

Issue 71, October – December 2025



Engineering

A publication of the Engineering Institution of Zambia

echo

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On the Cover

Where heavy lifting meets high-level thinking.

The Editorial Team

Editor Eng. Prof. John Siame

Sub -Editor Eng. Grain Munakaampe,
Ntalasha M. Yulu

Writers Cynthia C. Ngwengwe, Abigail
Hampande

Layout and Graphic Designer didasteez@gmail.com

The Engineering Echo

Stand No 2374, Kelvin Siwale Road,
Showgrounds, Lusaka, Zambia.

Tel +260 960 373849

email: pr@eiz.org.zm, membership@eiz.org.zm

Web www.eiz.org.zm

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Foreword from the Editor



Dear Readers,

This issue of the Engineering Echo newsletter presents essential updates and insights that emphasize the vital role of engineering in ensuring public safety, enhancing infrastructure, and promoting national development.

In this edition, we highlight the Institution's strong commitment to professionalism and compliance. This is demonstrated through collaborative enforcement exercises with regulatory partners aimed at addressing unsafe construction practices, thereby protecting both lives and property. Additionally, we showcase the Engineering Institution of Zambia's (EIZ) increasing involvement in national and regional policy discussions. Recent submissions to Parliament have covered topics such as infrastructure financing, the inclusion of local contractors, and the ratification of the North-South Corridor framework.

The newsletter also features stories on capacity building and professional advancement through strategic partnerships, initiatives aimed at developing renewable energy skills, and active branch activities occurring across the nation. Public forums, technical tours,

and branch launches continue to provide valuable opportunities for learning, collaboration, and leadership development.

Moreover, this issue underscores the human aspect of engineering through the Benevolent Fund, mentorship programs, and outreach activities for students, all of which work to foster unity within the profession.

The Engineering Echo newsletter remains dedicated to offering insightful content and promoting meaningful professional dialogue. We extend our sincere gratitude to the Sub-Editors and writers for their unwavering commitment and outstanding contributions.

We hope this edition motivates you to stay engaged and use engineering as a catalyst for positive change in Zambia.

Sending warm Christmas wishes to all our readers! May your holidays be filled with joy, and may the year 2026 bring you happiness and prosperity.

Enjoy your reading!

Eng. Prof. John Siame

Chairperson of the EIZ publications and Editorial Committee

The Editorial Team



Eng. Grain Munakaampe
Editor - Secretary of the
Publications and Editorial
Committee



Ntalasha Yulu
Sub-Editor and Writer
- Public
Relations and Marketing
Manager



Cynthia C. Ngwengwe
Writer -
Communications Officer



Abigail Hampande
Writer -
Communications
Assistant



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Message from the Registrar and Chief Executive Officer

Dear Readers,

As we close the fourth quarter, I wish to express my sincere appreciation to our members, stakeholders, and EIZ Secretariat for the commitment and collaboration, over the past year, which continue to drive the growth and impact of the Institution.



We have achieved several milestones that enhance our service and support to the profession. The upgrade of the Digital Membership Information System (DMIS) has improved efficiency, strengthened communication, and allowed members to make payments directly, with automated receipts accessible in their profiles. Additionally, the introduction of new membership numbers has simplified transactions and further streamlined service delivery.

We successfully launched the Engineering Fund to support innovation, start-ups, and affordable financing for engineering-led initiatives, reflecting our commitment to empowering professionals and promoting practical solutions for national development.

EIZ also strengthened its partnership with the Higher Education Authority through a Memorandum of Understanding to accredit engineering programmes at NQF levels seven and eight. Under this partnership, our Accreditation Committee will evaluate and approve programmes based on industry-driven training needs, before final HEA accreditation.

These initiatives, alongside our ongoing advocacy and stakeholder engagement, reaffirm EIZ's mandate to protect the public, uplift the profession, and contribute meaningfully to Zambia's sustainable development.

I thank you once again for your support and wish you and your families a joyful festive season and a prosperous New Year. I look forward to even greater collaboration and shared successes in the year ahead.

Have a great reading!

A handwritten signature in green ink that reads "Eng. David Kamungu". The signature is fluid and cursive.

EIZ Registrar and Chief Executive Officer

Public Relations Manager's Comment

Dear Readers,

The beginning of another new year is at its heart, an energy of newness and clean slates—another exciting chance to do things better, and with more attention to purpose.



Every edition of the Engineering Echo newsletter that we have produced in the past year, has demonstrated a step forward in our shared journey toward growth and impact. As this edition closes the year, we explore stories of resilience, innovation, and purpose—reminders that small actions can spark big change.

Our commitment as the Communications department to contributing to a more sustainable tomorrow is a key element in driving our Institution's actions and ambitions. On this journey, we navigate continuous change and new challenges, but our determination to progress along it, is consistently strong.

