Arab Academy for Science, Technology & Maritime Transport

Arab Academy
for Science, Technology & Maritime Transport

Report 2023 / 2024

SDG 9

Our Aim in 2023 -2024

AASTMT, demonstrates a strong commitment to SDG 9: Industry, Innovation, and Infrastructure through its focus on research, technological advancement, and sustainable development. The Academy fosters innovation by supporting re-search centers, startups, and industry partnerships that drive practical solutions in engineering and technology. It invests in modern, sustainable infrastructure and smart campuses to enhance learning and research environments. Through its specialized STEM programs and entrepreneurship initiatives, AASTMT equips students with the skills and mindset needed to promote industrial growth, innovation, and sustainable infra-structure across the region.

AASTMT contributes to SDG 9:

AASTMT encourages research and innovation through its re-search centers, incubators, and technology transfer offices, supporting students and faculty in developing new technologies and entrepreneurial solutions.

The Academy maintains strong partnerships with industrial sectors, maritime organizations, and tech companies, bridging academia and industry to enhance practical learning and technological development.

Through initiatives like AAST Entrepreneurship Center, the Academy empowers students and startups to develop innovative industrial and technological solutions that address real-world challenges.

THE Impact Ranking Scores 2022-2023

SDG 9

INDUSTRY, INNOVATION AND INFRASTRUCTURE

Key Milestones in 2023-2024

AASTMT - Entrepreneurship Center Spin-Offs

Farza is an e-commerce platform for readily trading electrical appliances and delivering it to your home in easy way.

DAAS (Development as a Service) is an AI-driven business planning platform that serves as a virtual co-founder for startups and SMEs. It streamlines business modeling, financial forecasting, and strategic planning in under 15 minutes using automated Q&A-based tools. DAAS aims to replace traditional, costly consulting methods with a scalable SaaS platform, featuring KPI tracking, real-time insights, and growth management tools.

Ezr3ly we develop a sustainable agricultural system based on aeroponic technology, where we manufacture Aeroponic towers and establish farms that rely on them, thereby changing the mindset of agricultural investment.

TANZEMY A dynamic startup committed to advancing medical education and professional development across Egypt. Our focus is on organizing high-quality medical conferences and Continuing Medical Education (CME) events in emerging cities.

NEO Digital Transformation, Fin-Tech Solutions, SaaS Model, Payment GW, Loyalty & Gamification, Digital Solutions, and ERP Platform.

AgriCan We intertwine innovation with intuition, standing at the forefront of a high-tech agricultural revolution. Our mission is to ignite the entrepreneurial spirit in every farmer, believing firmly that with the right tools, every farmer can unlock their full potential.

JULEB is a fully compliant healthcare technology ERP software that is designed to help you in solving your system problems in an easy yet smart way. It is planned with a healthcare understanding that will save your money, integrated and compliant with local and international standards based on your geo location. our associates are distinguished by their functional and technical expertise combined with their hands-on experience.

Millennium Educational Technologies We create interactive shows with digital avatars that can be instantly animated by a performer and then projected on a large screen, then we setup cameras that enables the performer to interact with the audience.

NextEra We are committed to transforming education through innovative technology. Our focus is on creating engaging and personalized learning experiences across public schools, private schools, and universities. Join us as we prepare students for a future of global competitiveness.

AASTMT Enactus The team's dedication, teamwork, and relentless entrepreneurial spirit have earned them the opportunity to represent Egypt at the upcoming 2024 Enactus World Cup in Astana, Kazakhstan.

Me The ME brand aspires to blend tradition with modernity, offering unique Pharaonic-inspired leather goods. With strategic planning, innovative marketing, and a focus on sustainability, the brand aims to establish a significant presence locally and internationally.

Tijara Hub The platform offers the safest, easiest, and most reliable customer experience in the industry. leverage the latest technology and innovation to automate the ordering process, reduce costs, and increase efficiency for partners.

Tayar Is Egypt's first electric Fleet-as-a-Service (eFaaS) platform, providing delivery platforms with ready-to-deploy electric bike riders—fully equipped, trained, and supported. Our mission is to transform last-mile logistics through green mobility, rider empowerment, and tech-driven operations. Offer a plug-and-play solution for delivery platforms by managing the entire fleet layer.

