

# Arab Academy for Science, Technology & Maritime Transport



**Arab Academy**  
for Science, Technology & Maritime Transport



**Report 2023 / 2024**

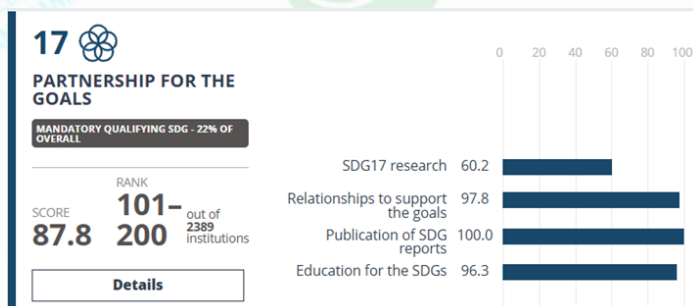


# SDG 17

## Our Aim in 2023 -2024

For 2023–2024, AASTMT aimed to strengthen its commitment to sustainability by improving how SDG principles are taught, applied, and assessed across all programs. The focus was to move from general awareness to measurable, skills-based learning through expanded SDG courses, advanced simulation training, and structured assessment methods. At the same time, the university worked to widen its impact beyond the classroom by supporting community initiatives, empowering vulnerable groups, and collaborating with national and international partners on shared sustainability challenges.

## THE Impact Ranking Scores 2022-2023



## SDG 17

## PARTNERSHIPS FOR THE GOALS

### 17 PARTNERSHIPS FOR THE GOALS



## **Key Milestones in 2023-2024**

During 2023–2024, AASTMT strengthened its strategic role in advancing sustainability by expanding its institutional partnerships and reinforcing its position within regional and international collaboration networks. The Academy deepened cooperation with governmental bodies, development organizations, and sector-specific institutions to support policy dialogue, technical exchange, and joint initiatives across areas such as environmental management, maritime development, and innovation-driven learning.

Within the university, AASTMT enhanced its internal capacity for sustainability by integrating updated learning tools, adopting new instructional technologies, and coordinating efforts across colleges to support interdisciplinary work. These steps contributed to a more coherent institutional approach that links academic development with long-term sustainability planning.

AASTMT also broadened its involvement in international academic platforms, contributing to comparative research, knowledge networks, and shared frameworks that address emerging regional challenges. These engagements supported the refinement of institutional strategies and positioned the Academy as an active partner in shaping educational and developmental trends across the region.

## **Community Engagement**

### **Bridge of Hope Refugee Education Initiative**

The “Bridge of Hope” initiative represents AASTMT’s commitment to expanding access to meaningful education for displaced communities. Through tailored training programmes and academic support, the initiative helps refugees strengthen their skills, build confidence, and pursue new opportunities. This effort underscores AASTMT’s belief in inclusive education as a foundation for social stability, economic participation, and long-term community resilience.



[UNHCR–AASTMT](#)



## South Valley Capacity-Building for Displaced Communities

AASTMT's training programmes in the South Valley offer essential knowledge and practical skills to displaced families seeking to rebuild their lives. These community-focused sessions address real developmental needs, empowering participants while reinforcing the role of education as a pathway to security and self-reliance. The initiative highlights the Academy's dedication to serving communities facing vulnerability and transition.



[South valley outreach program](#)

## Beach Clean-Up

AASTMT students took part in a coastal clean-up activity aimed at improving the local shoreline and raising awareness about environmental preservation. The initiative encouraged students to take an active role in protecting natural spaces while working alongside community members. Through this hands-on effort, participants contributed to cleaner coastal areas and supported broader community-led environmental care initiatives.



[CITL](#)



## **AASTMT and Regional Center for Training and Technology Transfer Sign Agreement for Training, Research, and Consultancy Collaboration**

AASTMT's cooperation agreement with the Regional Center for Training and Technology Transfer supports joint training, workshops, and research activities targeting hazardous waste management and cross-border environmental risks. Through technical guidance, policy-relevant research, and multi-stakeholder networking, the partnership strengthens institutional capacity in a regional NGO that links environmental governance with SDG-aligned sustainable development.