Our journey to a more visible and rebranded Institution continues, and in the coming year, our sustainability strategy and targets beyond 2026 will be a primary focus. We will address issues that we impact, and those that impact us, as the face of the Institution; building our image block by block, with the greatest fervency ever seen.

With strong collaborative teams and a highly dedicated Public Relations force, we are preparing for the road ahead, and keen to derive further learnings from the changes that inevitably lie ahead of us in this dynamic sector.

Wishing you an innovative and prosperous new year.

Have a great reading!

A handwritten signature in green ink that reads "Afolasha Yulu".

Public Relations Manager

EIZ urges government to allocate half road maintenance works to Zambian firms

... announces plans to submit an unsolicited Expression of Interest for the construction of a PPP toll road

EIZ has urged the government to allocate at least half of road maintenance works to Zambian-owned firms.

Speaking before the Parliamentary Committee on Transport, Works and Supply to discuss the 2026 National Budget under Head 54 for Public Infrastructure on 6th October 2025, EIZ said the government should prioritize completing projects that are over 80% constructed, reserve 20% of the infrastructure budget for maintenance, and allocate at least half of road maintenance works to Zambian-owned firms.

EIZ expressed concern that many road projects continue to face challenges of poor quality, delayed completion, and inadequate maintenance.

EIZ President Eng. Wesley Kaluba emphasized that quality, resilient, and inclusive infrastructure is the foundation for achieving the goals of the 8th National Development Plan, Vision 2030, and the Sustainable Development Goals.

He recommended creating an Infrastructure Development Bank to support local contractors with affordable financing and strengthening monitoring systems to ensure quality delivery and accountability.

EIZ also called for a dedicated research and development fund to promote innovation and sustainable construction technologies.



L-R: Eng. Wesley Kaluba and Eng. Kabwe Musonda.

Through its investment arm, the EIZ Investment Holdings (EIZ-IH) Plc, Eng Kaluba announced that the Institution plans to submit an unsolicited Expression of Interest (EOI) for the construction of a Public Private Partnership (PPP) toll road that will effectively serve to decongest Lusaka CBD through a bypass around 19 miles on the T2 road to Kafue town via

according to provisions of the PPP Act No 18 of 2023.

He stated that the EIZ-IH has since obtained a go ahead to submit a detailed proposal, including financial proposal of the said PPP road project.

He added that through this proposal, EIZ hopes the virtues of local content in public

infrastructure projects will become a practical and viable notion.

The EIZ President reaffirmed the Institution's readiness to partner with government, local authorities, and the private sector.



Members of the Parliamentary Committee during the submission.



EIZ Inspectors Emmanuel Chanda (C) and Alick Gondwe (R) during an inspection.

Contractors urged to follow safety and ethical standards

...as EIZ, ZIA & LCC launch joint enforcement exercise in Lusaka

Contractors and developers have been urged to strictly comply with building safety laws, uphold ethical standards, and engage only licensed professionals, as non-compliance continues to put lives and property at risk.

Joint inspections conducted in Lusaka have revealed a growing number of unsafe construction practices, prompting regulatory bodies to intensify enforcement activities.

In a coordinated operation, the Engineering Institution of Zambia (EIZ), the Zambia

Institute of Architects (ZIA), and the Lusaka City Council (LCC) launched a joint enforcement exercise targeting unsafe and non-compliant buildings across the city.

The inspections, conducted on 6th November 2025, covered both buildings under construction and those already operating to strengthen safety, professionalism, and adherence to the law.

Delivering a joint statement during a press briefing held at the EIZ Offices in Lusaka on 10th November, 2025, EIZ Vice President – Policy, Public Relations and National

Development, Eng. Kennedy Musonda, and ZIA President, Arc. Musunka Silungwe said the collaboration reflects a shared responsibility to protect the public and raise industry standards.

“When we act together, enforcement becomes stronger, public safety is enhanced, and developers are held accountable,” Eng. Musonda said.

Eng. Musonda said every building must meet safety standards before being opened to the public because cutting corners endangers lives and undermines public trust.

“Our goal is simple: to protect lives and ensure that only qualified and licensed professionals practice,” he said.

And ZIA President, Arc. Musunka Silungwe urged developers, contractors, and the public to verify practitioners’ licences, follow approved plans, and report unsafe construction practices.

He reaffirmed the two institutions’ commitment to continue joint inspections across Lusaka and other districts, to strengthen accountability, improve safety outcomes, and promote professionalism in Zambia’s construction sector.



Joint inspection team on site.

EIZ calls for ratification of the North-South Corridor memorandum

The Engineering Institution of Zambia (EIZ) Vice President – Policy, Public Relations and National Development, Eng. Kennedy Musonda, has urged the Parliamentary Committee on Transport, Works and Supply to support the ratification of the Southern African Development Community (SADC) draft Memorandum establishing the North-South Corridor Management Institution (NSC-MI).



