Arab Academy for Science, Technology & Maritime Transport

Arab Academy
for Science, Technology & Maritime Transport



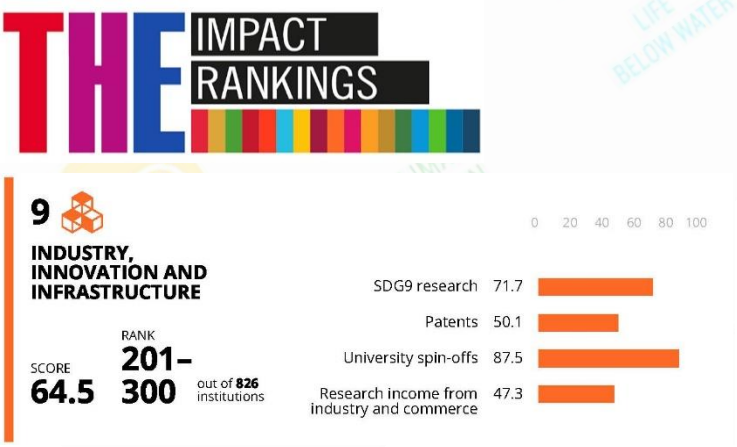
Report 2024 / 2025

SDG 9

Our Aim in 2024 -2025

During the academic year 2024–2025, the Arab Academy for Science, Technology and Maritime Transport (AASTMT) continued to strengthen its contribution to Sustainable Development Goal 9 (SDG 9): Industry, Innovation and Infrastructure, which focuses on building resilient infrastructure, promoting inclusive and sustainable industrialization, and fostering innovation. AASTMT advances this commitment by integrating research, technological development, entrepreneurship, industry collaboration, and capacity building across its academic and institutional activities. Through applied research, innovation-driven programs, startup and spin-off support, industry partnerships, and the development of future-ready skills and infrastructure, the Academy works to bridge the gap between academia and market needs while contributing to sustainable economic development in Egypt and the wider Arab region. Entrepreneurship is a key pillar of AASTMT's contribution to SDG 9. Through its entrepreneurship ecosystem, the Academy supports students, researchers, and startups in transforming innovative ideas into viable businesses and market-ready solutions. Through incubation, acceleration, mentorship, investment opportunities, and industry partnerships, AASTMT strengthens innovation-driven enterprises and connects academic knowledge with real market needs. These efforts contribute to innovation, sustainable economic growth, job creation, and technological advancement, reinforcing AASTMT's role as a leading regional platform for entrepreneurship and innovation.

THE Impact Ranking Scores 2023-2024



SDG 9

INDUSTRY, INNOVATION AND INFRASTRUCTURE

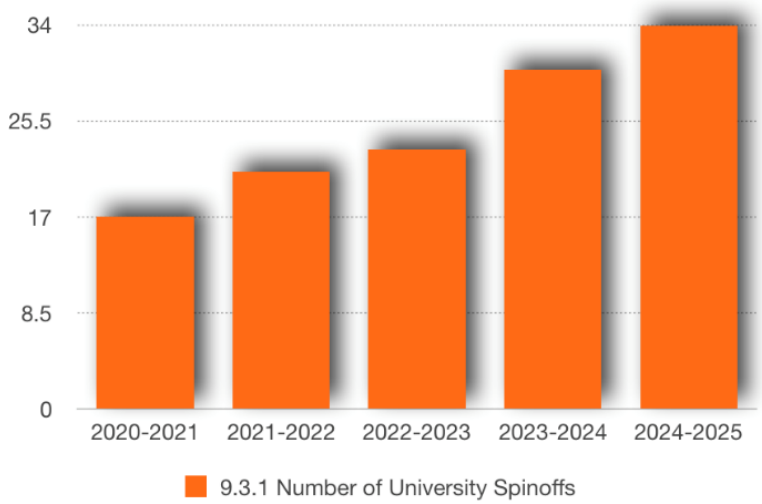


Key Milestones in 2024-2025

AASTMT - Entrepreneurship Center Spin-Offs

Spin-offs, Progress Over the last 5 Years

METRIC/INDICATOR	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
9.3.1 Number of University Spin-Offs	17	21	23	30	34



