



## Over 70% of global technological innovation linked to engineering

### Readers note:

Dear Readers,

Welcome to this edition of the ERB Newsletter. We are delighted to share with you the key milestones and initiatives that continue to shape the engineering profession in Tanzania.

This September was truly a "September to Remember" for ERB. The month was filled with impactful activities, including:

Engineers' CSR Week, where engineers actively promoted the STEM Support Program (SSP) in schools across the country. The Youth in Engineering Forum (YEF), which brought together young innovators and professionals to discuss the future of engineering. The 22nd Annual Engineers' Day, which attracted engineers and stakeholders from all over the country to celebrate progress and share ideas. The ERB STEM Marathon, where STEM education



was further promoted in secondary schools. An exciting excursion to Mikumi National Park via the Standard Gauge Railway (SGR), showcasing one of the major infrastructure achievements led by engineers.

Thank you for being part of this inspiring journey with us.

Warm regards,  
Adv. Mercy Jilala  
Acting Registrar

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## Over 70% of global technological innovation linked to engineering

Dar es Salaam, September 25, 2025 — Research indicates that more than 70% of new technological innovations worldwide are directly linked to the field of engineering, which encompasses areas such as Information and Communication Technology (ICT), energy, manufacturing, and artificial intelligence.

This was revealed in Dar es Salaam by the Deputy Prime Minister and Minister for Energy, Hon. Dr. Doto Biteko, when he represented the Prime Minister, Hon. Kassim Majaliwa Majaliwa, at the official opening of the 22nd Engineers' Day celebrations for the year 2025.

Dr. Biteko emphasized that the Government relies heavily on engineers to drive national development through the execution of their professional duties. He further noted that over 90% of industrial innovations and advancements depend directly on engineering expertise.

*"On behalf of the Government, I would like to remind you that the nation depends on you greatly. We rely on you, we need you, and I assure you the Government will continue to rely on you as you carry out your responsibilities," said Dr. Biteko.*

He explained that engineers play a critical role globally in activities such as innovation and design, research and invention, project management, quality and safety assurance, as well as providing policy advice and system development. He urged engineers to reflect and translate societal expectations into tangible solutions. Dr. Biteko also called on the Engineers Registration Board (ERB) to support engineers by providing guidance and incentives for good performance, rather than focusing solely on disciplinary measures when mistakes occur. He stressed the importance of recognizing and motivating local engineers involved in strategic national projects, while also building their capacity to participate in future initiatives.

*The Minister for Works, Hon. Abdallah Ulega, reaffirmed the Government's commitment to strengthening the engineering profession by enabling further professional training and development. He commended the Government under the leadership of Her Excellency Dr. Samia Suluhu Hassan, President of the United*

*Republic of Tanzania, for continuing to implement major infrastructure projects such as the Standard Gauge Railway (SGR), which create opportunities for local engineers to participate fully.*

Speaking on behalf of the Dar es Salaam Regional Commissioner, Ubungu District Commissioner Hon. Albert Msando urged engineers to uphold professionalism and integrity in the execution of their duties.

ERB Board Chairperson, Eng. Menye Manga, highlighted that under the Tanzania Development Vision 2025, major projects such as the Kigongo–Busisi Bridge have successfully involved a significant number of local engineers compared to previous years.

*Meanwhile, ERB Acting Registrar, Advocate Mercy Jilala, stated that by 2025, the Board had registered more than 44,000 engineers and continues to work closely with stakeholders to increase registrations, particularly among women engineers.*

The event was attended by participants from Uganda, Kenya, Ethiopia, and India. A total of 4,448 participants took part in the celebrations, and 400 engineers were sworn in to the professional code of ethics.



Photo: Deputy Prime Minister and Minister for Energy, Hon. Dr. Doto Biteko, addressing engineers during the event.





## Minister Ulega Urges Disciplinary Action for Engineers Who Fail to Uphold Professional Integrity

Dar es Salaam,

September 26, 2025 – The Minister of Works, Abdallah Ulega, has urged the Engineers Registration Board (ERB) to take disciplinary measures and withhold assignments from engineers who do not perform their duties with integrity or fail to adhere to professional oaths and codes of conduct. Speaking at the closing of the 22nd Annual Engineers' Day in Tanzania, held under the theme "Engineers' Responsibility towards the National Development Vision 2050", Minister Ulega emphasized the importance of professionalism.

*"Engineers must take their oaths seriously because poorly executed projects damage the image of the profession, compromise safety, and, in some cases, lead to the loss of resources and public trust," he said.*

*Minister Ulega also commended ERB for establishing an awards program for students, recognizing their efforts and motivating them to pursue the engineering profession.*

*He encouraged the Board to expand the initiative and engage various stakeholders to support and sponsor the awards.*

Furthermore, he directed ERB to submit all recommendations from the event to the Ministry for implementation, aiming to achieve national development goals and boost economic growth.