[\*Arab Academy for Science, Technology and Maritime Transport- | AASTMT\*](#)

## **Caritas-Egypt – Arab Academy for Science, Technology and Maritime Transport ‘Cooperation Protocol**

AASTMT signed a cooperation protocol with Caritas Egypt to strengthen collaboration in areas of mutual interest, including community development initiatives, student training, and joint activities that support social and humanitarian engagement. The protocol aims to foster coordinated efforts between AASTMT and Caritas to support local communities and expand service-learning opportunities.



Caritas

## Partnership between The College of Engineering and Technology at AASTMT and Matrouh Governorate for Visual Identity Guide for the Governorate

AASTMT's College of Engineering collaborated with the Matrouh Governorate to design a unified Visual Identity Guide aimed at strengthening urban coherence and cultural representation in public spaces. The initiative supports local governance by integrating engineering methodology with cultural preservation, enabling the governorate to align its public-space design and signage with sustainability-oriented urban development practices.





## **Events**

### **Participation in the Green Peace and Sustainable Resilience Forum**

This forum brought together students, scholars, and sector specialists to examine emerging environmental and socio-economic challenges. Through structured dialogue and expert-led discussions, participants explored pathways for more resilient communities and informed decision-making. The event reflects AASTMT's ongoing support for multidisciplinary exchange on sustainability-related issues.



[Green Peace and Sustainable Resilience Forum](#)

### **Innovation and Entrepreneurship Bootcamp**

The bootcamp provided an intensive learning environment where students developed foundational entrepreneurial skills through guided workshops and practical exercises. Designed to stimulate creative thinking and solution-oriented approaches, the event highlighted the value of innovation in addressing contemporary societal challenges.



[EGYPT RALLY 2023 Bootcamp](#)

## Egypt Entrepreneurship Rally 2023

This culminating event showcased student-led projects developed over a structured competition cycle. Participants presented their ideas to academic and professional panels, allowing them to refine their communication skills and engage in constructive peer exchange. The event fostered a culture of ambition, collaboration, and applied learning.



[Egypt Entrepreneurship Rally 2023](#)

## AASTMT-IMC Collaboration Meeting – Industrial Modernization Centre (May 2024)

During this meeting, university representatives and industry experts aligned training priorities with emerging technological and environmental trends. The exchange supported the integration of applied knowledge into academic pathways and strengthened collaboration between education and the broader professional landscape.



*AASTMT-IMC Collaboration Meeting*

## Technical Workshop on Waste Management Practices

This specialized workshop convened experts and practitioners to discuss modern approaches to waste handling, resource efficiency, and safe operational procedures. The event promoted professional development and encouraged participants to consider evidence-driven solutions to environmental issues.



## Waste Management

## International Workshop on Green Environment & Tourism

Bringing together local and international partners, this workshop examined the intersection of environmental preservation, cultural heritage, and tourism development. Through shared expertise and case discussions, participants gained a broader understanding of how sustainable tourism models can support long-term ecological balance.



## Green Environment and Green Tourism



## BLUE-ERA Workshop on the Sustainable Blue Economy

AASTMT participated in the BLUE-ERA Workshop on the Sustainable Blue Economy, a regional initiative involving partners from Egypt, Tunisia, and Jordan. The workshop focused on developing forward-looking academic frameworks that support education and planning in maritime, coastal, and ocean-related sectors. Through collaborative discussions, participants exchanged expertise on sustainable blue-economy practices, addressed regional environmental and developmental challenges, and contributed to shaping emerging educational pathways in this field. This engagement strengthened AASTMT's role in regional cooperation and supported the integration of sustainability-focused knowledge into areas linked to marine and coastal development.



### BLUE-ERA

## **The Arab Academy for Science, Technology and Maritime Transport (AASTMT) signed a cooperation protocol with the Supreme Constitutional Court regarding Joint Scientific and Academic Cooperation**

