AZERBAIJAN TECHNICAL UNIVERSITY

UI GREENMETRIC REPORT

REPORT ON SETTING AND INFRASTRUCTURE

2025

Introduction

Azerbaijan Technical University (AzTU) is a leading engineering and technology university in Baku, Azerbaijan. The university's infrastructure baseline for the GreenMetric setting & infrastructure indicators includes **six buildings** with a combined built area of **68,404 m²**, supported by academic, research, recreation, and student-wellbeing facilities. During 2025, AzTU strengthened the *governance and operational capacity* that supports sustainability and infrastructure management through major institutional initiatives:

- **Institutional sustainability networking and benchmarking:** AzTU was accepted as a full member of the **Association for the Advancement of Sustainability in Higher Education (AASHE)**, expanding access to global collaboration, best practices, and sustainability approaches relevant to campus operations and institutional development. [(source)](#)

- **Digital infrastructure modernization:** AzTU discussed and initiated the development of a university-wide **Digital Transformation Strategy** through the Digital Transformation Council working group, aiming to align institutional systems and educational quality with international practices and labor-market needs. [(source)](#)

- **Circular and sustainable infrastructure for innovation:** AzTU signed an MoU with **Dithari Technologies** to establish the **DISC Innovation and Sustainability Lab**, focusing on circular IT, e-waste reduction/management, and practical sustainability skills for students. The university committed to providing modern infrastructure/space and administrative support for this lab. [(source)](#)

- **Community-facing sustainability infrastructure and education:** The "Green Mission" initiative (recycling plastic waste and converting it into 3D-printer filament) continued with broader engagement, including visits by school students who observed sorting, recycling and filament production processes at AzTU facilities. [(source)](#)

- **Safety and preparedness culture:** AzTU held a 2025 event dedicated to **World Civil Defence Day**, highlighting population safety, labor protection, and emergency-preparedness awareness at the university. [(source)](#)

Overall, AzTU's 2025 setting and infrastructure approach links campus space management, safety and accessibility, digital transformation, and sustainability-focused innovation labs to support continuous improvement aligned with GreenMetric principles.

Referencies

1) [UI GreenMetric](#)

2) [National Information Portal on Sustainable Development](#)
3) [AzTU Sustainability](#)

Objectives

– Enhance Environmental Sustainability…

– Expand Green Spaces…

– Promote Sustainable Mobility…

– Implement Waste Reduction Strategies…

– Enhance Water Management…

– Integrate Renewable Energy Sources…

– Foster Research in Sustainability…

– Establish Educational Programs on Sustainability…

– Enhance Campus Infrastructure for Accessibility…

– Strengthen Community Partnerships…

– Monitor and Evaluate Sustainability Initiatives…

– Increase Student Engagement in Sustainability Activities…

Keywords

KEYWORDS FOR SETTING AND INFRASTRUCTURE				
Agro-Industrial Clusters	Eco-Friendly	Green Metrics	Pedestrian Access	Sustainable Practices
Biodiversity	Ecological Footprint	Green Spaces	Pollution Reduction	Sustainable Transportation
Campus Greening	Educational Initiatives	Health and Wellness	Recycling Programs	Tree Planting
Carbon Footprint	Energy Efficiency	Inclusion and Accessibility	Renewable Energy	Urban Forestry
Climate Resilience	Environmental Awareness	Infrastructure Development	Smart Technology	Waste Management
Collaboration	Environmental Impact Assessment	Innovation Centers	Sustainability	Water Conservation
Community Engagement	Green Infrastructure	LEED Certification	Sustainability Committee	Zero Waste

Current Situation
Campus Infrastructure

AzTU's setting and infrastructure indicators are supported by the main campus building stock and open-space allocation. The reported built-area distribution across facilities is:

- Building 1 (main): 14,000 m²

- Building 2: 8,700 m²

- Building 3: 10,800 m²

- Building 4: 7,300 m²

- Building 5: 9,000 m²

- Building 6: 12,448.15 m²

- Other: 6,155.85 m²
  Total: 68,404 m²

Open spaces: Around **20,000 m²** is dedicated to open areas, accounting for **~32%** of the total campus area.

