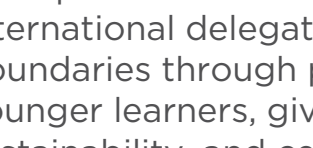




The Innspire

Innovate, Inspire, Impact: The Innspire Way

July - September 2025



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MakeLab

ACITY
ACCRA

Introduction

Welcome to the Q3 2025 edition of The Innspire, the newsletter of the Academic City Technology and Entrepreneurship Center (ACity TEC).

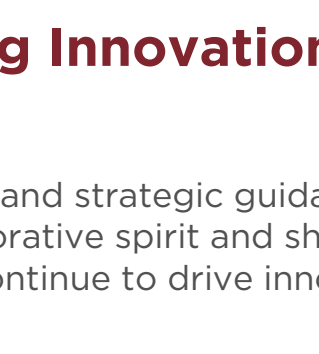
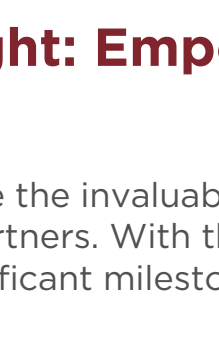
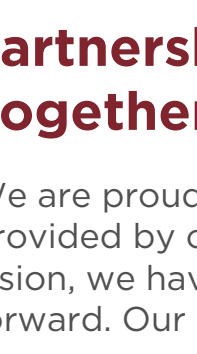
This quarter was all about connection and collaboration. We welcomed international delegations, explored new partnerships, and saw our students push boundaries through projects like ETHOS. Alongside these, we opened our doors to younger learners, giving them hands-on experiences with technology and sustainability, and celebrated our students who took their innovations to global platforms.

In this issue, we share the visits, projects, and events that defined the past three months, and highlight how our community continues to turn ideas into impact.

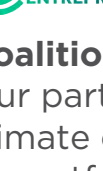
Let's dive into Q3.

Q3 2025 Impact Summary

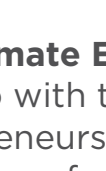
THIS QUARTER



15-25 years

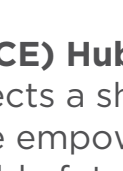


AVERAGE PARTICIPANT
AGE (YOUTH)



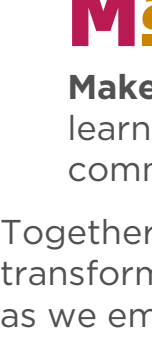
WORKSHOPS &
TRAINING PROGRAMS
HELD

02



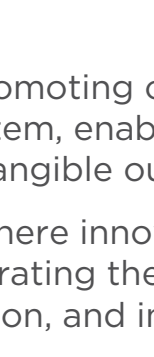
KEY FOCUS AREAS

- Plastic Recycling and Circular Economy (ETHOS Project)
- Climate Innovation and Sustainability
- Entrepreneurship and University Partnerships
- STEM Outreach for Primary and Secondary Schools



PARTNER INSTITUTIONS/
ORGANIZATIONS

- Center for Educational Technology (CET), Israel
- Vienna University of Economics and Business (WU)
- Prudential Life Ghana
- University of Dayton (ETHOS Project)
- Startup Discovery School (ClimateFest Africa)



SCHOOLS ENGAGED

- Enseigne Academy
- Melbot Academy
- Gbegbeyisie School, Dansoman

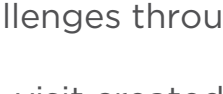


NEW PROTOTYPES OR
VENTURES LAUNCHED

- Plastic4QualityEducation desks,
- ETHOS robotics kits and robotics arm

Partnership Spotlight: Empowering Innovation Together

We are proud to acknowledge the invaluable support and strategic guidance provided by our esteemed partners. With their collaborative spirit and shared vision, we have achieved significant milestones and continue to drive innovation forward. Our partners include:



Coalition of Climate Entrepreneurs (CCE) Hub:

Our partnership with the CCE Hub reflects a shared commitment to advancing climate entrepreneurship. Together, we empower innovators to develop impactful solutions for a more sustainable future.