- **Photon,** Smart is a fabless IoT manufacturer that specializes in Smart Homes. We exist to drive the smart homes industry into the next phase: becoming accessible, user-friendly and affordable enough to become mainstream.
- **Brainfix,** 65% of children leave rehabilitation because traditional therapy doesn't engage the brain. Brain Fix changes that. We've built the world's first system that reconnects the brain to muscles using muscle preparation, VR, AI, and robotics—closing the neural loop other solutions ignore.
- **MyVarm,** (My Virtual Farm) is an Agritech company, offering convenient farming in urban areas in order to achieve proper utilization of extra spaces by providing means to grow healthy food using sustainable methods in small scale while providing a new source of income to our ecosystem (Growers, Suppliers, Agri experts and Urban location owners).
- **Vitrine Furniture,** is a tech-driven online and offline managed furniture marketplace in Egypt that helps customers find affordable, modern furniture and enables local suppliers to reach more buyers.
- **OZY,** adventures is a tourism company specialized in adventure travelling inside & outside Egypt, retreats, and extreme sports trainings.
- **NABTAX,** transforms unused urban spaces — rooftops and hangars — into fully connected smart farms.

- **EMDS,** develops a robotic surgery training platform designed for medical schools, teaching hospitals, and surgical training centers. The platform combines realistic simulation with haptic devices to teach core robotic surgery skills such as camera control, instrument manipulation, peg transfer, and suturing.
- **CY Guard,** CyberGuardX Academy is a leading cybersecurity training provider dedicated to empowering students and professionals with practical skills and internationally recognized certifications.
- **P-Vita,** Patented AI and IoT-driven bioconversion technology turning algae and agricultural waste into high-value natural raw materials, for Green Intelligence Technology.
- **Amwal,** is a crowd-lending platform that allows individual investors to invest in short-term loans of small & medium companies.
- **The Align,** we have created a new device that revolutionizes dentistry by providing instant feedback to the student if he makes a mistake in his job at the pre-clinical stage or in the clinic, because there is no device in the dental field that performs the same function and students rely on feedback from the teacher or via the internet and videos.
- **SUPER NOVA,** is an all-in-one digital marketplace designed specifically to address the needs of communities, consumers, small businesses, and service providers across Upper Egypt.
- **NEOCER,** A genetic analysis device for indicators that lead to early detection of cancer. Neocer introduces a smart, portable system for regular early cancer screening based on microRNA analysis.
- **SNOHE ROBOTICS,** to address the critical challenges in rehabilitation, SNOHE ROBOTICS has developed the Tronix AX3, an advanced, fully integrated robotic rehabilitation device.
- **BOYOT,** provides Real Estate businesses with solutions for all their property management needs.
- **Taiseer,** is an innovative fintech startup revolutionizing micro-savings through gold investment. Based in Egypt, Taiseer offers a Sharia-compliant mobile application that enables users to save and invest in gold through small, flexible contributions.
- **SugarHeal,** is at the forefront of sustainable healthcare innovation, offering advanced wound care solutions through biodegradable patches and 3D printing inks.
- **Mansaj,** is an Egyptian sustainable social enterprise and textile startup based in Cairo. Founded with a mission to bridge ancient traditional craftsmanship with modern design.
- **Schoolz,** is an AI-powered platform that revolutionizes school and corporate transportation - making it safer, smarter, and sustainable.