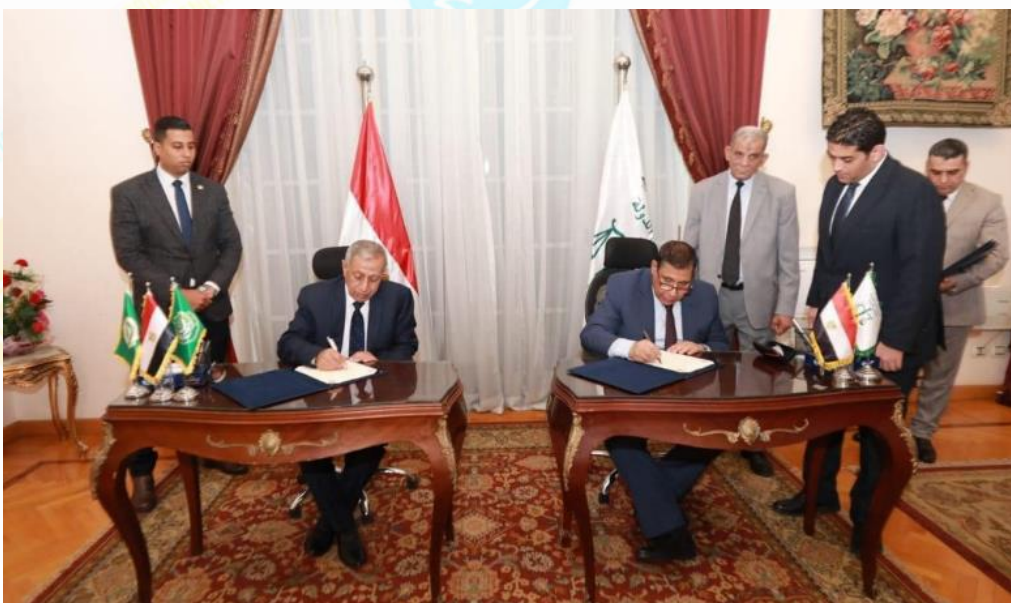
The Arab Academy for Science, Technology and Maritime Transport signed a cooperation protocol with the Supreme Constitutional Court to advance scientific research, academic exchange, and institutional capacity building. The agreement was formalized during an official visit led by AASTMT's President and the Court's senior leadership. It establishes a framework for joint knowledge-transfer initiatives, collaborative research activities, and professional development programs that support judicial-academic dialogue.



AASTMT- EGYPTIAN SUPREME

## **Renewal of the Cooperation Protocol between the Egyptian Council of State and the Arab Academy for Science, Technology and Maritime Transport**

AASTMT renewed its long-standing cooperation protocol with the Egyptian Council of State and signed a new agreement with the Union of African Administrative Councils of State and Supreme Courts. The agreements focus on digital transformation in judicial institutions, exchange of technical expertise, and the development of ICT-enabled litigation systems. The signing ceremony brought together national and regional judicial leaders, alongside academic experts, to discuss digital justice, knowledge sharing, and institutional modernization.



EGYPTIAN COUNCIL OF STATE

## The Arab Academy for Science, Technology and Maritime Transport (AASTMT) and Brightskies Geoscience Sign Cooperation Agreement – August 11, 2024

AASTMT and Brightskies Geoscience held a formal signing event on 11 August 2024 to launch joint training programs and postgraduate study pathways. The agreement also introduced collaborative research and technical projects focused on SDG-related data collection and analysis. The event demonstrates cross-sector engagement supporting capacity building and sustainable professional development.



[brightskies company](#)

## AASTMT and Al-Asmarya Islamic University Sign Memorandum of Understanding to Enhance Training, Research, and Postgraduate Programs

On 13 September 2024, the Arab Academy for Science, Technology and Maritime Transport (AASTMT) signed a three-year Memorandum of Understanding with Al-Asmarya Islamic University in Libya to strengthen academic cooperation and professional training. The agreement supports the delivery of AASTMT training programs to students and staff at Al-Asmarya—particularly those in the College of Marine Resources—while also expanding collaboration in research projects, consultancy work, and postgraduate program development. During the signing ceremony, representatives from both institutions highlighted their shared commitment to knowledge exchange and capacity building across maritime and scientific fields.



*Arab Academy for Science, Technology and Maritime Transport- | AASTMT*

## **AASTMT President Signs Cooperation Agreement with Germany's Dentsply Sirona to Advance Research, Training, and Digital Dentistry Technologies**

The President of the Arab Academy for Science, Technology and Maritime Transport, Prof. Dr. Ismail Abdel Ghafar Ismail Farag, visited Dentsply Sirona in Germany to formalize a cooperation agreement focused on digital dentistry, research collaboration, and professional training. The agreement supports summer training programs for students, as well as specialized development opportunities for faculty and teaching assistants in the latest digital dental technologies.