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Arm: Through our partnership, we have established cutting-edge labs and initiatives that empower students to explore emerging technologies and drive groundbreaking innovations.

MakeLab

ACITY
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MakeLab ACity-Accra: Their dedication to promoting creativity and hands-on learning has enriched our educational ecosystem, enabling students and community members to translate ideas into tangible outcomes.

Together, we are shaping a brighter tomorrow, where innovation thrives and transformative ideas come to life. Join us in celebrating these collaborative efforts as we embark on a journey of innovation, inspiration, and impact.

Visit from CET Israel's Vice President for Technology to Academic City's TEC

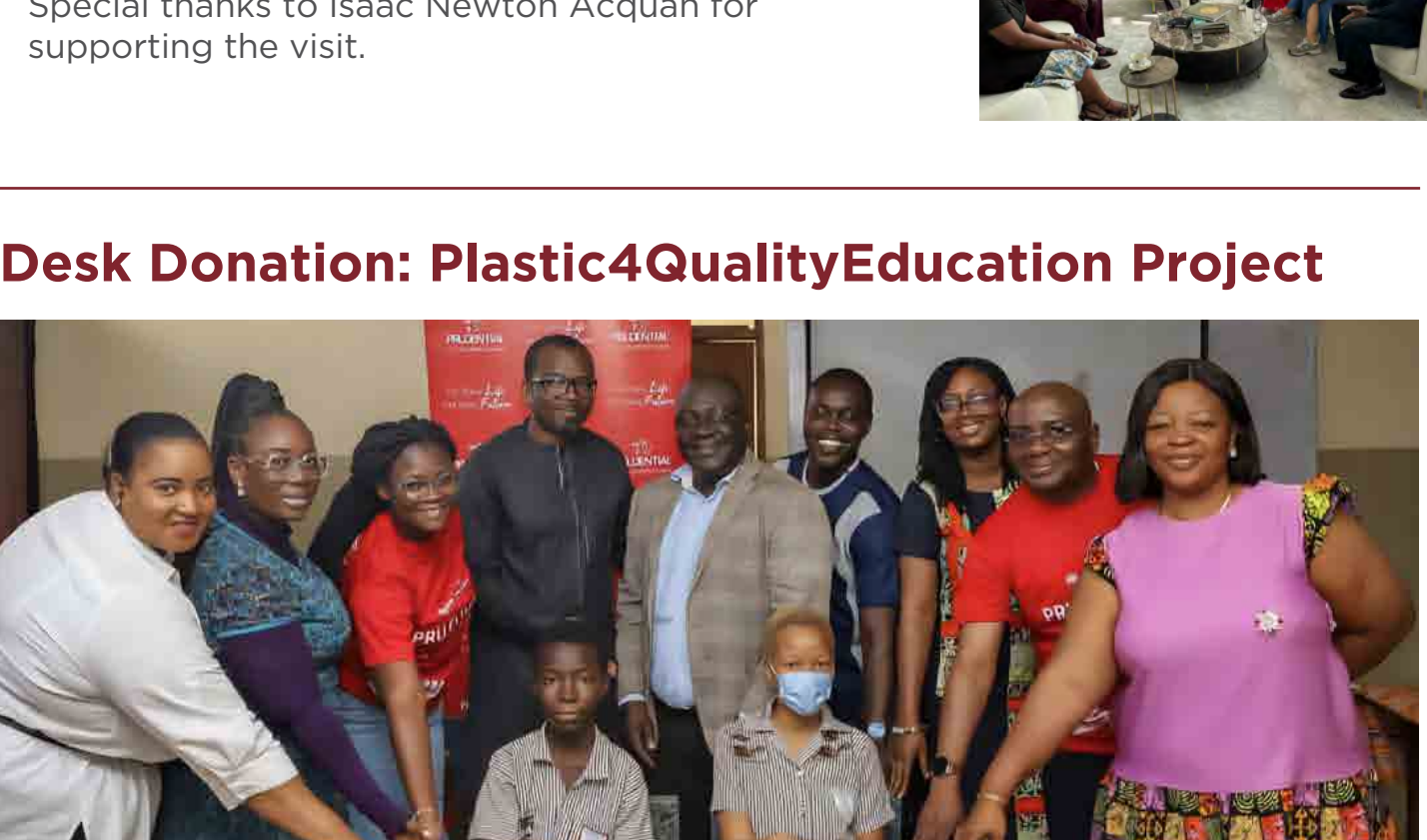


On Wednesday, July 23, 2025, Mr. Niv Gross, Vice President for Technology at the Center for Educational Technology (CET), Israel, visited the Technology and Entrepreneurship Center (TEC) at Academic City University as part of his official tour of Ghana.

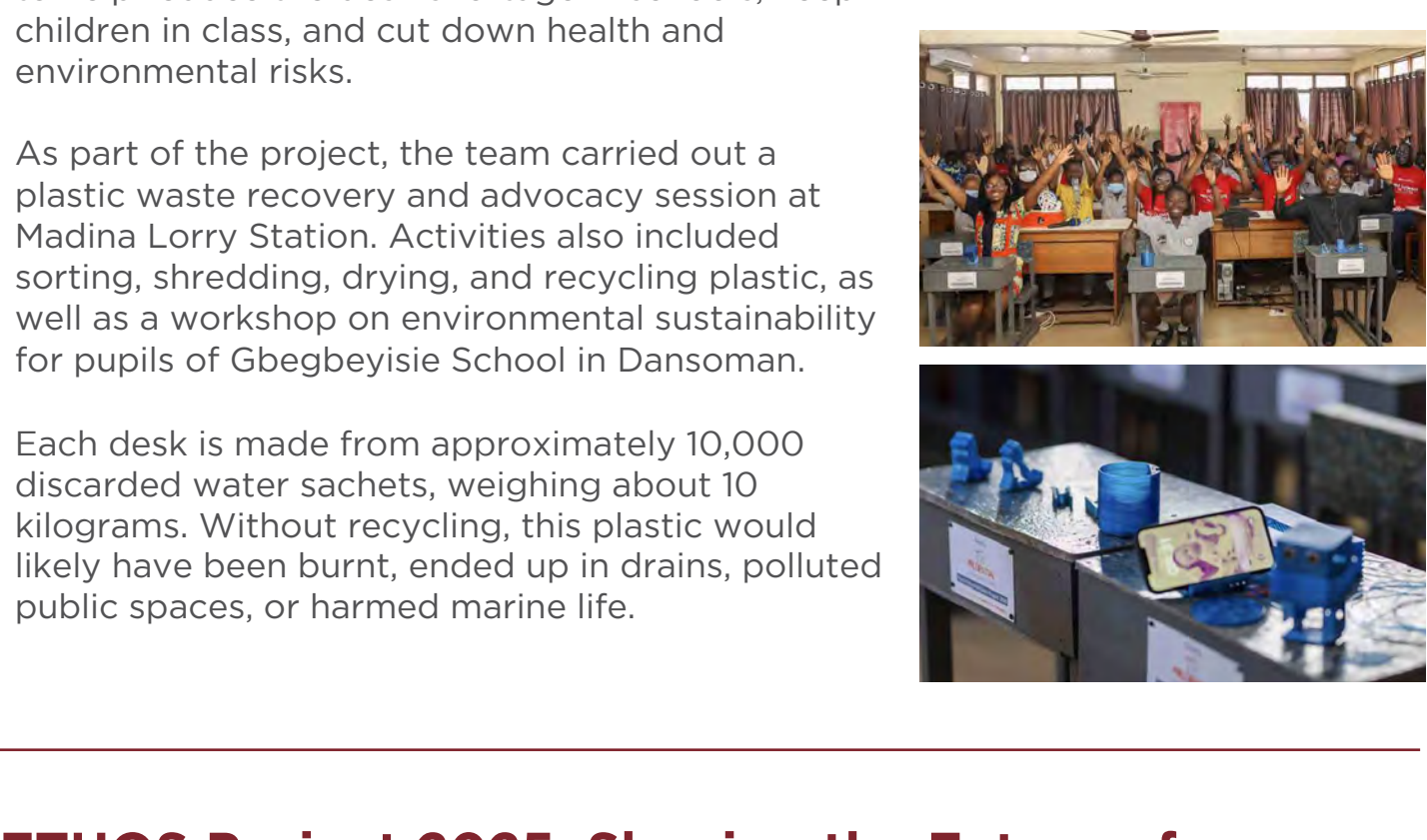
Mr. Gross, a leader in advancing educational technology in Israel, came to explore how Academic City is using technology, entrepreneurship, and hands-on learning to prepare students for the future. He began with a campus tour, including a stop at the Engineering Workshop, followed by an interactive session at TEC.