- **Venu,** MENA's #1 platform to bring people together to meet, celebrate or create. We made it easier than ever to find, compare and book any event space on-the go.
- **Agrona,** is a startup company manufacturing particleboard wood out of agri-residues without cutting a single tree; Fighting climate change and unleashing the economic potentials of the rural societies.
- **Adaptgarments,** is the first brand in Egypt and the Middle East to manufacture special clothes for patients after all kinds of surgeries and fractures.
- **Viridi,** tackles the problem of inadequate and inflexible EV charging infrastructure, which is often unreliable, inaccessible, and costly. Their solution is portable EV chargers with high power capacity, adjustable amperage, and wide compatibility, ensuring versatile and efficient charging for various EV models.
- **Techno Masters,** is an innovative startup working to transform the smart home experience by making advanced home automation more affordable, accessible, and tailored to the needs of the mass market.
- **Buildwealth,** A Fractional Properties Digital Platform, web site and mobile application revolutionary platform unlocking real estate investment for all investment interested personal.
- **AlProtein,** in a startup founded at the intersection of biology and AI to turn the world's deserts into climate-smart protein factories.
- **NovaSec Labs,** is an emerging cybersecurity startup developing innovative solutions that leverage Artificial Intelligence to make penetration testing more intelligent, automated, and effective.
- **Tatbeek**, Hardware and platform to measure and enhance manufacturers' productivity using latest technologies including IoT, Cloud computing, data analysis, machine learning, and image processing to maximize efficiency and minimize waste.
- **Medex Smart Solutions,** First logistic network connecting the pharmaceutical market, accelerating the capital cycle & reducing the expired medicines cash losses, beside protecting people's health from the harms of the repackaged expired medicines starting from Egypt to the Arabian & African countries.
- **Goia,** is a tourism-tech startup from Egypt building a mobile app that acts as a "virtual guide in your pocket." Using AI, AR, and 3D visualization, Goia helps tourists and museum visitors explore cultural heritage sites in an immersive, cinematic way.
- **Interact Labs,** Interact Labs develops hardware and software products that enhance collaboration, increase engagement and interactivity through an enhanced user experience.
- **El-Mawkaa,** is an intelligent marketplace for building materials. We help contractors, Engineers even property owners to get competitive, accurate quotations for their materials, from our vetted suppliers, in a few minutes in a documented & automated process through our innovation the matching algorithms.

- **Joseela,** is an online mall, allowing buyers to buy from their around shops online or take their orders in drive-thru, also for the first time all buyers can get cashback up to 100% for all their purchases process with very easy steps.
- **Deben,** is an Egyptian Startup offering a SaaS solution that enables corporate treasuries to access all of company's bank accounts from one view with reporting.

Spin-offs 2024- 2025- SDG9 AASTMT Site
Spin-offs 2024- 2025- EC-AASTMT Site

Programs and Incubators 2024-2025

P1. Ripple Enabler Program, 2023-Current

Unlike other initiatives, Ripple focuses on empowering enablers rather than entrepreneurs. The program offers capacity building, training, and consultations from local and international experts.

For More View Ripple Page

P2. Ripple Meetups, 2024-Current

The program brings together entrepreneurs, startups, students, innovators, mentors, investors, industry professionals, and ecosystem leaders in an informal and engaging setting where ideas can be shared, experiences can be exchanged, and new connections can emerge.

For More View Ripple Meetups

P3. Business Matchmaking Program 2025-Current

Connects high-growth startups with investors, corporate partners, and global expansion enablers across Egypt, the Gulf, Europe, and Asia. The program combines investment-readiness preparation with curated one-on-one matchmaking meetings, helping startups secure investment, build strategic partnerships, and expand into international markets.

For More View Business Matchmaking Program Page

P4. Supply Chain Accelerator Program, 2022 - Current

Is a first-of-its-kind initiative in the MENA region, offering a 3–6 month intensive program to help high-growth supply chain companies scale and accelerate growth.

For More View Supply Chain Accelerator Page

P5. Egypt Entrepreneurship Rally Society, 2022 - Current

Is an initiative that encourages young Egyptians to explore entrepreneurship. By setting up student-run societies that is Entrepreneurial-led in universities.

For More View Rally Society Page

P6. AAST YIEP/ Plan Incubator Program, 2024 - Current

The Youth Innovation and Entrepreneurship Program (YIEP), a program empowers Egyptian youth by developing their entrepreneurial, employability, and financial literacy skills, supporting them in creating startups and actively participating in economic opportunities.

