development (POWER):

- Integrated programme of TUL - 1st and 2nd editions;
- The integrated programme of TUL for the development of the Lodz region.

The projects target students, doctoral candidates, as well as teaching and administrative staff at the university.

The university raised additionally more than 3 million zlotys to support the financing of human resources and payroll system.

The university has received nearly **45 million zlotys** in funding for its ongoing activities.



Nearly **60 Student Research Clubs** operate actively at our university, bringing together enthusiasts who develop their own projects.

The most frequently awarded are:

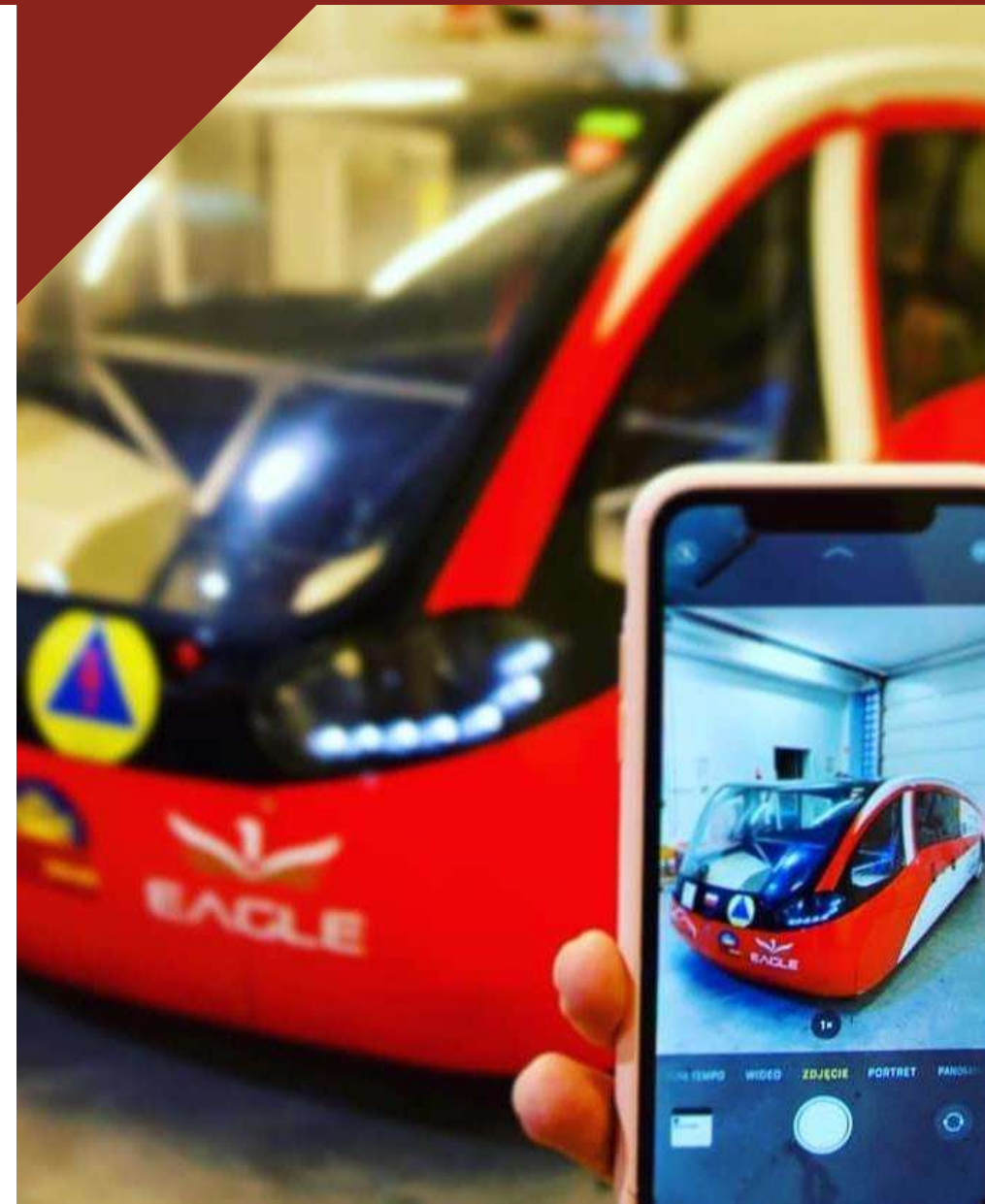
LODZ SOLAR TEAM - the creators of the first solar vehicle in Poland,