Eng. Kennedy Musonda.

He said this when he appeared before the Committee on 22nd October 2025, accompanied by the EIZ Registrar and Chief Executive Officer, Eng. David Kamungu.

Eng. Musonda explained that the NSC-MI seeks to transform the North-South Corridor from a simple transit route into a smart economic corridor that coordinates transport, infrastructure, and trade across seven SADC member states, Botswana, DRC, Malawi, Mozambique, South Africa, Zambia, and Zimbabwe.

He noted that ratification would strengthen Zambia's position as a land-linked hub, improve trade efficiency, and create opportunities for Zambian engineering and construction firms in design, maintenance, and cross-border infrastructure projects.

"The corridor governance framework will harmonize border procedures, promote regional value chains, and build local capacity through technology transfer and skills development," he said.

He added that the initiative aligns with Zambia's regional and continental commitments under SADC, NEPAD, AfCFTA, and the AU's PIDA/PICI programmes.

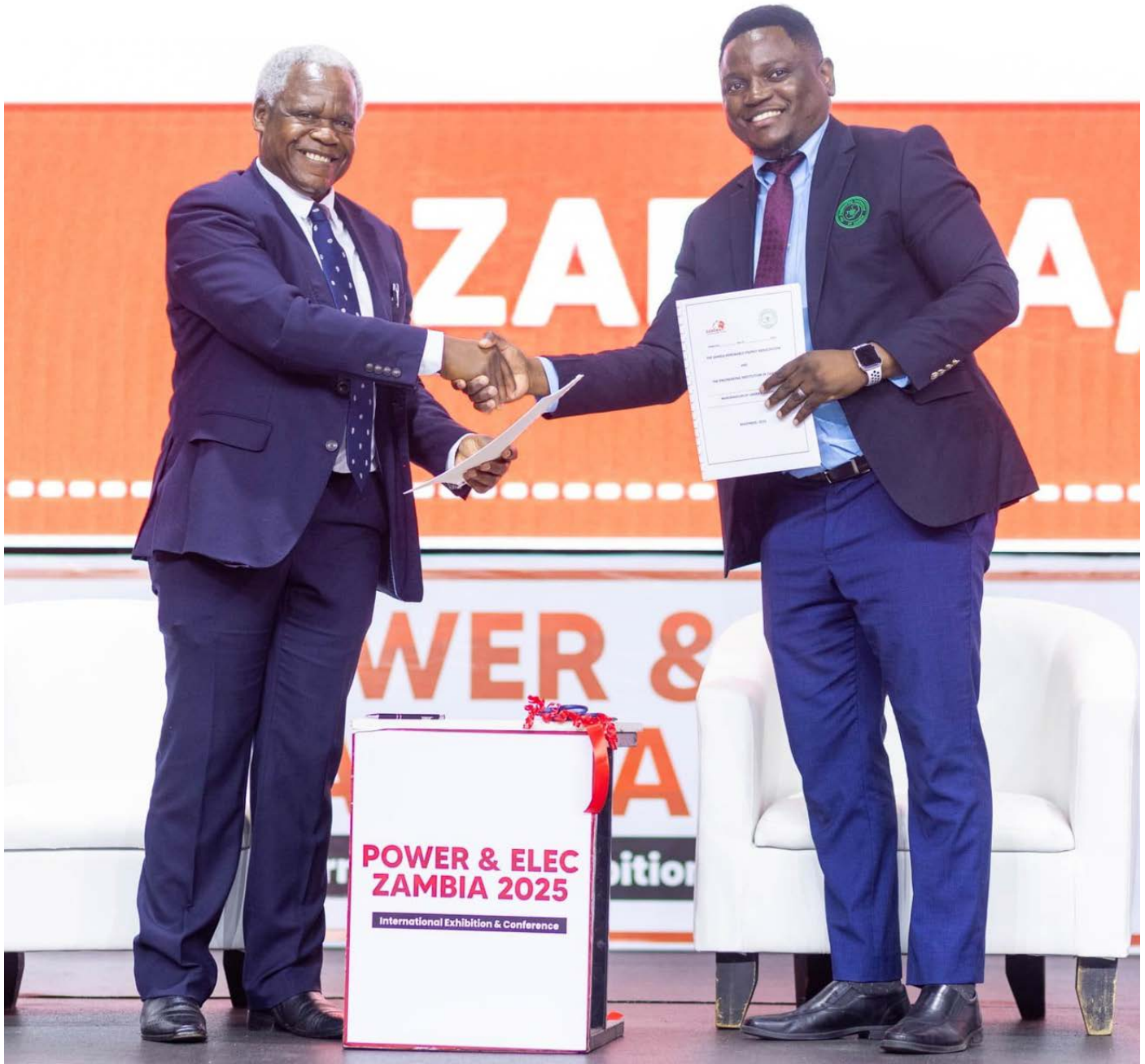
Eng. Musonda reaffirmed that the framework includes safeguards for national sovereignty, procurement integrity, and local content participation, ensuring Zambia maintains control over key public functions such as border security and customs.

