



AZTU

**Azerbaijan Technical University
2025 Sustainability Report**

Executive Summary

In 2025, AzTU elevated sustainability via high-level policy, digitization, regional collaboration, global representation, and climate leadership—aligning with SDG 2, SDG 4, SDG 7, SDG 8, SDG 9, SDG 12, SDG 13, SDG 16, and SDG 17.

Major developments:

- The Holistic Ethical Policy (2025 Vision): Holistic ethical policy framework for promoting integrity, accountability, and responsible conduct across all university academic, research, and administrative activities. [AzTU](#)
- Cyber Sovereignty Conference: Organized a republican-level conference on cyber sovereignty, uniting government, academia, and experts to address cybersecurity and digital transformation challenges. [AzTU](#)
- Workshop on Balancing Electricity Supply and Demand in Azerbaijan (Mingachevir): Focused on addressing energy system challenges and promoting sustainable electricity management practices. [AzTU](#)
- Waste Recycling Initiative (AzTU): Implemented a campus-wide program to promote waste segregation, recycling practices, and environmental sustainability. [AzTU](#)
- AzTU Students Showcase Startups at the 4th Agrarian Startups and Innovation Forum: Presented innovative student-led startup projects, promoting entrepreneurship and collaboration in the agrarian and innovation sectors. [AzTU](#)
- AzTU Strengthens Its Position in the QS Europe 2026 Ranking: Improved its standing across Europe and Western Asia, reflecting progress in academic quality, research performance, and international reputation. [AzTU](#)
- AzTU represented in THE 2026 Subject Rankings: Participated for the first time and was placed in the 1251+ band in Engineering and Physical Sciences, reflecting progress in academic development, research capacity, and international engagement. [AzTU](#)
- III International Scientific-Practical Conference on Mechanical Engineering and Energy: Organized an international conference in collaboration with leading universities and research networks to promote sustainability, innovation, and university–industry cooperation in the mechanical engineering and energy sectors. [AzTU](#)
- Research and Innovation: Achieved a total of 456 indexed publications, including 369 Scopus-indexed and 87 Web of Science (WoS) articles, alongside 14 approved patents and 25 patent applications.
- Academic Activities and Teaching Quality: Increased academic staff salaries by 20%, enrolled 69 international students in the English preparatory program, and strengthened international student and faculty mobility, enhancing the overall quality of teaching and academic engagement. [AzTU](#)
- Quality Assurance and Accreditation: Secured AQAS international accreditation for 20 programs and implemented regular satisfaction surveys to continuously improve academic and administrative quality standards. [AzTU](#)
- Financial Performance and Institutional Sustainability: Increased the share of R&D expenditures and ensured the gradual growth of alternative revenue sources, strengthening long-term institutional financial sustainability.
- Internationalization and Global Position: Established 80+ international cooperation memorandums, achieved QS WUR 2026 ranking in the 851–900 band, earned QS Stars 5-star rating, reached THE ISR Top-500 position, and improved UI GreenMetric ranking from 1014 to 835, reflecting enhanced global visibility and competitiveness. [AzTU](#)
- Sustainable Development (SDG) and Institutional Responsibility: Implemented 18 SDG-based courses/modules, developed 14 SDG research projects, and organized 27 SDG-related activities, reinforcing institutional commitment to sustainability and social responsibility. [AzTU](#)

SDG Mapping & Achievements

Initiative	Description	Core SDGs	Key Outcomes (2025)	Future Goals (End of 2025)
The Holistic Ethical Policy (2025 Vision)	Promotes integrity and ethical conduct.	SDG 16,4, 17	Transparency and accountability culture strengthened.	Enhance ethical awareness; ensure compliance.
Cyber Sovereignty Conference	Cyber sovereignty conference held.	SDG 4, 9, 16, 17	Institutional cooperation strengthened; cyber sovereignty discussed	Enhance cybersecurity ecosystem; expand research and cooperation networks
MSU–AzTU Energy Workshop	Electricity supply-demand optimization workshop	SDG 7, 9, 13, 17	Collaboration; system optimization discussions	Research cluster expansion, renewables integration
Waste Recycling Initiative (2025)	Campus waste is separated for recycling	SDG 4, 12, 13	Recycling implemented; climate awareness increased.	Expand recycling; reduce campus carbon emissions.
4th Agrarian Startups and Innovation Forum	Students presented agrarian startup innovations.	SDG 2, 8, 9, 12, 17	Startup prototypes showcased; collaboration opportunities expanded.	Strengthen ecosystem; increase investor partnerships.
QS Europe Ranking 2026 Achievement	AzTU ranked 476th in Europe.	SDG 4, 9, 17	Academic reputation and recognition increased.	Improve ranking; strengthen international collaboration.
THE Subject Rankings 2026 Participation	AzTU ranked 1251+ in its first participation.	SDG 4,9	Engineering and Physical Sciences internationally evaluated.	Improve ranking; strengthen research capacity.