IRON WARRIORS - the constructors of the super-efficient car,

RAPTORS - the authors of the Martian rover,

GUST - participants in Small Wind Turbine contests and conferences,

UbiCOMP - the originators of many solutions for the elderly and disabled persons, including a drug dispenser, a system supporting the treatment of arachnophobia and navigation collar.





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SUPPORT FOR STUDENTS



CAREER OFFICE



**CENTRE OF MATHEMATICS
AND PHYSICS**



LANGUAGE CENTRE



**OFFICE FOR STUDENTS
WITH DISABILITIES**



SPORTS CENTRE



LIBRARY





Winners of the **E²TOP - Excellence in Engineering programme: Talents in Research with Opportunities Programme** will pursue an individualized study path under the guidance of a research mentor and undertake their studies at the world's top research centres and receive an additional scholarship.





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E²TOP Excellence in Engineering: Talents in Research with Opportunities Programme





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SCIENCE AND RESEARCH



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TUL positively evaluated in the evaluation of scientific disciplines evaluated for the activities carried out in 2017 - 2021

A+ {

**Chemical engineering,
Chemical sciences,
Nutrition and food technology**

A {

**Information and communication technology,
Materials engineering,
Mechanical engineering,
Mathematics,
Physical sciences,
Management and quality studies.**

B+ {

**Architecture and urban planning,
Automation, electronic and electrical engineering,
Civil engineering and transport.**



TUL conducts extensive research through **interdisciplinary teams**.

The University actively participates in international research projects centrally managed by the European Commission

- **7 Horizon Europe** with a total value **of € 6 084 566**,
- **2 European Defence Fund** with a total value **of € 390 565**,
- **1 Digital** - € 778 459,
- **1 Culture** - € 66 589.



From 2017 to 2023, TUL received funding from:

- **NCN:**
52 projects with a total value of **PLN 16 147 275**;
- **FENG**
7 projects with a total value of **PLN 21 235 745**;
- **FELD**
5 projects with a total value of **PLN 30 621 589**;
- **LIDER (NCBR)**
3 projects with a total value of **PLN 5 021 050**;
- **MNISW**
9 projects with a total value of **PLN 975 544**.



The competition is aimed at **first- and second-year doctoral candidates** of the Interdisciplinary Doctoral School and **young scientists - up to 5 years after the doctorate**, research or research and teaching employees of TUL.

They receive substantive and organizational support in preparing proposals for research grants.

The number and value of grants and their distribution among scientific disciplines will be determined annually.

In 2026, **57 grants** were awarded with a total value of more than **PLN 950,000**.





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ICRI-BIOM CENTRE OF EXCELLENCE

The Foundation for Polish Science, in the MAB PLUS competition, awarded a grant to fund the **International Center for Research on Innovative Bio-based Materials (ICRI-BioM)** in Lodz.

The International Research Agenda will facilitate **above-average research collaboration and involve international researchers in the education of students and PhD students**. The Centre will provide excellent opportunities for student placements and doctoral research projects, and may be a source of their funding.