EIZ's submission recommended that ratification be anchored on transparent procurement systems, measurable local-content obligations, and clear monitoring frameworks to ensure tangible economic and social outcomes.

If ratified, the NSC-MI is expected to drive industrialisation, improve transport efficiency, and create sustainable jobs, positioning Zambia as a vital player in regional economic integration and infrastructure development.

EIZ and ZARENA partner to boost renewable energy skills among engineering professionals

To enhance skills and improve technical competence in renewable energy systems, the Engineering Institution of Zambia (EIZ) signed a Memorandum of Understanding with the Zambia Renewable Energy Association (ZARENA).



Prof. Joseph Mutale and Eng. David Kamungu, after signing an MoU.

The partnership will provide engineering professionals with hands-on and theoretical training in system design, safety, and installation.

Under this agreement, the EIZ will ensure that all certification and Continuous Development (CPD) processes align with institutional standards and guidelines.

ZARENA, on the other hand, will focus on the delivery of capacity-building programmes.

The Memorandum of Understanding was signed by the EIZ Registrar and CEO, Eng.

David Kamungu, on behalf of the EIZ, during the Power and Elec Zambia 2025 International Exhibition and Conference held at Ciela Resort from 5th to 7th November 2025.

Engineering professionals in Mufulira discuss load shedding solutions and maintenance culture

Energy resilience, infrastructure sustainability, and professional collaboration were the focus in Mufulira as EIZ hosted an engaging Public Discussion Forum on 6th November 2025.



Eng. Kenneth Mukosha making a presentation

The event drew engineering professionals from various sectors for an insightful evening of dialogue and knowledge sharing.

The forum featured powerful presentations from Eng. Kenneth Mukosha, who unpacked strategies to mitigate load shedding and strengthen the national grid, while Eng. Mukuka Chalwe spoke on embedding maintenance as a culture for sustainable infrastructure and national prosperity.

EIZ President Eng. Wesley Kaluba graced the event and commended the Mufulira Branch Executive for their initiative, describing it as a reflection of leadership, unity, and a proactive mindset.

He highlighted Zambia's ongoing transformation in infrastructure, energy diversification, and industrial growth emphasizing that engineering professionals remain at the heart of this progress.

Eng. Kaluba also shared updates on key EIZ initiatives, including the Kalumbila Centre of Excellence, which will serve as a hub for advanced training and research, and the Engineering Fund, designed to support innovation, start-ups, and practical engineering solutions.

"When engineers come together to share knowledge and address challenges, the profession grows stronger and the nation benefits," he said.



Participants following the presentations.



L-R: Eng. Wesley Kaluba, Eng. Chansa Musonda, Eng. David Kamungu and Eng. Ian Chomba.

Siavonga professionals explore solar energy and EIZ benefits

Energy, innovation, and professional growth took centre stage in Siavonga as the Institution hosted another impactful Public Discussion Forum on 16th October 2025, drawing engineering professionals from various engineering firms for an evening of learning, engagement, and knowledge sharing.



Eng. Paul Soko making a presentation

The event was officiated by EIZ Vice President Eng. Edith Munungwe, who welcomed members and reaffirmed the Institution's commitment to decentralizing activities and reaching

engineering professionals around the country.

Eng. Paul Soko gave a presentation on "Commercial and Industrial Solar PV: A Solution to Powering Zambia's Industries," highlighting

how solar energy can drive sustainable industrial growth and reduce dependence on the national grid.

Meanwhile, EIZ Deputy Registrar, Eng. Kabwe Musonda spoke on Maximising the

EIZ Membership Benefits, encouraging members to take full advantage of opportunities such as scholarships, mentorship, insurance, and CPD programs.



Participants during the Forum.



Group photo after the Forum.