This year's celebrations brought together over 4,000 engineers from within Tanzania and abroad, including participants from India, Ethiopia, Uganda, and Kenya, with approximately 400 engineers taking the professional oath of allegiance.

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## Young Engineers urged to Protect and Advance Innovations



The Director General of the Commission for Science and Technology (COSTECH), Dr. Amos Nungu, has stressed the importance of young engineers in Tanzania establishing companies to protect and advance their innovations.

Speaking during the opening ceremony while officiating the launch of the Youth Engineers Forum (YEF) in Dar es Salaam, Dr. Nungu said sustainable innovation will drive the growth of industries, create jobs, and stimulate the country's economic development.

He emphasized that the ultimate goal should be to empower young engineers to form companies and distinguish themselves within the engineering sector.

According to Dr. Nungu, many innovators face challenges in advancing their ideas because they lack registered companies to support and protect their work.

***“It is important for young engineers to establish their companies early so that they can safeguard and grow their innovations,”***  
said Dr. Nungu.

The Chairman of the Engineers Registration Board (ERB), Eng. Menye Manga (Adv.), noted that the program is designed to enable young engineers to start their own companies, employ their peers, and increase the participation of local engineers in national construction projects.

On her part, ERB Acting Registrar, Advocate Mercy Jilala, commended the participants for their enthusiasm and eagerness to learn, noting that this reflects a positive shift in the engineering sector.

“This passion is a clear sign of transformation in the profession. The new generation of engineers will bring real change in building the nation,” she said.

The forum has attracted more than 130 participants, including young engineers from various regions of Tanzania, private sector stakeholders, and government institutions. Participants will engage in technical discussions, workshops, and training sessions covering innovation, entrepreneurship, company management, emerging technologies, and engineering opportunities both locally and globally.



## Over 400 Engineers Take Oath during 22nd Annual Engineers

More than 400 engineers participated in the Engineers' Oath Ceremony on Thursday during the 22nd Annual Engineers Day (AED), held at the Mlimani City Complex in Dar es Salaam.

*A total of 421 engineers were formally sworn in as part of the requirements for professional practice, in accordance with the Engineers Registration (Professional Practice, Conduct, Oath and Ethics) Rules, 2014 [G.N. No. 278 of 2014].*

The oath session was officially administered by Advocate Agricola Magera.

The Engineers' Oath is a statutory requirement that binds newly registered engineers to uphold the highest standards of ethics, integrity,

and accountability in their practice.

By taking the oath, engineers pledge to protect the public interest, maintain professional conduct, and contribute responsibly to national development through engineering solutions.

Speaking during the ceremony, Acting Registrar, Advocate Mercy G. Jilala, stressed the importance of the oath-taking, describing it as a cornerstone of professional discipline and a foundation for public trust in the engineering profession.

*The Oath Ceremony was one of the major highlights of the Annual Engineers Day, which convenes engineers, policymakers, and stakeholders to reflect on the role of engineering in driving Tanzania's socio-economic transformation.*



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## ERB Showcases Engineering Excellence through Mikumi Excursion via SGR

The Engineering Registration Board (ERB) successfully coordinated a special excursion to Mikumi National Park on 28th September 2025, following the 22nd Annual Engineers Day (AED) celebrations held at the Mlimani City Complex, Dar es Salaam, from 25th to 26th September 2025.

*The excursion aimed at showcasing engineering achievements through Tanzania's Standard Gauge Railway (SGR) and promoting domestic tourism among professionals. Participants boarded the modern SGR train from Dar es Salaam to Morogoro in the morning and returned to the city later the same day.*

Speaking about the initiative, Assistant Registrar Finance and Administration (AR-FA) highlighted the importance of integrating engineering experiences with national development projects such as the SGR, which stands as a milestone in Tanzania's transport infrastructure.

"This excursion was not just a journey; it was an opportunity for engineers to witness firsthand the impact of engineering innovations on the country's economy and mobility, while also enjoying Tanzania's rich tourism attractions," an official from ERB noted.

Approximately 200 engineers from across the country took part in the excursion. After arriving in Morogoro, the team proceeded to Mikumi National Park, where they explored the park's wildlife and scenic landscapes before returning to Dar es Salaam via SGR.

*The excursion wrapped up the week of professional activities marking AED 2025, which brought together engineers, stakeholders, and policymakers to discuss challenges and opportunities in the sector.*

Through such initiatives, ERB continues to strengthen professional engagement, celebrate engineering contributions, and support the government's agenda of promoting domestic tourism and industrial growth.





## ERB Organizes Marathon to promote STEM subjects



The Engineering Registration Board (ERB) successfully organized the ERB Run for STEM on Saturday, 27th September 2025, at the University of Dar es Salaam (UDSM) Grounds. The run aimed at promoting the teaching and learning of science subjects in secondary schools across Tanzania.