For More View Plan Incubator Program Page

P7.AI Diploma for AAST Faculty and Staff in Partnership with Meska AI,2025

The diploma brought together 60 faculty and staff members from across AASTMT for a comprehensive learning journey designed to strengthen their capabilities in applying artificial intelligence across education, research, innovation, and entrepreneurship.

For More View AI Diploma Page
For More View AASTMT Programs & Incubators 2024- 2025
Entreprenureship Center webSite
Please visit Link SDG9- Programs & Incubators 2024-2025

Competitions

C1. Egypt Rally Startup Competition, 2020 - Current

Is a full program that focuses on youth from 18 to 40 years who are eager to create and develop startups and become entrepreneurs.

For More View Egypt Rally

C2. AAST Rally Competition, 2021 - Current

An annual competition that aims to promote entrepreneurship among students across all branches of the Academy.

For More View AAST Rally

C3. Rally Accelerate Startup Competition, 2021 - Current

An End-to-End Fundraising program that targets startups that are in the growth phase them for investments.

For More View Rally Accelerate

C4. MATE Egypt Regional ROV Competition

Students design, build, and operate Remotely Operated Vehicles (ROVs) to complete underwater missions based on real-world engineering scenarios. Outstanding teams qualify to represent Egypt at the MATE International ROV Competition.

For More View ROV Competition

C5. The International Olympiad Informatics (IOI) Competition, 2024

AASTMT, honored to organize the International Olympiad in Informatics in its thirty-sixth edition, during the period from 1 to 8 September 2024 in Alexandria.

For More View IOI

C6. The Africa and Arab Collegiate Programming Championship (ACPC), March 2024

Is a qualifying round for the International Collegiate Programming Contest (ICPC). Winners of an ACPC contest qualify to the ICPC World Finals.

For More View ACPC

C7. The Egyptian competition for Programming for University Youth, ECPC 2024

The competition is held at AASTMT AbuKir Headquarters with the participation of 3,000 teams represented by 12,000 students from 123 universities and institutes.

For More View ECPC

C8. RoboCup Junior Egypt competition, 2025

RoboCup Junior is a project-oriented educational initiative that supports local, regional, and international robotic events for young students.

For More View RoboCup Junior

C9. 12th Lee Kuan Yew Global Business Plan Competition 2025

One of the world's premier university startup competitions dedicated to fostering innovation and entrepreneurship among young innovators.



For More View Lee Kuan Yew Global Business Plan Competition
For More View AASTMT, Competitions 2024- 2025
For More View Entreprenureship Center WebSite
Please visit Link Regional informatics Center webSite
Please visit Link SDG9- Competitions 2024-2025

AASTMT Grants

AASTMT Grants	Description	Evidence
The National Bank of Egypt & Entrepreneurship Center	The Grant includes sponsorship of National Bank of Egypt as the main partner for Rally Accelerate Program, Egypt Rally Competition and Ripple summit. **With total amount 8 Million Egypt Pound in year 2024.**	*NBE Grants*
PLAN International Foundation - The Ready for Tomorrow project & Entrepreneurship Center	The program's core mission is to enable young men and women to be inspired and included in economic life by enhancing their employability and entrepreneurial skills. AAST EC serves as the implementation partner, focusing on helping Egyptian youth develop their own startups and improve their financial literacy. **With total amount 4 Million Egypt Pound in year 2024 and 6.5 Million Egypt Pound in year 2025.**	*PLAN Grants*
USAID Business Egypt & Entrepreneurship Center	Program builds on a long and successful partnership between USAID and the Arab Academy for science, technology and maritime transport that helped establish and furnish three business incubators to help train entrepreneurs. **With total 8 Million Egypt Pound in year 2024.**	*USAID Grants*
Obeikan Company & Entrepreneurship Center	Obeikan digital solutions company, Present fun to support the supply chain programs in entrepreneurship center at the academy. **With total amount 2.5 Million Egypt Pound in year 2024.**	*Obeikan Grants*