Environmental and sustainability-supporting infrastructure (2025 updates)

– **Sustainable mobility:** pedestrian-priority circulation and dedicated lanes remain a core approach to reduce reliance on motor vehicles and support safer campus movement.
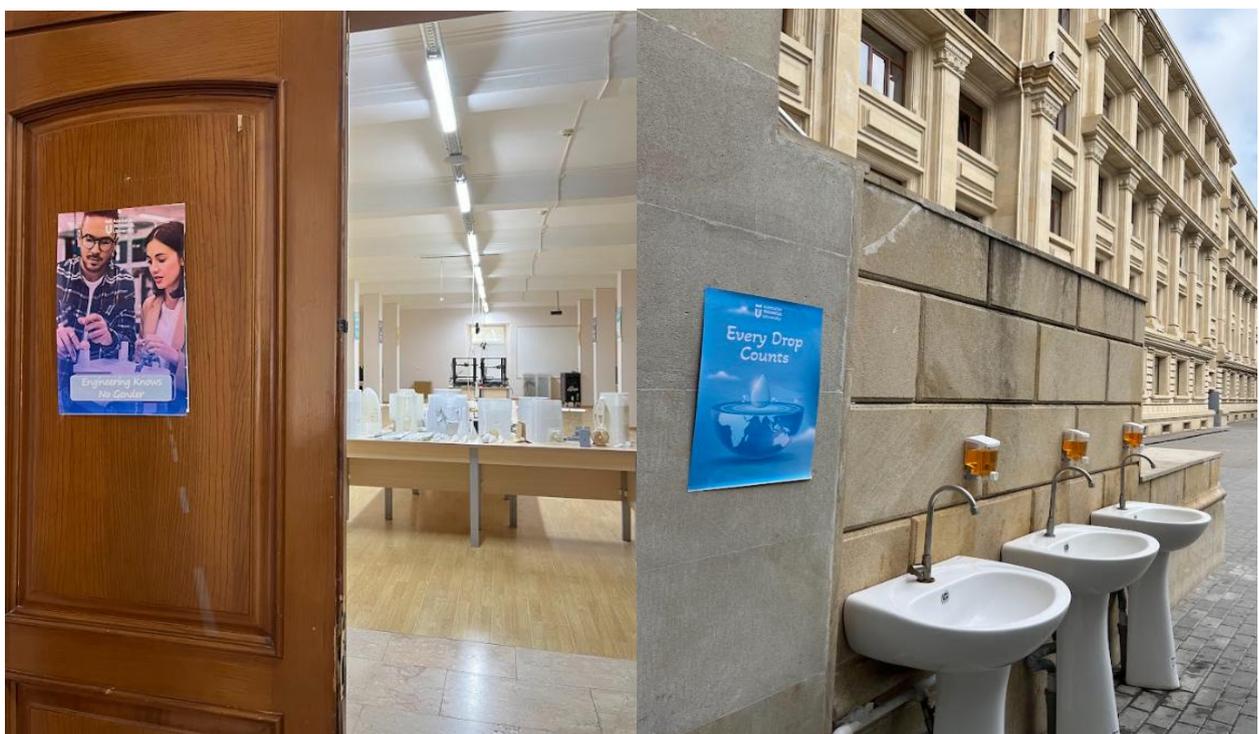

