11.4.2 Promote Sustainable Commuting

2024/2025

From Mobility Policy to Measurable Readiness: AASTMT's Multi-Campus Commitment to Sustainable Commuting

AASTMT targets an integrated institutional approach that treats daily access to education as a matter of accessibility, affordability and environmental performance. Its Transport and Travel Planning Policy and Integrated Transport Plan emphasize shared transport, carpooling, pedestrian priority, more efficient vehicle access and awareness of the relationship between campus travel, traffic congestion and urban air quality. Alongside practical mobility services, the Academy promotes zero-emission vehicles, applied engineering and technical capacity-building to strengthen the transportation systems required by more inclusive and resilient cities. In Alexandria, the Abu Qir Main Campus and Miami connection are supported by a free shared shuttle service, campus transport planning and the 2024 carpooling campaign. In El Alamein, the 2024 introduction of bus routes strengthens connections with urban communities, including Alexandria and Cairo, while the June 2025 technical proposal advances planning for solar-linked EV-charging infrastructure. The Academy's Cairo branches (including Smart Village and Heliopolis), Port Said and Aswan/South Valley form part of the wider multi-campus sustainability and transportation-policy framework.

Between 1 September 2024 and 30 August 2025, that policy framework translated into documented action across four verifiable milestones: an accessible shared-bus-route announcement, a campus-wide carpooling awareness event, an electric-mobility skills workshop, and a technically specified EV-charging proposal. Together, they demonstrate a pathway from reducing single-occupant travel and improving public transportation access to developing the knowledge and infrastructure needed for low-emission commuting.

Connecting Communities, Expanding Access: New Student Bus Routes for El Alamein

On 24 September 2024, AASTMT Student Affairs announced new bus routes serving its El Alamein branch, designed to improve the convenience, reliability and affordability of shared transport for students, staff and visitors. The official announcement describes multiple stops that widen access to the campus; its accompanying transportation poster identifies Alexandria–El Alamein and Cairo–El Alamein connections. By offering an organized alternative to separate private-car journeys, this public transport and commuting initiative supports more accessible transportation systems, better connectivity between urban communities, and the institutional objective of limiting traffic congestion and transport-related urban air pollution.



Connecting Communities, Expanding Access: New Student Bus

Electric Mobility Starts with Skills: The Erasmus+ SPEED Workshop

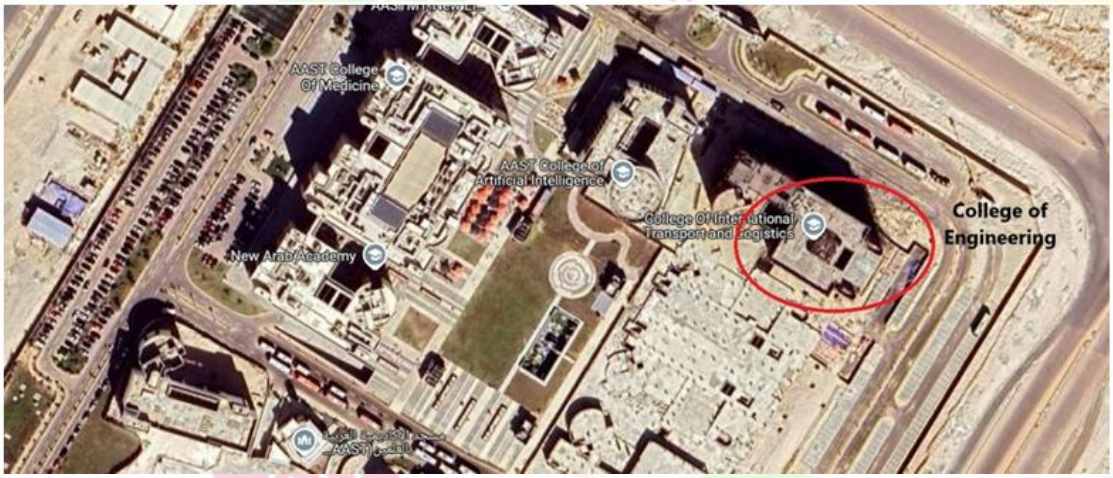
On 16 June 2025, the Erasmus+ SPEED initiative conducted the online workshop "Electric Vehicles Skill Development: Gaps and Challenges," as documented on AASTMT's official sustainability platform. The session presented survey findings on engineering and workforce skills gaps and invited discussion about future curricula and professional training in hybrid and electric vehicles. By connecting academia and industry around the electrification of the transport sector, the programme strengthens the knowledge base needed for intelligent transportation, low-emission vehicle deployment and more sustainable commuting.



Electric Mobility Starts with Skills: The Erasmus+ SPEED Workshop

Preparing the Infrastructure for Cleaner Travel: El Alamein EV-Charging Proposal

A formally dated AASTMT memorandum of 26 June 2025 submitted preliminary technical specifications for a proposed rooftop grid-connected photovoltaic system and two electric-vehicle charging points at the College of Engineering and Technology, El Alamein. The accompanying specifications call for two AC charging points rated at 22 kW each in the college building's basement, with remote monitoring and control. The proposal represents a concrete planning step toward the charging infrastructure required for cleaner private and shared mobility, integrating energy and transportation systems within a smart-cities and sustainable urban-development agenda.



Preparing the Infrastructure for Cleaner Travel: El Alamein EV-Charging Proposal

Carbon Accountability and Last-Mile Electric Mobility

AASTMT's report published 30 April 2025 states that its institution-wide 2024 carbon footprint was 103,862,750 kg CO_2e, down 32.8% against the 2019 baseline, exceeding the Academy's ≥30% campus-wide reduction target for 2025.

Year	Scope 1 (kg CO_2-e)	Scope 2 (kg CO_2-e)	Scope 3 (kg CO_2-e)	Total Emissions (kg CO_2-e)
2024	1,092,500	897,250	101,873,000	103,862,750

Carbon Accountability and Last-Mile Electric Mobility