For More Grants View Grants 2024 - 2025

Partnerships & Agreements

- **“AASTMT - MAFI for Agricultural Produce Industries” Agreement - Sep, 2024**

For More Agreements Page

- **AASTMT - New Egypt Group Memorandum of Understanding - Dec, 2024**

Agreements Page

- **AASTMT - "ICT Misr” Agreement- Dec, 2024**



For more Agreements and Partnerships 2024-2025
Please visit Link Agreements and Partnerships 2024-2025
To know more, please visit Agreements Page

Community Engagement

Initiatives, Ideation & Training

I1. Panel: Showcasing Impactful stories of Entrepreneurship Center, Ripple program Bootcamp Cohort2 - Aug, 2024

To know more, Initiatives & Training Page

I2."The Ready for Tomorrow", Rally Egypt 2024 Competition Training BootCamp- Aug, 2024

To know more, Initiatives & Training Page

I3. The Competitive Programming Club 2024 - Oct, 2024

To know more, Initiatives & Training Page

I4. AASTMT Center of Entrepreneurship Participation in the "World Cities Day 2024” Exhibition - Nov, 2024

To know more, please visit Initiatives & Training Page



For more Initiatives & Training 2024- 2025
Please visit Link Initiatives & Training 2024- 2025

Partnerships, Public Engagement

Universities Engagement



For More Community Engagement Details & Information
Please visit Link Entrepreneurship Center - Cooperation Agreements 2021 - 2024
Please visit Link Entrepreneurship Center - Our Partners
Please visit Link Entrepreneurship Center - Universities Partners
Please visit Link AASTMT Protocols & Partnerships with Industrial Bodies
Please visit Link AASTMT Protocols & Partnerships with Governmental Institutions

Events

Conferences & Events

C1. Ripple Summit24 - First Global Summit for Entrepreneurship Enablers in the MENA Region- Aug, 2024

To know more, please visit Event Page

C2. The 9th International Conference on Advanced Technology and Applied Sciences (ICaTAS 2024)- Oct, 2024

To know more, please visit Event Page

C3.Sustainability Planning for university-based Entrepreneurship Centers, Ripple Program Cohort 2 Bootcamp- Nov, 2024

To know more, please visit Event Page

C4. The Ready for Tomorrow project, powered by AAST Entrepreneurship Centre and PLAN International Foundation- Dec, 2024

To know more, please visit Event Page

C5. AASTMT College of Language and Communication, "Industrial Advisory Council" - Feb, 2025

To know more, please visit Event Page

C6. Arab Dialogue Circle on Artificial Intelligence in the Arab World - Feb, 2025

To know more, please visit Event Page

C7.1st Future International Conference on AI and Cybersecurity (FICAC25) -Mar, 2025

To know more, please visit Event Page
For more AASTMT Conferences & Events 2024- 2025
Please visit Link Conferences & Events 2024- 2025
Please visit Event Page

Looking Ahead: Advancing AASTMT's Impact on SDG 9

Building on its achievements during 2024–2025, AASTMT will continue strengthening its role as a regional hub for innovation, entrepreneurship, applied research, technology and sustainable industrial development. The Academy's next phase will focus on transforming knowledge and innovation into practical solutions that create stronger connections between academia, industry and society.

Strategic Direction	Moving Forward
Innovation & Applied Research	Strengthen research and innovation that respond to real industrial, technological and societal challenges.
Entrepreneurship & Startup Growth	Expand incubation, acceleration, investment readiness and market-access opportunities for innovative startups and university entrepreneurs.
Industry & Technology Partnerships	Deepen collaboration with industry, technology partners and innovation ecosystems to accelerate knowledge and technology transfer.
Future Technologies & Skills	Expand capabilities in AI, digital transformation, smart manufacturing and emerging technologies through education, training and practical applications.
Sustainable & Inclusive Innovation	Support solutions and infrastructure that contribute to sustainable industrialization while expanding innovation opportunities across communities and regions.

AASTMT remains committed to turning knowledge into innovation, innovation into opportunity, and opportunity into sustainable impact — contributing to a more resilient, inclusive and technology-driven future.