Neqabty Is a FinTech solution that aims to bridge the gap between the syndicates and their members through an accessible platform from anywhere at any time. Serves the syndicates community by providing automated services of syndicates to the members through a mobile application and website supported with various payment methods, to enable and ease acquiring their syndicate services and medical services without the need for visiting the syndicates' premises.

Giftastic Is a startup that try to give the best gift experience to customers through customizing their own gifts - occasion reminder - AI recommended gifta.

Seavo Is at the forefront of redefining marine mobility with a strong focus on sustainability and innovation. We specialize in developing eco-friendly solutions for the marine industry, including our flagship Orca Electric Watercraft and the advanced Seawatch System, which features autonomous marine drones and IoT-enabled safety bracelets.

Jadeed Aims to provide safe and sustainable alternative green energy solutions to reducing temperature & carbon emissions, spread green environmental awareness, spreading awareness of energy saving, also contribute to reduce ambient air pollution by reducing fuel consumption adopting a healthy lifestyle.

Drop Me A tech-powered circularity startup leveraging AI, 100% local manufacturing, and a mobile app to make recycling more actionable, accessible, and rewarding for those aged 15 to 50+ years across Egypt & MENA.

Paycoo is the first super digital wallet app allows cross-border/local transactions without the need for an internet connection and a groundbreaking KYC process that activates accounts in just 3 minutes, and consolidates all your digital wallets and banks in one place for easy management of finances.

YLP is an interactive learning platform offering a unique DUB (Discover, Utilize, Build) program that blends personalized, project-based learning in programming, robotics, electronics, STEM, and mechanical design, for students aged 6 to 17 years old.

Beatrix A New Tourism economic market solution trying to develop the main services and add new services to the Egyptian and Arab markets and adding new services to the all tourism global market.

Masarak We are dedicated to empowering startups and individuals through 1:1 mentorship. Whether you're a student, recent graduate, or freelancer, we help you master real digital skills and thrive in the job market. We also connect startups with the talent they need to grow, and offer targeted mentorship to help them succeed.

TEC Tawreed Offers a new vision and effective innovations to develop local and global supply chains by automating purchasing management for factories. The company features a unique model known as the “triple solution”. The company provides its services inside and outside Egypt to revolutionize supply chains by linking branches together.

Phoenix Pharma Is working on developing high-quality nutritional supplements to help make life better for everyone in the family.

We do this by making supplements that kids and adults will love, so building a healthy, strong body is easy, tasty, and not a hassle. We carefully think through every ingredient in our products to make sure you get the nutrients you need.

Gumla is a mobile App Bridging the gap between brands, distributors, and small merchants. Our mobile app connects them, streamlining product discovery, delivery, and payments. Empowering small merchants to grow by accessing wider product portfolios and cashless transactions. Revolutionizing retail distribution in Egypt and we aim to be the African Ali baba.

Vooo A new thought revolutionizing the world of delivery. Simply download the app, add your data, and register your branches. Each branch can select and request fast, secure, on-demand delivery services whenever needed. In 2024, we’re expanding to include customer food ordering so not only solving delivery service problems but also provide marketing services for restaurants and other shop categories, offering a seamless, 24/7 experience at an affordable cost.

GREENSHIELD Our startup offers an innovative solution for weed management in the cultivation of medicinal and aromatic plants. Our core product is a state-of-the-art weeding robot equipped with advanced technology and AI capabilities. This robot provides precise and targeted weed detection and removal, ensuring the optimal growth, quality, and yield of these high-value crops.

Paveco tackles the environmental and financial costs of construction waste by recycling it into interlock bricks, reducing emissions and material costs by up to 30%. Targeting both B2C (scrap sales) and B2B (construction partnerships), Paveco aligns environmental sustainability with industrial efficiency. With a structured roadmap toward production, regulatory approval, and scaling, the venture is positioned as an eco-conscious, cost-effective alternative in Egypt’s growing construction market.

Walkarella the startup main idea is to make customized female shoes with unique & classy designs to each woman and specially for women who suffer from ingrown nail or bunion and any other medical conditions effect their comfort.

MROSA is a Natural Cosmetics Start-up with many advantages among competitors. Avoiding all harmful ingredients used in other cosmetics and using natural products already present in Egypt, not even cultivated with low cost and present in all bottle’s sizes, matching all customers’ needs.