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TECHNOLOGY TRANSFER





Lodz University
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TECHNOLOGY TRANSFER



6th

Best Polish university in the number of patents granted according to the 2024 ranking of the Polish Patent Office



54

patents granted by the Polish Patent Office



67

patented applications filed with the Polish Patent Office



Lodz University of Technology is **a member of clusters that integrate scientific and research units.**

Among others, it belongs to:

- With the initiative of Lodz University of Technology, the **Lodz ICT Cluster** was established, bringing together **40 companies from the IT and telecommunications sectors** and **the three largest universities in Lodz.**
- **Lodz Energy Wave Cluster**, which aims to ensure local energy security, improve the environment and increase competitiveness and economic efficiency of the economy.
- Nationwide **Logistics cluster**, bringing together scientific and research units and practitioners from the transportation, freight forwarding, logistics sector.



In the academic year 2022-23, the university received **more than PLN 6.7 million** in funding from the NCRD for application projects carried out in consortia.

The total value of the projects **exceeds PLN 23.5 million**. These include:

- Low-cost gas detection systems based on tunable VCSEL laser arrays with active areas in the form of quantum dots and mirrors in the form of subwavelength diffraction gratings,
- Industrial textile wastewater recycling system through electro-oxy-Fenton method,
- New methods for structuring printed QD-LEDs for light-emitting diode array applications,
- Artificial Intelligence and Blockchain for product quality and safety control systems.





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A photograph of two scientists in a laboratory. They are wearing white lab coats, blue hairnets, blue face masks, and blue gloves. The scientist on the right is using a pipette to transfer a red liquid into a test tube. The scientist on the left is looking through a microscope. The background is a bright blue light. The text 'TUL FOR COMMUNITY' is overlaid in white on a red banner across the middle of the image.

TUL FOR COMMUNITY



TUL was one of the first higher education institutions in Poland to become a signatory to the **Declaration of Social Responsibility of the University**, which contains 12 principles relating to various aspects of the functioning of the university, didactic and scientific activities, internal organisation and dialogue with the local community.

In the academic community of TUL the most important values are: **community, creativity, respect for freedom and rights.**

The research work being carried out at Lodz University of Technology **responds to social problems**, translates into **the development of medical science**, **improves the quality of life**, **enhances environmental protection** and **contributes to technological progress.**





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WITHOUT BARRIERS AND AGE LIMIT

Lodz University of Technology was the pioneering technical university in Poland to extend an invitation to children aged 7-12 to play at studying and created **Lodz Children's University**.

Since 2007, a **Public Secondary School** has been in operation at our University, consistently achieving the top ranking in Lodz Voivodship in the Perspektywy Educational Foundation.

In 2022, we launched a **kindergarten** and a **nursery**, and for those with a keen interest in science and technology, we offer classes at the **University of the Third Age**.



TOWARDS SUSTAINABLE DEVELOPMENT

The university's sustainability efforts have been highly rated in the **Times Higher Education Impact Rankings**.

TUL has been **particularly recognized** for its efforts to implement:

- **Goal 8: Decent Work and Economic Growth**
(1st place in the country),
- **Goal 17: Partnership for the Goals.**





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TUL AND PASSIONS





The university is actively engaged in initiatives aimed at **benefitting society and the environment across various areas of its operations.**

Classical music concerts have a rich tradition of 30 years at Lodz University of Technology. The series, known as "**Music at Lodz University of Technology**" was inaugurated in 1992, thanks the initiative of Prof. Jan Kryszynski - the Rector of TUL.





Lodz University
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TUL AND PASSIONS

- TUL Academic Sports Association
- Student Radio ŻAK
- Student Tourist Club PŁAZIK
and Student Beskidy Guide Association
- Academic Orchestra and Academic Choir od TUL
- TUL Photographic Club



TUL Sports and Education Centre „Sports Bay” is **one of the most modern sports facilities in Poland**:

- 50-metre olimpic pool,
- 25-metre moving floor pool,
- 17-metre climbing wall (one of the highest in Poland),
- fitness centre,
- entertainment and sports hall,
- outdoor fields for team games and endurance sports,
- training rooms.





Lodz University
of Technology

INTERNATIONAL COOPERATION CENTRE

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