*Held under the theme “run for science teachers, run for science laboratories, run for science books,” the event brought together engineers, students, government officials, and members of the public in a spirited show of support for science, technology, engineering, and mathematics (STEM) education.*

The Run was officiated by the Deputy Permanent Secretary of the President’s Office, Regional Administration and Local Government (PO-RALG), Eng. Rogatus Mativila, who commended ERB for its efforts in championing initiatives that encourage young learners to embrace science subjects.

In his address, the Deputy Permanent Secretary highlighted the crucial role of STEM in shaping Tanzania’s future, noting that strengthening science education is key to producing skilled professionals capable of driving industrial and technological advancement.

The ERB Acting Registrar, Adv. Mercy G. Jilala in her remarks, emphasized that the Run was not only a sporting event but also part of ERB’s broader campaign to nurture innovation, creativity, and problem-solving skills among the youth. He further encouraged teachers, parents, and policymakers to continue supporting initiatives that create a strong foundation in STEM for secondary school students.

*“The Board has sponsored about 20 volunteer science teachers in Kagera Region as part of its initial efforts to promote the teaching and learning of science subjects in the country,” said Adv. Jilala.*

Participants who took part in the Run expressed their interest for the cause, with many underscoring the importance of exposing young people to opportunities in science and engineering.

The ERB Run for STEM 2025 thus marked another milestone in the Board’s ongoing efforts to strengthen Tanzania’s education system and build a pipeline of future engineers, scientists, and innovators.







## Innovation Requires Courage and Collaboration, Youth Told at YEF 2025

Dar es Salaam – The Deputy Permanent Secretary in the Ministry of Works, Dr. Charles Msonde, has called on young people to embrace innovation and resilience, noting that the future of Artificial Intelligence (AI) and technological advancement lies in their hands.

Speaking at the closing ceremony of the Youth Engineering Forum (YEF) 2025, themed “Engineering the Future: Youth-Driven Innovative Solutions Transformation,” Dr. Msonde encouraged the youth to use their creativity as a driving force for national development. He reminded participants that Tanzania’s large youth population is a valuable resource, especially in the field of innovation.

“Tanzania has a substantial number of young people, and innovation relies on you,” he said. “When you encounter setbacks, do not give up. Success often comes after trials and challenges. If you fail once, stand up, try again, and keep pushing forward—your efforts are vital for the progress of our country.”

Dr. Msonde further stressed that innovation requires courage, perseverance, and collaboration, urging young innovators not to wait for others but to take the lead in creating and scaling up solutions.

On his part, Eng.(Adv) Menye Manga, Chairman of the Engineers Registration Board (ERB), reaffirmed the board’s commitment to supporting youth capacity-building.

He said ERB will continue to organize training programmes to equip young people with skills in self-employment, entrepreneurship, and community development.

He praised the forum as impactful, highlighting that it had created opportunities not only for participants but also for the broader community and the nation at large.

“This platform has empowered us and elevated us to a new level,” he said.





## Engineers Inspire Girls to Pursue STEM During CSR Week Ahead of 22nd Annual Engineers' Day 2025

As part of its professional development initiatives, the Engineers Registration Board (ERB) has this year organized a nationwide Engineers' Social Corporate Responsibility (CSR) Week ahead of the 22nd Annual Engineers' Day 2025.

*The main objective of the CSR week is to promote the STEM Support Program (SSP), aimed at encouraging young students to pursue science, technology, engineering, and mathematics (STEM) subjects.*

In Mwanza Region, a team of engineers visited several schools, including Mwanza Girls Secondary School, where their focus was to motivate female students to take STEM subjects.

Speaking to the media, Engineer Salama Magid from TARURA Municipal Council in Mwanza emphasized the importance of girls embracing science. She said, "We encourage girls to take science subjects to increase the number of women engineers in the future. Science offers many opportunities, including well-paying jobs."

Similarly, Engineer Evaline Shetui from TARURA highlighted the gender gap in STEM fields:

"The number of girls taking science subjects is still

low compared to boys. We are here to change the perception that science is difficult.

*As women engineers, we are proof that it's possible. They too can become excellent engineers."*

Students Leah Silvester and Joan Kadikilo from Mwanza Girls Secondary School expressed their excitement after the visit, stating that meeting women engineers had boosted their confidence and determination to work harder in science subjects.

"Their visit has motivated us to study science subjects more seriously, and we believe we can make it," they said.

In Shinyanga Region, at Shinyanga Girls Secondary School one of the 26 science schools built under the leadership of the President of the United Republic of Tanzania, Dr. Samia Suluhu Hassan engineers also inspired students to love and embrace science subjects.

*The Engineers' CSR Week was carried out in all mainland regions of Tanzania, in collaboration with various STEM stakeholders. The shared goal was to promote STEM education and inspire the next generation of engineers.*





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