For more Spin-offs 2023- 2024
Please visit Link Spin-offs 2023- 2024- SDG9 AASTMT Site
Please visit Link Spin-offs 2023- 2024- EC-AASTMT Site

Programs and Incubators 2022-2023

P1. AAST YIEP/ Plan Incubator Program, 2024 - Current

The Youth Innovation and Entrepreneurship Program (YIEP), core mission is to enable young men and women to be inspired and included in economic life by enhancing their employability and entrepreneurial skills.

For More View Plan Page

P2. Smart Manufacturing Incubator, 2023-Current

Smart Manufacturing Incubator is the first-of-its-kind, smart manufacturing incubator that aims to support startups in developing innovative solutions to solve industrial challenges for manufacturing using cutting-edge technologies such as artificial intelligence, machine learning, Robots, Internet of Things, 3D printing and more.

For More View Smart Manufactring Page

P3. Ripple Enabler Program, 2023-Current

AAST-EC, launched the Ripple Program to support university-based Entrepreneurship Centers and Business Incubators in Egypt and the Arab region. 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

P4. AAST Rally Incubator, 2023 - Current

Rally Incubator is a program designed to support students at the Arab Academy for Science, Technology and Maritime Transport (AAST) in developing their entrepreneurial skills and understanding of business processes.

For More View AAST Rally Incubator Page

P5. The Goodwill Incubator, 2021-Current

Goodwill Incubator, The 1St Business Incubator For Entrepreneurs With Disabilities, established in cooperation and sponsorship between Rowad 2030, project of the Ministry of Planning and Economic Development and the Entrepreneurship Center at the Arab Academy for science, technology and maritime transport.

For More View Goodwill Page

P6. 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

For more AASTMT Programs & Incubators 2023- 2024
Please visit Link Entrepreneureship Center WebSite
Please visit Link SDG9- Programs & Incubators 2023-2024

Competitions

C1. 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

C2. 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

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. Egyptian Olympiad Informatics (EOI) Competition, 2002- Current

For the last 18 years, the RIC hosted, trained, and developed the skills of Schools student's to participate and represent Egypt in the International Olympiad in Informatics -IOI.

For More View EOI

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. International Collegiate Programming Contest (ICPC), 2024

The contest fosters creativity, teamwork, and innovation in building new software programs, and enables students to test their ability to perform under pressure.

For More View ICPC

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

For more AASTMT, Competitions 2022- 2023
Please visit Link Entreprenureship Center WebSite
Please visit Link Regional informatics Center webSite
Please visit Link SDG9- Competitions 2023-2024

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 7 Million Egypt Pound in year 2023 and 8 Million Egypt Pound in year 2024.**	*NBE Grants*
KIT - The Karlsruhe Institute of Technology & Entrepreneurship Center	Through the TECHgrow program, supported by GIZ Egypt, this cooperation provides critical financial support, capacity building, and technical mentorship to young entrepreneurs and startups. The cooperation includes support for programs organized by AASTMT's Entrepreneurship Center. KIT provide a tour at Germany 5 Startups from Rally Accelerate for 1 week. **With total amount 150000 Egypt Pound in year 2023.**	*KIT 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.**	*PLAN Grants*
GITP - Global Innovation & Technology Platform & Entrepreneurship Center	Partnering with GITP Asia, unlocking an unmatched opportunities for technology leaders to connects and access to overseas markets, especially in China. GITP provide a tour at China 4 Startups from Rally Accelerate for 10 days. **With total amount 200000 Egypt Pound in year 2024.**	*GITP 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 amount 10 Million Egypt Pound in year 2023 and 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 3 Million Egypt Pound in year 2023.**	*Obeikan Grants*

For more Grants 2022-2023
Please visit Link Grants 2023 - 2024

Partnerships & Agreements

- "AASTMT - Obyan Company" Agreement - Aug, 2023,
  To know more, please visit Agreement Page
- AASTMT - ANRPC "Agreement" - Aug, 2023,
  To know more, please visit Agreement Page
- "AASTMT - Nile of Hope Organization" Cooperation - Aug, 2023,
  To know more, please visit Agreement Page
- "Session 25" of "Memorandum of Understanding on Port State Control in the Mediterranean Region" Meeting - Oct, 2023,
  To know more, please visit Agreement Page
- "Nuclear Power Plants Authority of Egypt - Russian Atomic Energy Corporation Rosatom" Delegation at AASTMT - Oct, 2023,
  To know more, please visit Agreement Page
- "AASTMT - Dentsply Sirona" Agreement - Des, 2023,
  To know more, please visit Agreement Page
- "AASTMT" and "National Telecommunication Institute" Memorandum of Understanding - Jan, 2024,
  To know more, please visit Agreement Page
- "AASTMT" - "UAE Ministry of Energy and Infrastructure" Agreement - Mar, 2024,
  To know more, please visit Agreement Page
- "AASTMT" - Regional Center for Training and Technology Transfer for Arab Countries Agreement - Mar, 2024,
  To know more, please visit Agreement Page
- Renewal of "AASTMT - Egyptian Council of State" Cooperation - Mar, 2024
  To know more, please visit Agreement Page