There, he engaged with team members and students involved in the ETHOS Project, a partnership with the University of Dayton focused on solving real-world challenges through student-led innovation and digital fabrication.

The visit created an opportunity for meaningful conversations about practical education models and how institutions can foster environments that support creativity, critical thinking, and innovation. We're excited about the potential for future collaboration with CET.



TEC Welcomes Vienna University of Economics and Business

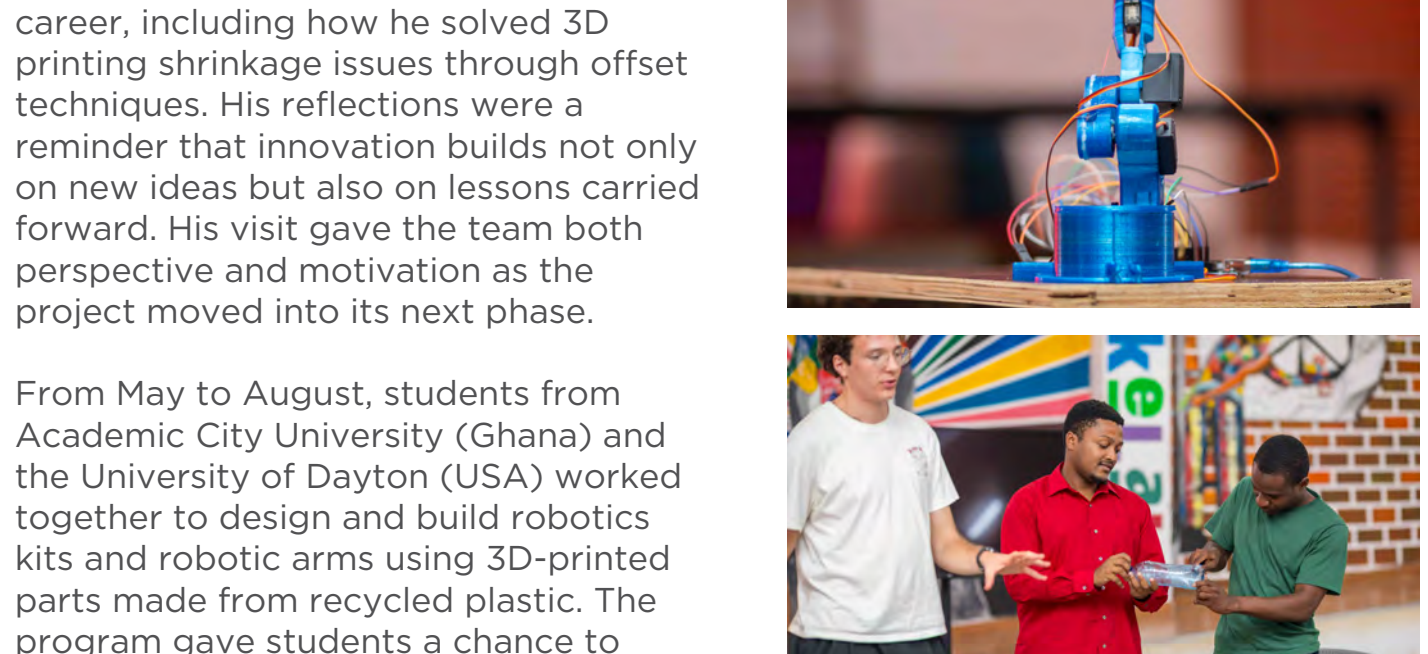


