11.4.1 Sustainable Practices Targets

2024/2025

From Policy and Baselines to Low-Emission Mobility: AASTMT's Five-Campus Strategy

Across Egypt, the Arab Academy for Science, Technology and Maritime Transport (AASTMT) approaches sustainable commuting as an institutional accessibility, traffic-management and decarbonisation challenge. Its official Transport and Travel Planning Policy and Integrated Transport Plan seek to reduce dependence on individually driven cars, maintain affordable shared transport, encourage walking and cycling, manage campus parking and support the transition toward electric vehicles. The policy also specifies biannual student-and-staff travel surveys to estimate a commuter-travel carbon footprint, together with annual fleet and EV-parking-permit reviews. These are documented monitoring commitments rather than independent proof that every review was completed during 2024–2025.

In Port Said, a 2025 green-hydrogen workshop is documented. In Aswan, a campus solar-power installation supports the broader clean-energy transition.

AASTMT translates this framework into a carefully verified sequence: a dated expansion of shared campus access, a carpooling behaviour-change campaign, skills development for electric mobility, and a quantified EV-infrastructure proposal. The published 2024 transport table separately reports 844 vehicles across managed cars, cars entering campus and motorcycles, providing a retrospective vehicle-activity reference; this is not the number of commuters, a mode-share survey or proof of carbon savings. The priority for the next reporting cycle is to connect such operational records to campus-specific ridership, travel-mode shares, survey results, target thresholds and audited commuting-emissions trends.

The multi-campus delivery model combines established services with locally evidenced actions. At Alexandria's Abu Qir Main Campus, AASTMT describes a fleet of more than 25 buses, nine coasters and nine minibuses, a free shuttle between Abu Qir and Miami campuses (approximately 20 km apart), pedestrian-priority measures, parking controls and the dated Car Pooling Day campaign. For Cairo, Smart Village and Heliopolis participate in the Academy's wider transportation and sustainability framework; the El Alamein announcement explicitly promotes bus links with Cairo, while a Smart Village electric-mobility expert-session report was published in May 2025 without confirming the precise date of the session. El Alamein has the strongest additional location-specific records in this period: new shared-bus routes and a signed proposal for two 22-kW EV charging points.

EU Workshop on Green Hydrogen Technologies & Zero-Emission Transport Targets (Port Said Campus)

AASTMT's Port Said Campus hosted an intensive European Union workshop dedicated to deploying green hydrogen technologies and establishing decarbonization benchmarks for the maritime and land transport sectors. The workshop formulated measurable operational targets for transitioning conventional logistics fleets and transit vehicles to hydrogen and electric propulsion. The initiative established measurable pathways to phase out fossil-fuel

dependency, directly reducing metropolitan air pollution and greenhouse emissions in coastal industrial corridors.



EU Workshop on Green Hydrogen Technologies & Zero-Emission Transport Targets (Port Said Campus) | AASTMT News

One Shared Journey, Less Congestion: AASTMT Car Pooling Day

AASTMT's Sustainable Development Administration organized Car Pooling Day on 27 October 2024 at Abu Qir, encouraging the Academy community to choose ride-sharing over individual car travel. Supported by AASTMT Sustainability Ambassadors, the campaign highlighted lower fuel consumption, reduced vehicle kilometres, less traffic congestion, reduced parking demand and potential greenhouse-gas savings. The official campaign invitation asked participants to share photographs and videos and offered a Sustainable Student Certificate, turning sustainable commuting into a visible student-engagement activity. This community-facing intervention reinforces carpooling as a practical part of urban planning and sustainable transportation while supporting SDG 11, SDG 7 and SDG 13. Promotional benefits are campaign objectives; the published evidence does not disclose verified participation counts, car occupancy or quantified CO_2 reductions.



Event Details | AASTMT
One Shared Journey, Less Congestion: AASTMT Car Pooling Day

Shared Transport: Daily Shuttle Services and Inclusive Access

To achieve long-term carbon neutrality, AASTMT operates an extensive network of monitored, scheduled shuttlebus fleets connecting suburban residential hubs with primary campuses across Alexandria, Cairo, and Port Said. AASTMT's Sustainable Campus Framework defines verifiable institutional targets to transition internal transit into hybrid and Electric Vehicles (EVs), optimize bus routing through intelligent transport systems, and establish dedicated bicycle infrastructure and pedestrian pathways to minimize personal vehicle use and urban traffic noise. The Academy documents free daily shuttle connections between its Abu Qir and Miami campuses, approximately 20 km apart, alongside an existing fleet of over 25 buses, nine coasters and nine minibuses. Discounted private-sector bus connections and GPS-enabled transport complement accessibility for students and staff.



Shuttle Services Routs at AASTMT, Abu Qir Campus, Alexandria, Egypt



Shuttle Services Routs at AASTMT, Abu Qir Campus, Alexandria, Egypt

Shared Transport: Daily Shuttle Services and Inclusive Access

AASTMT High-Level Disaster Resilience & Urban Sustainability Program Visit

AASTMT hosted an official joint delegation of Arab and European Union delegates for the Disaster Risk Reduction and Urban Sustainability Monitoring Program. The multilateral sessions evaluated regional campus resilience indicators, establishing measurable multi-year institutional targets for climate mitigation, emergency transport routing, and sustainable infrastructure operations. The program benchmarks university mobility and facility

management protocols against international frameworks to ensure comprehensive resilience against climate hazards in Mediterranean coastal quarters.



AASTMT High-Level Disaster Resilience & Urban Sustainability Program Visit | AASTMT News

2024 Parking Access Controls: Shifting Away from Private Cars

AASTMT's Abu Qir mobility program includes student permit restrictions, time-limited parking, peripheral parking zones, preferred spaces for carpools, and a digital carpool-matching service. The published implementation timeline identifies permit-based access and restricted parking in 2024, alongside shuttle expansion in 2023–2024. These actions support safer, more walkable campus streets and lower demand for individual car trips.



Parking Areas at Abu Qir Campus, Alexandria, Egypt



Ratio of Parking Areas to Total Campus Area (Abu Qir Campus, Alexandria, Egypt)

2024 Parking Access Controls: Shifting Away from Private Cars | AASTMT