11.4.9 Building on Brownfield Sites

2024/2025

The Arab Academy for Science, Technology and Maritime Transport (AASTMT) worked on reusing the previously developed land, responsible urban planning and the protection of natural habitats. AASTMT usually gives the opportunity to regenerate underutilized urban land, limit additional land conversion and make efficient use of existing infrastructure. Brownfield development can support the remediation of pollution and legacy solid waste, the conservation of land cover and integration with existing road networks and public transport. These are strategic benefits.

AASTMT's multi-campus presence provides a platform for applying this approach in Alexandria (Main Campus, including Abu Qir), Cairo (Heliopolis and Smart Village), Port Said, El Alamein and Aswan (South Valley). Alexandria is a focal point for campus land-management records; Cairo's Smart Village engineering team contributes urban planning expertise; Port Said provides a coastal-city context for regeneration; El Alamein connects academic design and municipal planning; and Aswan offers a regional context for the reuse of existing facilities. AASTMT's South Valley campus history records the earlier conversion of Hotel School dormitories to a temporary educational campus. AASTMT's dated 2024–2025 activities below demonstrate knowledge exchange and urban regeneration capacity.













AASTMT
AASTMT

Urban Planning Innovations at the World Urban Forum 12 (WUF12)

On 7th November 2024, AASTMT contributed to international dialogue on sustainable urban planning at WUF12. Its faculty shared the integration of a neighbourhood-scale design framework into university curricula, while students and faculty demonstrated the Debatable Urbs! game to foster collaborative decisions on resilient, liveable cities. AASTMT students earned second place in the forum's urban solutions competition for their proposals addressing challenges in Al-Manial, Cairo. This documented achievement strengthens the Academy's capacity for urban regeneration, the improvement of the urban landscape and responsible city planning.



Urban Planning Innovations at the World Urban Forum 12 (WUF12)

Shaping the Future: Graduates Bridging Vision and Reality

On 11 November 2024, AASTMT's College of Engineering and Technology hosted the Head of the New Alamein City Authority and his engineering team to assess final-year architectural proposals. The session connected site analysis, master planning and design with municipal development priorities. This exchange strengthens collaboration on urban development and gives future professionals practical experience in evaluating urban land, improving the urban landscape and shaping smart cities. The published account identifies urban regeneration as a theme, but does not identify any brownfield parcel or completed construction.



Shaping the Future: Graduates Bridging Vision and Reality

Campus Development – Candidate for Brownfield Verification

The Secretary-General of the League of Arab States inaugurated the first phase of AASTMT's College of Engineering and Technology building at New Alamein. The inauguration demonstrates a tangible expansion of educational buildings and institutional capacity during the reporting period. Its relevance to Indicator 11.4.9 depends on establishing the former use of the land and a documented decision to prioritize previously developed urban land.



Campus Development – Candidate for Brownfield Verification