In the third quarter of 2025, the Technology and Entrepreneurship Center (TEC) at Academic City University hosted a team from the Vienna University of Economics and Business (WU). Their visit explored the possibility of bringing the Entrepreneurship Avenue Conference, Europe's largest student startup event, to Ghana.

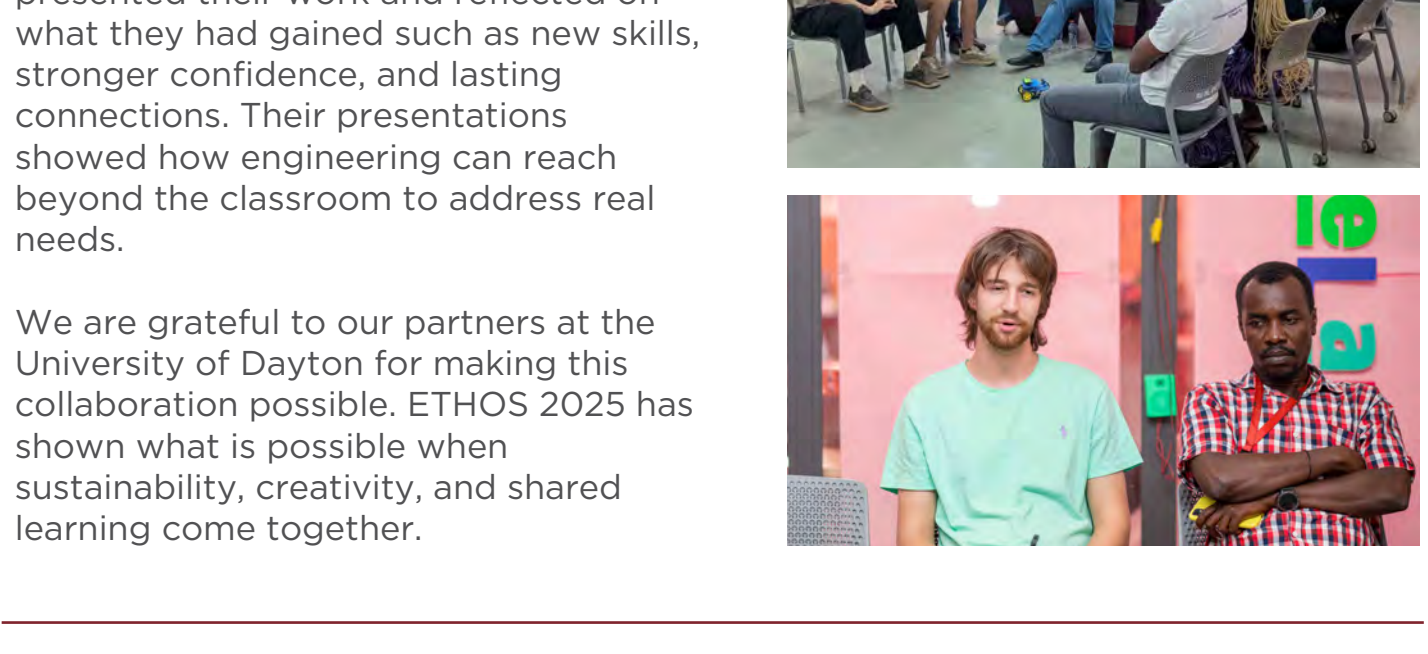
The team joined TEC for visits to Academic City, the UGBS Nest at the University of Ghana, the Entrepreneurship Unit at UPSA, and MEST Africa. They also met with the Austrian Ambassador to Ghana, H.E. Jürgen Heissel, who showed strong support for the idea.