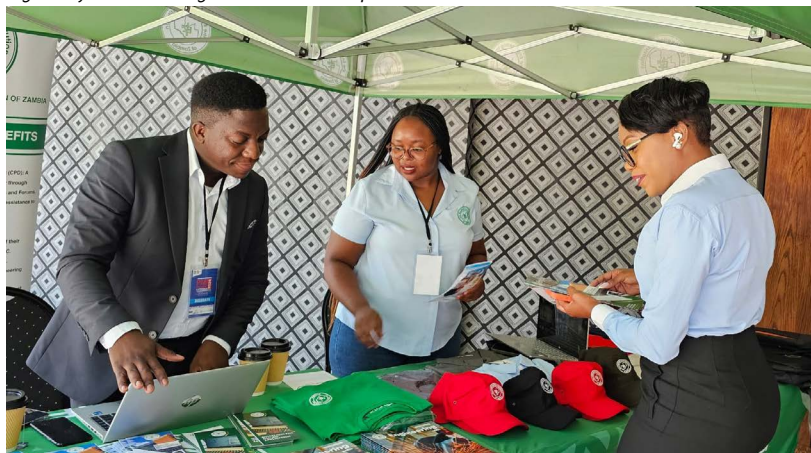
PHOTO FOCUS



L-R: Eng. William Mulusa, Eng. Kennedy Musonda, Arch. Musunka Silungwe, Arch. Mark Kamanga, and Eng. Malunga Nsofwa after a joint press briefing at the EIZ Offices.



Eng. Wesley Kaluba (C) during the ZARENA Mentorship Graduation.



EIZ exhibiting at the 2025 PMI Zambia Chapter Annual Conference, held at Ciela Resort.



Eng. Mukonge Malama (R) during a panel discussion at the WaterNet/WARFSA/GWP-SA Symposium.



Eng. Chimfwembe Mwelwa addressing participants during the Bayer Zambia Plant tour.

PHOTO FOCUS



Kalumbila Branch members after a Forum.



L-R: Eng. Dr. Chilala Bowa, Eng. Wesley Kaluba and Eng. Alex Mbumba.



Students during mobile registration at Mulungushi University.



Members at the Mufulira Forum.



Eng. David Kamungu (I) with Eng. Kennedy Musonda during a parliamentary submission



Eng. Kabwe Musonda and Inspector Emmanuel Chanda during an inspection.



The EIZ delegation poses for a photo with the AfDB Country Manager and his delegation.

EIZ meets AfDB

The Engineering Institution of Zambia (EIZ) held discussions with the African Development Bank (AfDB) on 9 December 2025, centred on strengthening collaboration to improve capacity building in the Engineering field, amongst other partnerships.

EIZ highlighted the Engineering Fund, created to support professional development and promote innovation among emerging engineering professionals.

The Institution also presented updates on the Centre of Excellence, envisioned as a hub for research, skills development, and increased participation of young engineering professionals and women.

AfDB Country Manager Mr. Raubil Olaniyi Durowoju reaffirmed the Bank's commitment to supporting technical capacity-building and noted that AfDB's priorities in private sector development, transport, energy, water,

and sanitation strongly align with the work of engineering professionals.

He encouraged EIZ to continue collaborating with relevant ministries and to sustain its advocacy for a stronger engineering sector in Zambia.

The EIZ delegation was led by the Engineering Registration Board (EngRB) Chairperson, Eng. Dr. Micheal Nsefu, and included Eng. Graham Chingambu; the EIZ Registrar and CEO, Eng. David Kamungu; the Deputy Registrar and Director of Operations, Eng. Kabwe Musonda; the Regional Manager–South, Eng. Chimfwembe Mutale; and the Public Relations Manager, Ms. Ntalasha Yuyu.



Eng. Dr. Michael Nsefu presents a gift to AfDB Country Manager Mr. Raubil Olaniyi Durowoju.

Over k64,000 granted to members

A total of K64,200 was disbursed in 2025 by the Engineering Institution of Zambia under its Benevolent Fund to support members facing various challenges; reaffirming the Institution's commitment to solidarity, compassion, and member welfare.

Among the beneficiaries is Eng. Cade Mweemba, who received financial assistance amounting to K26,200, comprising K20,000 in cash and a wheelchair valued at K6,200.

The handover ceremony was held at his residence in Kalulushi on 13th November 2025 and was officiated by EIZ Vice President MCPD, Eng Edith Munungwe and Board Member, Tech. Cleave Silavwe.

Speaking during the event, Eng. Munungwe emphasised that the Benevolent Fund exists to assist members in times of hardship and encouraged members from all parts of the country not to hesitate to apply when faced with challenges.

Tech. Silavwe thanked Eng. Mweemba for taking the step to apply for assistance and encouraged him to continue updating the Board on his recovery journey.

Eng. Munungwe further noted that the Fund was established to help minimise unforeseen hardships arising from illness, accidents, or other challenges, and reflects EIZ's commitment to fostering unity and compassion within the engineering fraternity.

Receiving the support, Eng. Mweemba expressed gratitude to the Benevolent Fund Board for the gesture and encouraged

members to believe in the Institution. He also urged EIZ to continue sensitising members on the Fund and its impact, while encouraging fellow members facing similar challenges to apply for assistance.

In a separate handover held at the EIZ Office in Lusaka on 11th November 2025, Eng. Stephen Nyirenda and Eng. Nathan Tembo also received financial assistance under the Benevolent Fund, amounting to K18,000 and K20,000, respectively.

