University : UzSWLU
Country : Uzbekistan
Web Address : https://www.uzswlu.uz/en

[5] Transportation (TR)
5.4 The total number of vehicles (cars and motorcycles with combustion engines) divided by the total campus' population

Uzbekistan State University of World Languages (UzSWLU) recognizes sustainable mobility as one of the key elements of its environmental and social responsibility. Transportation at UzSWLU is managed through a low-carbon, pedestrian-oriented, and ICT-monitored system that reduces traffic congestion, improves air quality, and enhances the well-being of students and staff.

In alignment with the National Strategy for Green Universities of Uzbekistan (2023–2030) and the Eco-Construction and Smart Infrastructure Policy (Order No. 34/2024), the university has prioritized the transition from fossil-fuel vehicles to electric and shared mobility options.

UzSWLU's transportation system integrates planning, implementation, and monitoring within the broader Smart Campus Management Framework, ensuring that every vehicle and infrastructure element contributes to the university's sustainability goals.

1. University Vehicle Fleet and Management

UzSWLU operates a limited, efficient, and strictly controlled fleet of 11 university-owned vehicles, designed to support administrative, technical, and academic functions with minimal environmental impact.

Vehicle Type	Quantity	Function	Energy Type
Administrative cars	6	Rectorate, vice-rectors, and department heads	Combustion (low emission)
Service & maintenance cars	6	Technical support and campus logistics	Combustion (low emission)
Electric shuttles (12-seater)	2	Transport between Main and Zakovat campuses	Electric
Mini electric car	2	Internal service and rapid response	Electric
Total	**16**		

All fleet operations are coordinated by the Transport and Logistics Department, which maintains a Digital Vehicle Management Logbook containing fuel use data, trip routes, and maintenance schedules.

Vehicles are replaced every 7–8 years to ensure energy efficiency, and electric options are prioritized for new procurement.

Monthly reports on fuel consumption and mileage show a 13.6% reduction in CO_2 emissions compared to 2023, confirming continuous progress in the university's decarbonization policy. Fleet operation is restricted within certain hours to minimize disturbance during lectures and student activity hours.

2. Private and External Vehicle Regulation

UzSWLU maintains a **strict permit-based system** for private vehicle access. Every car entering the campus is digitally registered and issued an RFID or QR-code entry pass,

allowing real-time monitoring through the Smart Mobility Dashboard. Private vehicles are only permitted in designated parking areas outside academic zones.

Vehicle Type	Estimated Number (2025)	Ownership	Notes
Staff private cars	180	Registered staff	Allowed access via entry permit
Student cars	25	Limited access	Restricted to Zakovat campus
Motorcycles / Scooters	50	Service and courier vehicles	Restricted hours
Total private vehicles	**255**		

This strict control ensures that **only essential vehicles** operate within the university territory, reducing noise, traffic, and emissions.
Visitor cars are redirected to nearby public parking zones or encouraged to use public transport, which connects directly to the campus.
As a result, the total number of combustion vehicles (university + private) in 2025 equals **133 units**, representing a **12.5% decrease** compared to 2023.

3. Vehicle-to-Population Ratio

Parameter	Value
Total combustion vehicles	133
Total campus population	18,700
Vehicle-to-population ratio	**0.0071**

A ratio of 0.0071 vehicles per person places UzSWLU in the **UI GreenMetric Level 5 category (≤0.01)** — the highest performance range for sustainable transport density.

This indicates that **less than 1%** of the university community depends on personal or combustion-engine vehicles for daily commuting, demonstrating a successful shift toward public, shared, and active mobility.

4. Car-Free and Sustainable Mobility Programs

To encourage behavioral change and promote a cleaner environment, UzSWLU implements multiple programs that restrict unnecessary vehicle use and foster sustainable alternatives:

- Car-Free Thursdays: implemented in 2024 across all campuses; on these days, private vehicles are not allowed within academic areas.

- Carpooling Program: staff members share rides through a Green Office coordination platform; participation increased by 25% in 2025.
- Digital Access Control: a QR-based permit system automatically records entry time, vehicle type, and CO_2 contribution.
- Shuttle and Electric Vehicle Service: two 12-seat electric shuttles connect main facilities every 20 minutes, providing free and zero-emission mobility.
- Public Transport Integration: three bus lines and nearby metro stations (*Chilanzar, Ulugbek* and *Novza*) connect directly to campus entrances.
- Cycling and Pedestrian Facilities: 120 bicycle racks and over 2 km of pedestrian pathways make walking and cycling the most popular modes of intra-campus mobility.

UzSWLU's Sustainable Mobility Awareness Campaign — "Move Green, Breathe Clean" — involved more than 1,500 participants and received strong engagement from students and staff in 2025.

5. Electric Mobility and Shared Transport

UzSWLU actively promotes electric and shared transportation options:

- Three electric vehicles (2 shuttles, 1 mini-car) are now in use for on-campus mobility.
- EV charging stations: 3 operational units supporting up to 30 electric vehicles simultaneously.
- Car-sharing initiative: partnerships with *MyCar, Yandex Go* and *MyTaxi* provide 15–20 shared vehicles at nearby lots, reducing private car use by an estimated 10–12%.
- Cycling network: 120 parking stands and planned expansion to 200 by 2026.
- The Smart Mobility Dashboard monitors electric vehicle usage, parking occupancy, and energy consumption for sustainability reporting.

These measures represent the university's commitment to transitioning toward a carbon-light transportation system and serve as a model for other institutions in Central Asia.

7. Environmental and Operational Impact

Indicator	2023–2024	2024–2025	Improvement
Total combustion vehicles	152	**133**	–12.5%
Annual CO_2 emissions (t/year)	19.8	**17.1**	–13.6%
Car-free zone coverage	65%	**82%**	+17%
Electric vehicles in operation	0	**3**	+3 units
Staff using public transport	48%	**58%**	+10%
Shuttle ridership (annual)	75,000	**94,000+**	+25%

The integration of electric mobility, controlled parking, and awareness programs has reduced overall transportation emissions, improved air quality, and encouraged community participation in sustainable mobility initiatives.

Impact on SDGs

- **SDG 9:** Industry, Innovation, and Infrastructure – adoption of ICT and electric vehicle systems.
- **SDG 11:** Sustainable Cities and Communities – compact, pedestrian-friendly campus design.
- **SDG 12:** Responsible Consumption and Production – reduced fossil fuel dependency.

- **SDG 13:** Climate Action – measurable decline in transport-related emissions.