Initiative	Description	Core SDGs	Key Outcomes (2025)	Future Goals (End of 2025)
Research and Innovation	Increasing scientific productivity and focusing on high applied value research to establish a sustained innovation trajectory.	SDG 9	456 indexed publications (369 Scopus, 87 WoS); 14 approved patents.	Completion of 25 patent applications and maintaining the innovation trajectory.
III International Conference on Mechanical Engineering and Energy	International conference on sustainable engineering technologies.	SDG 7, 9, 12, 17	International collaboration; innovative energy solutions discussed	Expand partnerships; promote sustainable technologies.
Academic Activities and Teaching Quality	Establishing a results-oriented and competitive teaching model while strengthening human capital motivation.	SDG 4	20% increase in academic staff salaries; 69 international students in the English preparatory program.	Expansion of international student and faculty mobility.
Quality Assurance and Accreditation	Systematizing quality assurance through continuous improvement mechanisms and the PDCA cycle.	SDG 4	AQAS international accreditation achieved for 20 programs.	Implementation of regular satisfaction surveys to support the quality system.
Financial Performance and Institutional Sustainability	Ensuring efficient use of resources and transitioning toward performance-based budgeting.	SDG 8	Increased share of R&D expenditures in the institutional budget.	Gradual growth of alternative revenue sources and financial diversification.

Initiative	Description	Core SDGs	Key Outcomes (2025)	Future Goals (End of 2025)
Sustainable Development (SDG) and Institutional Responsibility	Integrating SDG principles into teaching, research, and institutional management.	SDG 12, 13	18 SDG-based courses/modules; 14 SDG research projects.	Execution of 27 SDG activities and strengthening environmental responsibility.
Internationalization and Global Position	Advancing international recognition to transition from a regional to a globally competitive environment.	SDG 17	QS WUR 2026: TOP-1000 (851–900); QS Stars: 5 stars; THE ISR: TOP-500.	Reaching 80+ international collaboration memorandums and improving UI GreenMetric rank to 835.

Strategic Positioning & Future Direction

Institutional Governance: Holistic Policy establishes a strong governance framework at AzTU, promoting integrity, accountability, and responsible conduct across all academic, research, and administrative processes. [AzTU](#)

Operational Impact: Strengthened sustainability practices, ethical governance, research capacity, and international collaboration across academic, research, and administrative operations at AzTU, while improving innovation, digital transformation, and environmental performance.

Future Path:

- Strengthen ethical governance by enhancing compliance monitoring systems and measuring institutional integrity, transparency, and accountability through defined performance indicators.
- Leverage QS and THE rankings to attract new international partnerships in ethics, sustainability, research excellence, and innovation.
- Expand cyber sovereignty, digital responsibility, and sustainability awareness programs to strengthen institutional resilience, environmental ethics education, and SDG integration.
- Scale up waste recycling, energy efficiency, and green-campus initiatives to reduce carbon emissions and improve environmental performance across all university operations.
- Strengthen research and innovation capacity by increasing publications, patents, and applied research output in line with global standards.
- Enhance innovation and startup ecosystems by expanding industry engagement, commercialization opportunities, and investor partnerships.
- Strengthen internationalization by expanding academic mobility, joint conferences, and global research collaborations in engineering, energy, and sustainability fields.
- Improve teaching quality and academic excellence by expanding mobility programs, strengthening human capital, and increasing international student participation.
- Enhance quality assurance systems through continuous improvement mechanisms and regular feedback-based monitoring.
- Strengthen financial sustainability by diversifying funding sources and increasing efficiency in resource allocation and R&D investment.
- Further integrate SDG principles into teaching, research, and institutional governance by expanding SDG-based courses, projects, and environmental responsibility initiatives.

Regional & Global Integration:

- Cyber Sovereignty Conference, MSU–AzTU Energy Workshop, and international conferences position AzTU as a regional hub for digital security, energy transition, engineering, and sustainable innovation dialogue.
- QS Europe Ranking 2026 achievement and THE Subject Rankings participation reflect growing international academic recognition and stronger integration into global research and higher education networks.
- International partnerships, mobility, and collaborative research initiatives demonstrate active contribution to SDG-aligned cooperation and knowledge exchange at regional and global levels.

Next Steps:

- Strengthen institutional governance by expanding ethical compliance monitoring systems and ensuring measurable accountability through defined performance indicators.
- Leverage QS Europe Ranking and THE Subject Rankings to attract new international partnerships in research, innovation, and sustainability.
- Expand cyber sovereignty, digital transformation, and sustainability training programs to enhance institutional capacity and global competitiveness.
- Scale up renewable energy research, energy efficiency, and smart system initiatives to support sustainable energy transition and innovation.
- Strengthen waste management, recycling systems, and green campus initiatives to reduce environmental impact and carbon emissions.
- Enhance research and innovation capacity by increasing publications, patents, and applied research output aligned with global standards.
- Strengthen startup ecosystems and industry collaboration by increasing investment opportunities and commercialization of research outputs.
- Expand internationalization through academic mobility, joint conferences, and global research partnerships in engineering, energy, and sustainability fields.
- Improve quality assurance systems through continuous improvement mechanisms, accreditation processes, and stakeholder feedback integration.
- Further integrate SDG principles into teaching, research, and institutional management to ensure long-term sustainable development at AzTU.