Speaking during the ceremony, EIZ Registrar and Chief Executive Officer, Eng. David Kamungu reiterated that the Benevolent Fund is a welfare initiative designed to support registered members facing hardship.

He noted that the Institution has remained consistent in implementing the initiative over the years and described the Fund as a stepping stone to help members rebuild or sustain themselves during difficult circumstances.

Eng. Kamungu explained that the Benevolent Fund provides financial assistance to members affected by illness, accidents, or other unforeseen challenges and reflects EIZ's commitment to ensuring that members receive support



Eng. Tembo (L) receiving his cheque.



Tamara Nyirenda receiving a cheque on behalf of her father.



Eng. Mweemba receiving his cheque.

during life's most trying moments.

Receiving the assistance on behalf of her father, Tamara Nyirenda expressed heartfelt appreciation to the Institution, stating that the support would go a long way in meeting medical expenses and improving overall well-being, while Eng. Nathan Tembo, who is recovering from an accident,

thanked EIZ for the timely financial aid.

All beneficiaries encouraged fellow members facing similar challenges to apply for assistance through the Benevolent Fund, emphasizing that the initiative embodies the spirit of care, unity, and professional solidarity that defines the Engineering Institution of Zambia.



UPGRADE **OF PAYMENT METHODS**

As part of our ongoing digital transformation, we are making important changes to how you make your payments to ensure a faster, safer, and more efficient service experience.

Updated Payment Methods

- **New payment methods:** All subscriptions and renewals will now be processed exclusively through the DMIS payment channels.
- **USSD Discontinuation:** The USSD payment service will be discontinued on 31st December 2025.

We encourage all members to log into the EIZ DMIS portal immediately to avoid any inconveniences.

These changes support a new digital ecosystem designed to give you greater control and convenience. With the improved system, you can now enjoy:

Enhanced Member Self-Service

- **Instant Access to Documents:** Download and print your membership certificates and membership cards at your convenience.
- **Automatic Digital Receipts:** Receive payment receipts instantly, without needing to visit the finance office.
- **Updated EIZ Numbers:** All members have been assigned updated EIZ ID numbers for improved system efficiency.

Do not be left behind, log in to your member portal at www.eiz.org.zm to experience a more seamless service.



Chikankata branch launched

...Marking a new chapter in strengthening the district's position as an emerging energy hub.

Chikankata's engineering community successfully launched its new branch on the 14th of November 2025, with an interim executive ushered in to help steer the branch's activities and growth in the district.

Speaking at the event, the Engineering Institution (EIZ) President, Eng. Wesley Kaluba urged members to use the branch as a platform for innovation, professionalism, and collaboration. He called on them to actively participate in projects being implemented by EIZ, noting the growing national need for practical and sustainable engineering solutions.

Interim Chairperson Eng. Pule Caleb Mundende highlighted Chikankata's key role in Zambia's energy sector, home to the Kafue Gorge Upper and Lower power stations and several ongoing projects.

Eng. Mundende also delivered a presentation on "Enhancing Zambia's Solar Integration: Feasibility of Closed-Loop Pumped Hydro Energy Storage" and encouraged members to stay active and contribute to the branch's growth.

The launch marks a new chapter for engineering professionals in Chikankata and strengthens the district's position as an emerging energy hub.



Eng. Pule Mundende (c) receives instruments of authority from Eng. Wesley Kaluba.



Chikankata Interim Executive.



Members during the Chikankata Branch Forum.

Mentorship critical for energy sector growth – Eng. Kaluba

“I am a product of mentorship, it shaped my thinking, opened doors, and challenged me to grow beyond technical proficiency into leadership,” EIZ President, Eng. Wesley Kaluba says.



EIZ President Eng. Wesley Kaluba with a mentee at the ZARENA Graduation Ceremony.

Eng. Kaluba was speaking during the Zambia Renewable Energy Association (ZARENA) Mentorship Programme Cohort 2 Graduation Ceremony, held on 29 November 2025 under the theme “Empowering Minds: Advancing Renewable Energy in Zambia.”

He underscored the need for sustained mentorship pathways that not only transfer technical knowledge, but also inspire innovation, strengthen ethical leadership, and prepare young engineers to navigate the evolving demands of Zambia’s energy landscape.

Eng. Kaluba further urged the graduating cohort to apply their skills and insights to national development, emphasizing that they are “not just professionals, but agents of transformative change.”

And ZARENA Chairman Prof. Joseph Mutale reaffirmed the association’s commitment to cultivating a skilled and innovative renewable energy workforce.

“We have witnessed the nurturing of creative ideas, the exchange of knowledge, and the development of problem-solvers who will champion innovation within our energy sector,” he said.