Talks focused on student entrepreneurship, collaboration between universities, and creating more opportunities for young founders.

Special thanks to Isaac Newton Acquah for supporting the visit.



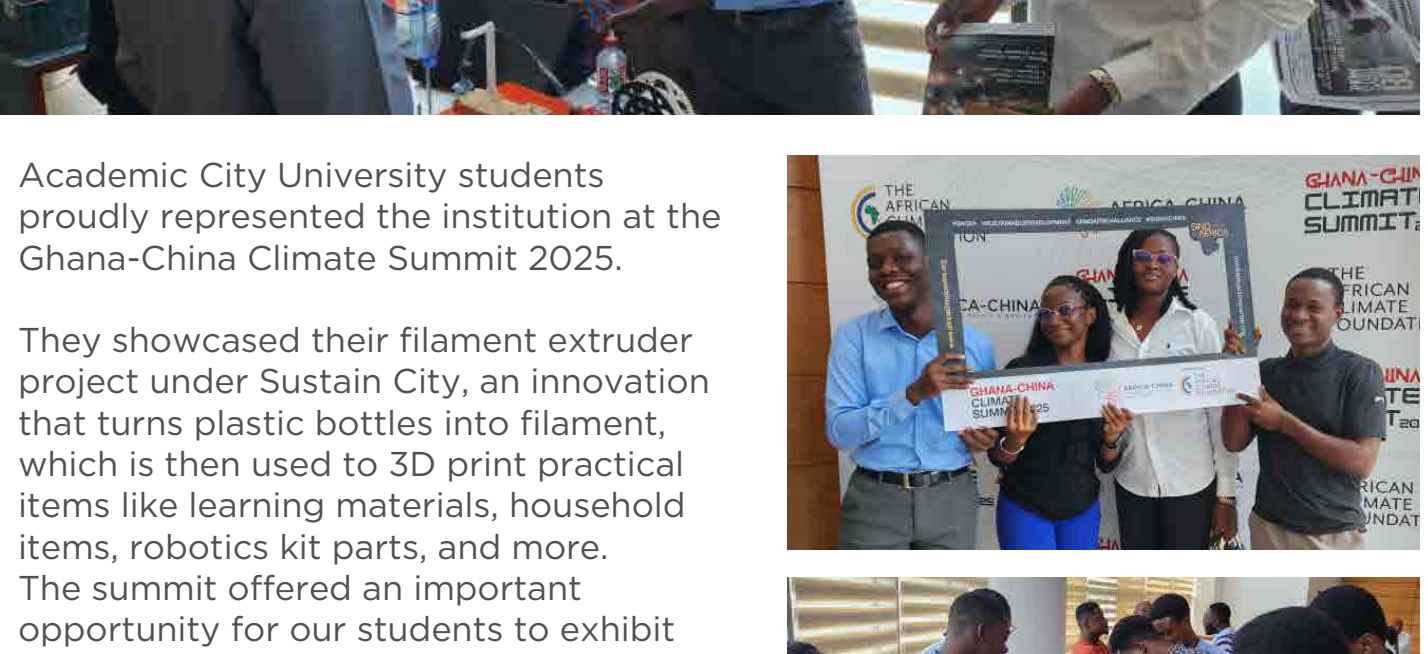
Desk Donation: Plastic4QualityEducation Project



The Plastic4QualityEducation project is a partnership between Prudential Life Ghana and Academic City University. With funding from Prudential Life Ghana, the project produced, assembled, and commissioned 100 school desks made from recycled plastic waste collected from the city of Accra, including lorry stations. The aim is to help reduce the desk shortage in schools, keep children in class, and cut down health and environmental risks.