– **Campus greening and functional landscaping:** planted vegetation and water absorption areas support storm-water management and climate resilience practices.
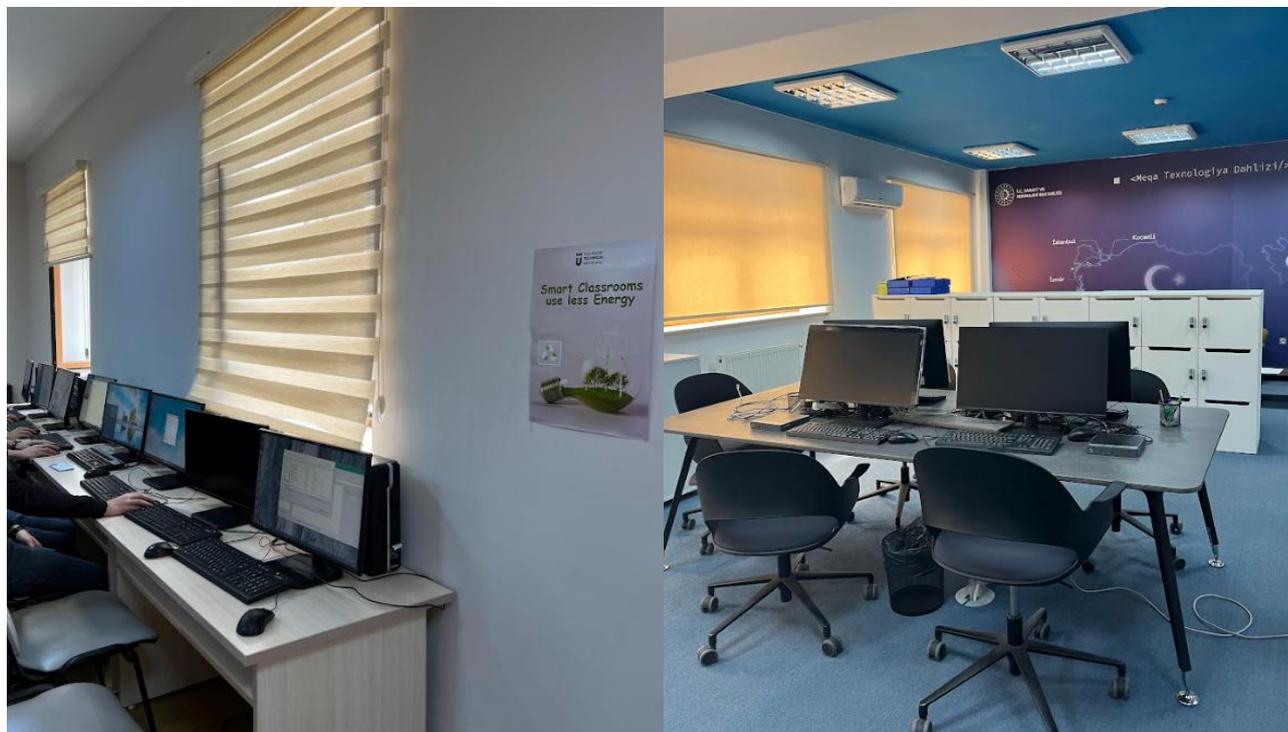
- **Circular IT & e-waste management infrastructure:** In 2025 AzTU advanced infrastructure support for sustainability innovation via the DISC Innovation and Sustainability Lab (space + administrative support), focusing on circular IT, refurbishment and e-waste reduction. aztu.edu.az

- **Recycling and sustainability education through campus facilities:** The Green Mission initiative demonstrated operational recycling workflows (sorting → recycling → filament production) and strengthened community engagement with the campus sustainability infrastructure. aztu.edu.az

– **Institutional systems modernization:** The 2025 Digital Transformation Strategy development process supports governance and operational capacity improvements that also affect infrastructure/service delivery (planning, monitoring, quality alignment). aztu.edu.az

Sustainability Budget

Azerbaijan Technical University integrates sustainability-related expenditures within its overall institutional budget planning framework. In 2025, sustainability actions related to campus infrastructure, environmental awareness, digital transformation, waste reduction initiatives, and innovation laboratories were implemented through project-based funding, institutional resources, and strategic partnerships rather than through a separately itemized sustainability budget line.

This integrated budgeting approach supports continuous improvements in campus infrastructure, environmental management practices, and sustainability-oriented education and research, in alignment with the principles of the UI GreenMetric World University Rankings.

	2022	2023	2024	Average
Budget Total	$12,590,320.00	$13,066,4900.00	$16,422,613.1054	$14,026,474.37
Sustainability Budget	$629,516.00	$783,989.40	$1,970,713.57	$1,128,072.99
			Percentage	8.04%

Future goals

– Enhancing Green Infrastructure

– Sustainable Transportation Initiatives

– Waste Management and Recycling Programs

– Sustainable Energy Use

– Community Engagement and Inclusivity

– Continuous Improvement and Education

Conclusion

AzTU's 2025 setting and infrastructure narrative builds on its established campus footprint and open-space allocation while strengthening institutional capacity through international sustainability networks (AASHE), governance modernization (Digital Transformation Strategy), and dedicated innovation infrastructure that supports circular IT and e-waste management (DISC Lab) (source 1), (source 2), (source 3). The university also continued practical sustainability engagement through recycling-based educational initiatives (Green Mission) and reinforced safety and preparedness culture through campus-wide awareness events (source 1), (source 2).