Graduating mentees during the ZARENA Graduation Ceremony.

Prof. Mutale added that the mentorship initiative continues to play a pivotal role in strengthening collaboration between academia and industry, noting that it is

“directly contributing to building a competent and passionate human resource base that will support and drive clean energy initiatives across the country.”

Kabwe branch discusses water security amid climate change

Kabwe was the place to be as engineering professionals gathered to discuss critical issues affecting groundwater development, and the management of dams, weirs and surface water resources in the face of climate change.

Held on 21st November 2025, the Kabwe Forum brought together experts to explore practical engineering solutions that support sustainable development and climate resilience.

Engineering continues to stand at the heart of Zambia's economic and social transformation.

This was reaffirmed by EIZ President Eng Wesley Kaluba,

who called on all engineering professionals to remain committed to engineering excellence, ethical practice, and national impact.

He emphasised that EIZ will continue engaging Government, industry and communities to ensure that engineering remains central to national development, and that contributions of engineering professionals are recognised and valued.



Eng. Anthony Chabala.

Branch Chairperson Eng. Anthony Chabala underscored the importance of the two technical presentations delivered during the forum.

The first presentation examined groundwater development and the sustainable use of underground water resources under changing climate

conditions, highlighting the need for data-driven planning and responsible utilisation, while the second presentation focused on dams, weirs and surface water management, showcasing engineering solutions that enhance climate resilience and improve long-term water security for communities.

Strengthening STEM education through engineer representation

In a move aimed at strengthening STEM education and fostering innovation, the Engineering Institution of Zambia (EIZ) appeared before the Parliamentary Committee on Education on 10th November 2025 to present its position on the Teaching Profession Bill No. 14 of 2025.



L-R: Eng. David Kamungu, Eng. Kennedy Musonda and Mr. Rex Kalangu.

The Institution reaffirmed its support for the Bill and recommended the inclusion of a Professional Engineer on the Teaching Council of Zambia Board to enhance technological advancement and ensure

balanced representation in educational governance.

EIZ noted that engineering professionals bring valuable expertise in curriculum development, education infrastructure, and industry

linkages that contribute significantly to the advancement of the education sector.

This expertise helps to produce graduates who are not only academically sound but

also technically skilled and employable in key growth sectors that drive national development.



Over 500 students register for membership during orientation

Over 500 students have registered for membership at the just-ended 2025 Mulungushi University orientation programme on 3rd October 2025.

Hundreds turned up for the event, reflecting the growing interest in engineering professionalism.

Hosting this event was the Engineering Institution of

Zambia Membership team who inspired students by highlighting the benefits of being members and the vital role engineering professionals play at national level.

The Engineering Society and Chapter also shared their vision, encouraging students to engage actively in professional activities.

The orientation for second-year students was also conducted successfully, leaving them motivated, connected, and ready to embrace their engineering journey.

Kalumbila forum champions professional growth and leadership

Northern Region Chairperson Eng. Kennedy Kanyinji set the tone for the Kalumbila Forum held on 20th November 2025 by reminding participants of the value of belonging to an active and supportive professional community.



Group photo after the forum

Kabwe branch field visit to Bayer Zambia plant

Kabwe Branch undertook a highly enriching technical tour at Bayer Zambia Seed Processing Plant located in the Prospect Area of Kabwe on 12th December 2025. The tour brought together practising engineering professionals, young engineers, and scientists, all united by a shared curiosity to understand how engineering principles are applied in modern agricultural production systems.

The visit proved to be exceptionally educational and inspiring. Bayer Zambia guided the team through the entire seed processing and quality assurance workflow, demonstrating how engineering, automation, and science converge to ensure food security.

Participants were also taken through the seed reception process, where raw maize seed is first received and logged into a controlled system.

One of the most fascinating aspects of the tour was the automated seed sorting by weight, where advanced machines use calibrated gravity tables to separate seeds based on density.

The team was also impressed with the optical colour-sorting technology, which uses high-speed cameras and sensor-driven algorithms to instantly detect and reject discoloured, damaged, or diseased seeds.



Kabwe Branch members after the Bayer Zambia Plant visit.

These machines operate at remarkable speeds, applying real-time data processing and artificial intelligence principles, an excellent example of modern engineering applied to agriculture.

The team also observed the seed treatment and dosing systems, where seeds are accurately coated with protective

treatments using automated dosing equipment.

Such engagements reaffirm the importance of industry-institution collaboration, and EIZ Kabwe Branch looks forward to continued partnerships that inspire engineering professionals.

Eng. Kanyinji highlighted the importance of EIZ membership in strengthening ethical practice, enhancing professional growth and creating opportunities for collaboration among engineering professionals.

He further emphasised two key institutional initiatives, the Centre of Excellence and the Engineering Fund, which he said are designed to equip members with skills, innovation platforms and access to capital for engineering projects and start-ups.