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## AASTMT and University of Genoa Sign General Cooperation Agreement to Strengthen Academic and Research Collaboration

AASTMT and the University of Genoa formalized a cooperation agreement on 16 March 2024 to expand joint academic and research activity between Egypt and Italy. The partnership strengthens international collaboration through shared research projects in maritime and engineering fields, mobility opportunities for students and faculty, and jointly delivered workshops and academic programs. The agreement establishes a strong foundation for shared research activity and coordinated academic initiatives that strengthen both institutions' global reach.



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## AASTMT and Shipping Deputy Ministry of the Republic of Cyprus Sign Agreement to Explore Academic Collaboration in Maritime Fields

On 31 October 2024, AASTMT signed a cooperation agreement with the Shipping Deputy Ministry of the Republic of Cyprus to develop academic and professional collaboration in maritime fields. The partnership focuses on identifying joint initiatives that support knowledge exchange, research cooperation, and capacity building in maritime education and industry. This partnership reflects AASTMT's dedication to expanding its international maritime network and supporting Cyprus's objectives in advancing maritime education, research, and professional development.



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## **AASTMT and Bernhard Schulte Management (BSM) Sign Cooperation Agreement to Advance Maritime Training and Workforce Development**

AASTMT and Bernhard Schulte Management (BSM) have signed a six-year cooperation agreement to support maritime training and professional development. The partnership provides students with internship placements, practical training, and structured capacity-building programs, while encouraging direct knowledge exchange between academia and the maritime industry. Through this collaboration, both institutions aim to prepare skilled maritime professionals and strengthen international cooperation in shipping education and workforce development.



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## AASTMT and Spirax Sarco Egypt Sign Strategic Partnership to Enhance Academic and Research Cooperation

AASTMT and Spirax Sarco Egypt formalized their cooperation in a signing event focused on strengthening academic and research collaboration. The partnership supports joint teaching, shared research activities, and the organization of seminars and conferences, giving students and faculty access to industry expertise and emerging technologies. Through this engagement, both institutions expand opportunities for knowledge exchange and capacity building while deepening academic–industry cooperation.



### [Spirax](#)

Alongside its community-focused initiatives and collaborative events, AASTMT also strengthens sustainability from within the institution through dedicated academic programs and structured learning assessment frameworks.

## Integrated Sustainability Education and Literacy Assessment

### Sustainability-Focused Academic Programs

AASTMT offers a range of academic programs that embed sustainability principles into technical and professional training. These programs help students build expertise in renewable energy, environmental management, climate systems, and responsible resource planning.

Key offerings include:

- MSc in Renewable Energy & Environmental Engineering.



- MSc in Euro-Mediterranean Environmental & Climate Systems Management.
- Sustainable Development Course.
- Climate Change & Water Governance.

[M.Sc. in Renewable Energy and Environmental Engineering](#)

[Master of Smart Environmental and Climate Change Management \(SECCM\)](#)

[Sustainability & Energy in Buildings](#)

## **Sustainability Literacy Assessment Framework (SLAF)**

To ensure these concepts are fully understood and applied, AASTMT employs a structured Sustainability Literacy and Knowledge Assessment Framework. This framework uses rubric-based evaluations, project assessments, and competency indicators embedded across the curriculum to measure student understanding of clean energy, resource efficiency, climate action, and sustainable systems design. SLAF strengthens the university's ability to track learning outcomes and maintain a consistent, evidence-based approach to sustainability education.

[SLAF](#)

[ESG - Environmental, Social and Governance](#)

## **Upcoming Goals**

In the next academic year, AASTMT will focus on strengthening the practical side of its sustainability work by expanding applied learning in areas such as renewable energy, coastal management, and climate-related challenges. This includes improving training facilities and increasing opportunities for students to work on real development issues.

The Academy will also build on its existing regional collaborations—particularly in maritime development and community-focused capacity-building—to create new channels for joint research and technical exchange.

At the community level, AASTMT aims to continue long-term initiatives with displaced groups, expand environmental activities such as coastal stewardship, and support youth-oriented programmes that encourage continuous engagement and skill development.