As part of the project, the team carried out a plastic waste recovery and advocacy session at Medina Lorry Station. Activities also included sorting, shredding, drying, and recycling plastic, as well as a workshop on environmental sustainability for pupils of Gbegbeyisie School in Dansoman.

Each desk is made from approximately 10,000 discarded water sachets, weighing about 10 kilograms. Without recycling, this plastic would likely have been burnt, ended up in drains, polluted public spaces, or harmed marine life.



ETHOS Project 2025: Shaping the Future of Robotics and Learning



This quarter, the ETHOS team welcomed Prof. Fred McBagonluri, President of Academic City, to the TEC. We shared our progress on the 2025 ETHOS Project, which focuses on designing robotic kits and arms from recycled plastic filament to make STEM learning more accessible.

Prof. Fred offered stories from his early career, including how he solved 3D printing shrinkage issues through offset techniques. His reflections were a reminder that innovation builds not only on new ideas but also on lessons carried forward. His visit gave the team both perspective and motivation as the project moved into its next phase.

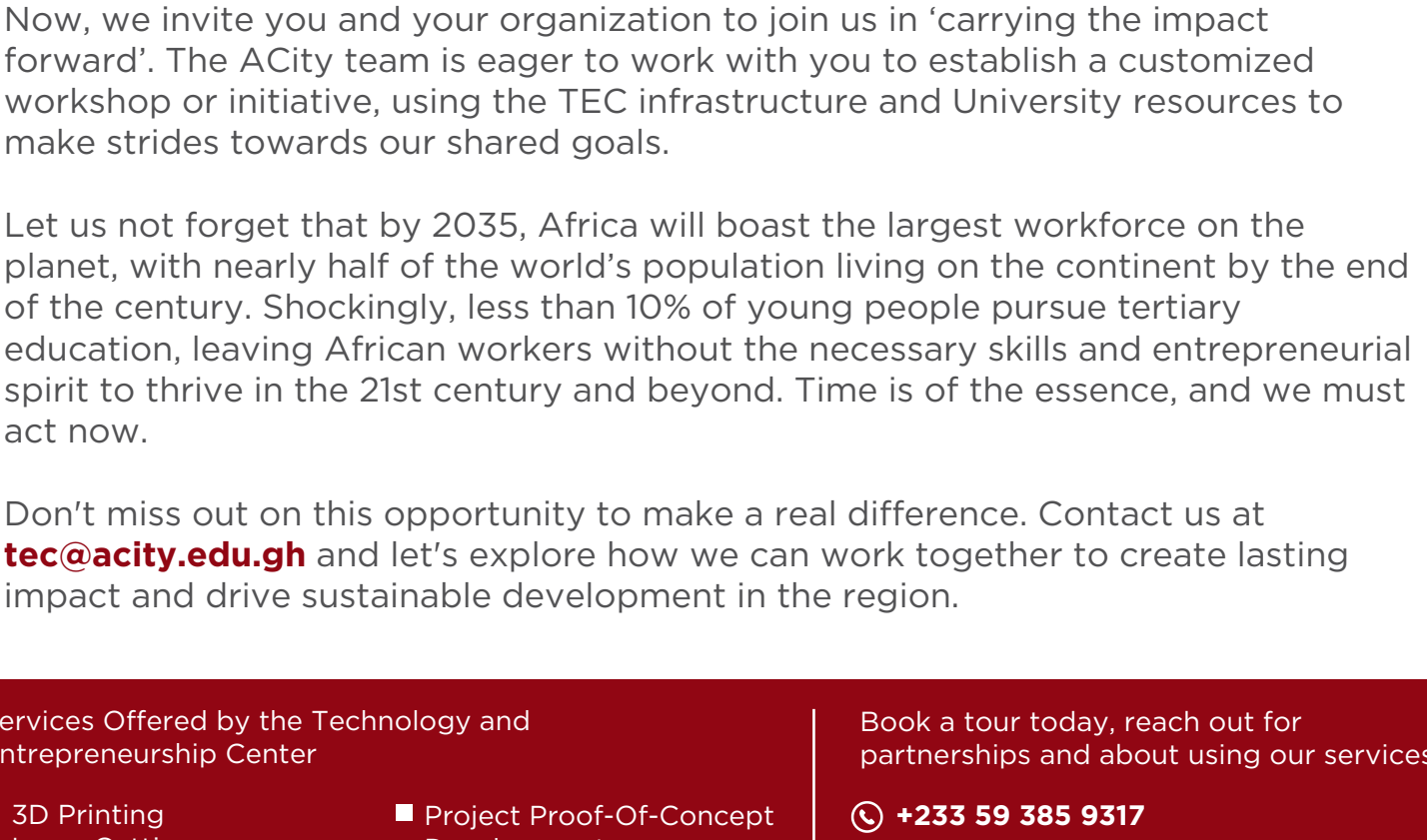
From May to August, students from Academic City University (Ghana) and the University of Dayton (USA) worked together to design and build robotics kits and robotic arms using 3D-printed parts made from recycled plastic. The program gave students a chance to apply technical knowledge, solve practical problems, and learn across cultures.