For more Agreements and Partnerships 2023-2024
Please visit Link Agreements and Partnerships 2023-2024
Please visit Link EC -Partners

Community Engagement

Initiatives, Ideation & Training

1. "AASTMT - League of Arab States" Workshop at the Suez Canal Authority in Ismailia - Aug, 2023 –
   To know more, please visit Initiatives & Training Page
2. "Arab Union for Sustainable Development and Environment"Delegation at AASTMT - Aug, 2023 –
   To know more, please visit Initiatives & Training Page
3. Ripple Program Training Bootcamp- Sept, 2023 –
   To know more, please visit Initiatives & Training Page

4. Invitation of the Minister of State for Industrial Policies and Technology of Hungary Fabian Gergely to meet President of the AASTMT 2023 - Sept, 2023-
   To know more, please visit Initiatives & Training Page
5. Rally Accelerate Winners at TECH4Transition - KIT-Gründerschmiede Program- Germany- Nov, 2023 –
   To know more, please visit Initiatives & Training Page
6. Supply Chain Accelerator Program, KSA Startups Tour- Dec, 2023 –
   To know more, please visit Initiatives & Training Page
7. AASTMT President at the Arab Organization for Industrialization - Jan, 2024 –
   To know more, please visit Initiatives & Training Page
8. Artificial Intelligence for Sustainability Workshop - Feb, 2024 –
   To know more, please visit Initiatives & Training Page
9. The World Creativity and Innovation Day Celebration - Apr, 2024 –
   To know more, please visit Initiatives & Training Page
10. AASTMT President - Industrial Modernization Centre Delegation "Meeting"- May, 2024 –
    To know more, please visit Initiatives & Training Page
11. "Sustainability, and Financial discipline" Panel, at Rally Accelerate Mentorship Bootcamp: "From local to Gloabl" - Jun, 2024 –
    To know more, please visit Initiatives & Training Page
12. "The Ready for Tomorrow" - Rally Egypt 2024 Competition Training BootCamp - Jul, 2024 –
    To know more, please visit Initiatives & Training Page

For more Initiatives & Training 2023- 2024
Please visit Link Initiatives & Training 2023- 2024