Following his remarks, the forum proceeded with engaging and thought-provoking presentations that addressed

both the financial and leadership aspects of modern engineering practice.

Eng. Atkins Sitwala shared insights on financial management, focusing on how engineering professionals can navigate debt responsibly and work towards self-actualisation.

He stressed that financial discipline is essential for long-term stability and empowers engineering professionals to seize emerging opportunities and invest in their professional development.

Dr Josh Goveia then delivered a timely presentation on leading in an age of uncertainty, highlighting the human skills



Eng. Kennedy Kanyinji addressing the Forum.

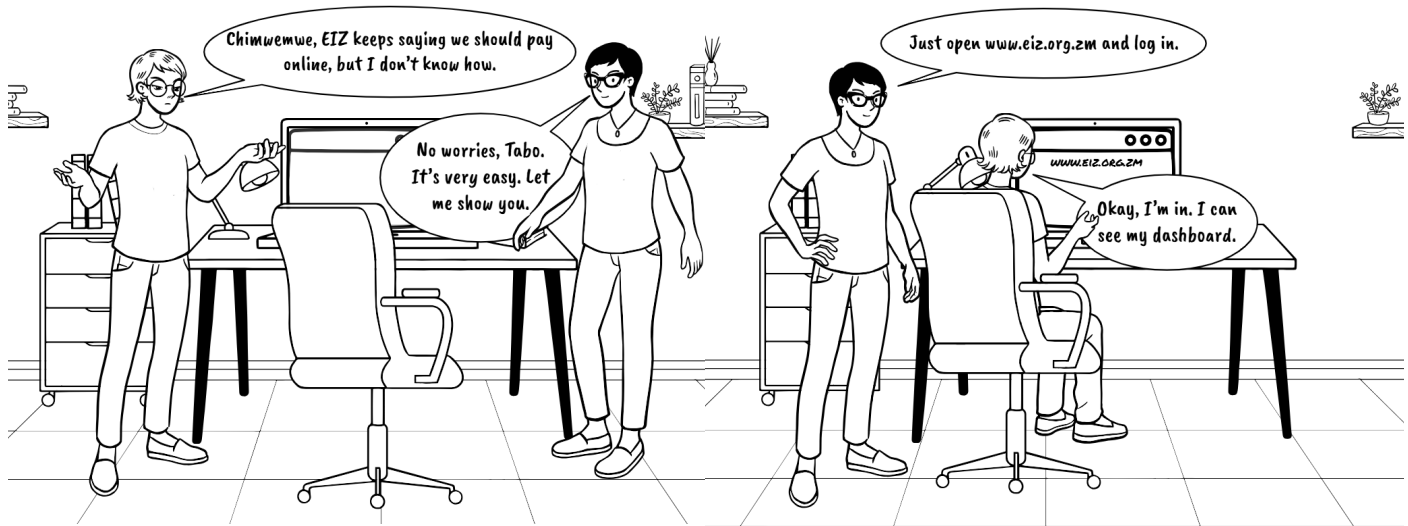
required for engineering professionals working in today's evolving mining environment.

He noted that while technical expertise remains important, attributes such as adaptability, emotional intelligence, communication and leadership are becoming increasingly

crucial in navigating industry challenges.

He then encouraged participants to embrace lifelong learning to remain relevant and effective in an era shaped by rapid technological change.

Making payments on the EIZDMIS Portal





PROCESS FOR MOBILE MONEY PAYMENT ON THE EIZDMIS PORTAL

Access the EIZDMIS using the following link: <https://www.eiz.org.zm/>

Step 1

- Enter your DMIS login credentials (Username & Password)
- With correct details entered, system automatically logs you into portal and will present a **DMIS Dashboard**.

Step 2

- Click **Pay Now** to initiate payment journey, or navigate to left panel
- Under **Payments** Tab, Click **Make Payment**.

Step 3

In the new window, select the invoices due by checking the box, then click **Next**.

Step 4

System displays a confirmation prompt, Click **Yes**

Note: This option gives you a final chance to review your information or cancel the action if needed.

Note: In the new screen, you will be presented with a **Dashboard** that displays customer details as well as available payment methods.

Step 5

- Select your preferred **Payment Method**, e.g. Mobile Money
- Click **Next**

Step 6

In the new screen, system will automatically generate a reference number

- In the Mobile Number field shown, enter your mobile number beginning with **260**
- Click **Next**

Step 7

System displays a **confirmation prompt**

- Click **Yes, proceed**

Note: Your Mobile money provider sends a request to your phone asking you to enter your **PIN**

Step 8

Enter the secret **PIN** to authorise the transaction

- If the **PIN** is correct, the payment is processed and confirmed.



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eiz@eiz.org.zm