At the closing session, students presented their work and reflected on what they had gained such as new skills, stronger confidence, and lasting connections. Their presentations showed how engineering can reach beyond the classroom to address real needs.

We are grateful to our partners at the University of Dayton for making this collaboration possible. ETHOS 2025 has shown what is possible when sustainability, creativity, and shared learning come together.



Academic City Students at the Ghana-China Climate Summit 2025



Academic City University students proudly represented the institution at the Ghana-China Climate Summit 2025.

They showcased their filament extruder project under Sustain City, an innovation that turns plastic bottles into filament, which is then used to 3D print practical items like learning materials, household items, robotics kit parts, and more.

The summit offered an important opportunity for our students to exhibit their innovation, network with industry leaders, and explore how global collaboration can advance sustainability and innovation.

We celebrate their efforts in creating meaningful solutions for a sustainable future.

TEC Participates in Maiden Edition of ClimateFest Africa 2025

TEC participated in ClimateFest Africa, hosted by Startup Discovery School at the British Council. The event highlighted bold climate-conscious innovations and celebrated the progress of startups driving change across the continent.

At our stand, we showcased our work in plastic recycling and how we are building equipment to address this challenge. It was an opportunity to share our innovation, connect with others working on climate solutions, and explore potential collaborations.

TEC Hosts Primary School Pupils for Innovation Workshop

The Technology and Entrepreneurship Center (TEC) welcomed pupils from Enseigne and Melbot Academy for an engaging workshop on technology and sustainability. The children took part in practical sessions on recycling, 3D printing, robotics, and virtual reality, giving them a chance to learn by doing.

In addition to the workshop, the pupils went on a campus tour to explore various departments and see how different fields of study connect to real-world solutions. The visit gave them a glimpse of university life and encouraged their curiosity about innovation and future careers.

Sponsorship, Support and Impact - Calling all Partners!

We cannot overstate the importance of partnerships and collaborations in achieving our shared vision of making a lasting impact on African society through sustainable technology development. The TEC owes its existence to the unwavering support of the University and its key partners.

Now, we invite you and your organization to join us in 'carrying the impact forward'. The ACity team is eager to work with you to establish a customized workshop or initiative, using the TEC infrastructure and University resources to make strides towards our shared goals.

Let us not forget that by 2035, Africa will boast the largest workforce on the planet, with nearly half of the world's population living on the continent by the end of the century. Shockingly, less than 10% of young people pursue tertiary education, leaving African workers without the necessary skills and entrepreneurial spirit to thrive in the 21st century and beyond. Time is of the essence, and we must act now.

Don't miss out on this opportunity to make a real difference. Contact us at tec@acity.edu.gh and let's explore how we can work together to create lasting impact and drive sustainable development in the region.