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

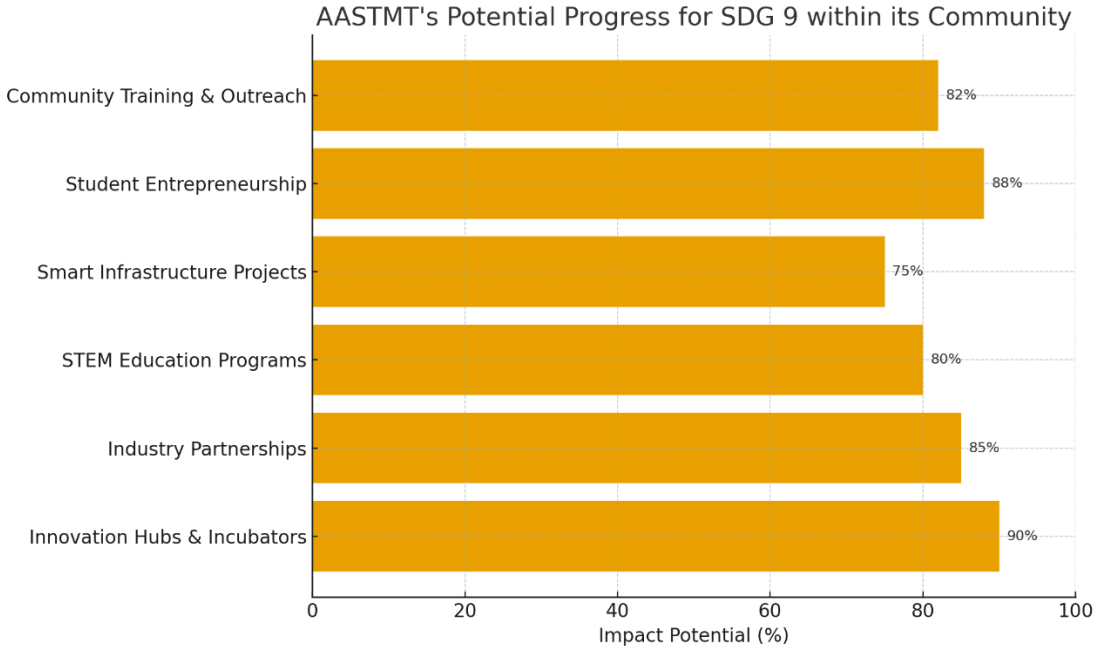
Conferences & Events

1. Ripple launching Ceremony - The Arab league - Jul, 2023 –
   To know more, please visit Event Page
2. "Young Researcher Conference" at AASTMT sponsored by the Ministry of Education's Undersecretary in Alexandria - Aug, 2023 –
   To know more, please visit Event Page
3. AASTMT "1st Oil and Gas Industry" Meeting - Sept, 2023 –
   To know more, please visit Event Page
4. "Fourth China-Arab States BDS Cooperation Forum" - Oct, 2023 –
   To know more, please visit Event Page
5. AASTMT AbuKir Campus College of Engineering and Technology Industrial Advisory Council - Dec, 2023 –
   To know more, please visit Event Page
6. Launching the Egypt Rally & Summit of Entrepreneurship Centers and Business Incubators at Universities- Dec, 2023 –
   To know more, please visit Event Page
7. "Fourth Industrial Revolution Innovations" Laboratory at AASTMT South Valley - Mar, 2024 –
   To know more, please visit Event Page
8. Opening Ceremony of the second international youth forum for creativity and innovation in artificial intelligence- Apr, 2024 –
   To know more, please visit Event Page
9. AASTMT Industrial Advisory Council "6th Session"- May, 2024 –
   To know more, please visit Event Page
10. Startups Without Borders Summit- May, 2024 –
    To know more, please visit Event Page
11. 2nd Delta University International Engineering Conference on Research and Innovation (DU-IECRI 2024) - Aug, 2024 –
    To know more, please visit Event Page

For more AASTMT Conferences & Events 2023- 2024
Please visit Link Conferences & Events 2023- 2024

Upcoming Goals

To strengthen its contribution to SDG 9, the Arab Academy for Science, Technology & Maritime Transport (AASTMT) has developed a strategic plan focused on innovation, sustainability, and industrial collaboration.



AASTMT Upcoming Plan for SDG 9			
Goal Area	**Key Actions**	**Expected Outcomes**	**Timeline**
1. Research & Innovation Development	- Establish specialized research centers (AI, renewable energy, smart infrastructure). - Fund applied research projects solving industrial challenges. - Encourage student innovation through competitions and joint projects.	- Increased research output. - Practical innovations benefiting local industries. -Enhanced student engagement in innovation.	2025–2030
2. Sustainable Infrastructure Expansion	- Upgrade campuses with green buildings and smart energy systems. - Implement digital transformation initiatives. - Adopt sustainable campus transportation (electric shuttles, solar energy).	- Greener, energy-efficient campuses. - Improved operational sustainability. - Model campuses for smart infrastructure.	2025–2032
3. Industry & Community Collaboration	- Strengthen partnerships with industries and maritime organizations. - Create industry-academia innovation platforms. - Join regional and global networks supporting sustainable industrialization.	- Stronger ties between academia and industry. - Increased opportunities for applied research and internships. - Broader regional impact.	2025–2030
4. Entrepreneurship & Start-up Support	- Expand the AAST Entrepreneurship Center and incubators. - Organize innovation training and mentorship programs. - Facilitate funding and networking for student startups.	- Growth of sustainable startups. - Enhanced entrepreneurial ecosystem. - Increased youth contribution to industrial innovation.	2025–2028
5. Education & Capacity Building	- Integrate sustainability and innovation into curricula. - Introduce new programs aligned with digital transformation and Industry 4.0. - Offer professional development for faculty and researchers.	- Future-ready graduates. - killed workforce supporting industrial progress. - Academic programs aligned with global sustainability trends.	2025–2030